The Boeing Company
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April 5, 2023
2023-MT-27

BY EMAIL

Julia Schwarz
Site Manager, Toxics Cleanup Program
Department of Ecology Northwest Regional Office
P.O. Box 330316
Shoreline, WA 98133

Subject: Final 3-322 Building Pavement Drainage Improvements and Soil Cleanup Report Submittal
North Boeing Field, Seattle Washington

Dear Ms. Schwarz:

Please find attached the Final 3-322 Building Pavement Drainage Improvements and Soil Cleanup Report for North Boeing Field.

Please call or email me if you have any questions or comments.

Sincerely,

Molly Taptich

Molly Taptich
Boeing NBF Project Coordinator
Global Environmental Sustainability I Remediation Group
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molly.h.taptich@boeing.com

Final 3-322 Building Pavement Drainage Improvements and Soil Cleanup Report North Boeing Field Seattle, Washington

April 4, 2023

Prepared for

The Boeing Company

LANDAU ASSOCIATES

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3-322 Building Pavement Drainage Improvements and Soil Cleanup Report North Boeing Field Seattle, Washington

This document was prepared by, or under the direct supervision of, the technical professionals noted below.

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Senior Staff Scientist

Document reviewed by: _____ Colette Gaona
Senior Associate

Date:	April 4, 2023
Project No.:	0025082.223.005
File path:	P:\025\082\.219 PCB Activities\FileRm\R\2022 3-322 Bldg Soil Sampling\PCB Cleanup Data Report\Lanadu NBF Final 3-322 Soil Cleanup Report_040423.docx
Project Coordinator:	LJL

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LIST OF ABBREVIATIONS AND ACRONYMS

ALS	ALS Environmental
Boeing	The Boeing Company
CFR	Code of Federal Regulations
COC	chain of custody
Ecology	Washington State Department of Ecology
EPA	US Environmental Protection Agency
ft	feet, foot
ID	identification
Landau	Landau Associates, Inc.
mg/kg	milligrams per kilogram
NBF	North Boeing Field
PCB	polychlorinated biphenyl
PPE	personal protective equipment
QA/QC	quality assurance/quality control
RBDA	risk-based disposal approval
TSCA	Toxics Substances Control Act

1.0 INTRODUCTION

This report documents polychlorinated biphenyl (PCB) cleanup activities conducted by The Boeing Company (Boeing) at North Boeing Field (NBF; site) in Seattle, Washington (Figure 1). This project completion report was prepared by Landau Associates, Inc. (Landau) on behalf of Boeing. In July 2022, Boeing completed a pavement drainage improvement project near the 3-322 Building in an area where soils containing PCBs had previously been removed. This cleanup report documents soil that was removed and verification sampling that was performed during the drainage improvement project.

1.1 Regulatory Framework and Approvals

The 3-322 Building pavement drainage improvement project was completed as an independent action as approved by the Washington State Department of Ecology (Ecology). Prior PCB cleanup activities in the vicinity of the 3-322 Building were conducted in 2010 in accordance with the US Environmental Protection Agency (EPA) Toxics Substances Control Act (TSCA) and a risk-based disposal approval (RBDA; EPA 2010). The soil removal and verification sampling was performed in accordance with the May 17, 2022 Work Plan and the subsequent June 15, 2022 Notice of Change to the 2010 RBDA (Landau 2022a, b), which was approved by EPA in the letter dated July 15, 2022 (EPA 2022).

1.2 Background

Surface and subsurface soil cleanup activities were performed in the vicinity of Building 3-322 in 2010 to remove and dispose of accessible material with PCB concentrations greater than 0.5 milligrams per kilogram (mg/kg; Landau 2010). Previous excavation areas and the drainage improvement (soil removal) area are shown on Figure 2.

To improve drainage and prevent ponding on the asphalt, Boeing planned to remove asphalt and shallow soil in the low-lying area adjacent to the 3-322 Building, install a new storm drain structure and storm drain line to connect to the current NBF stormwater drainage system, and repave the asphalt in the low-lying area to improve stormwater drainage. During construction, Boeing's contractor, Merlino, determined that a new storm drain structure and storm drain line could not be installed due to conflicts with subsurface utilities in the area. As a result, the storm drain system was not updated as part of this project. Drainage improvements consisted of soil removal and repaving only.

2.0 REMOVAL AND DISPOSAL ACTIVITIES

Removal and disposal of asphalt and soil was conducted in accordance with the work plan and Notice of Change (Landau 2022a, b). Removal and disposal were conducted in a manner that minimized the release of PCBs to the environment and allowed for proper disposal of the material as discussed below. The removal and disposal were conducted by Boeing's contractor, Merlino. Asphalt and soil were removed using an excavator.

2.1 Waste Management

All solid waste was shipped in Washington State Department of Transportation-compliant containers and disposed of in a Subtitle C landfill (a chemical waste landfill permitted under 40 Code of Federal Regulations [CFR] § 761.75 to accept TSCA-regulated waste). Approximately 150 US tons of solid waste was shipped from NBF to the Subtitle C landfill, which is consistent with field observations and waste manifests maintained by Boeing for this cleanup. Waste manifests are provided in Appendix A. Solid waste that was disposed of includes asphalt, soil, disposable personal protective equipment (PPE), and disposaable sampling equipment.

2.2 Decontamination

Non-disposable and nonporous equipment, such as the excavator bucket that came into contact with PCB-contaminated material, was decontaminated by the construction contractor after the cleanup activities were completed. Decontamination was performed using a CAPSUR PCB extraction solvent wash in accordance with the decontamination procedures required under 40 CFR § 761.79. Only parts of the equipment that were in contact with PCB-containing materials were decontaminated.

Workers who entered the excavation donned PPE including full Tyvek suits, nitrile gloves, and Tyvek booties. PPE was disposed of at the end of each workday in a lined supersack. The supersack was disposed of as described above in Section 2.1.

3.0 VERIFICATION SAMPLING AND PCB RESULTS

Verification soil samples conformed to 40 CFR § 761.61(a)(6) and were collected from the area required to be excavated for the pavement improvement project. Cleanup was considered complete when verification sampling yielded total PCB results less than or equal to the target cleanup level of 0.5 mg/kg. Where confirmation sampling yielded concentrations greater than 0.5 mg/kg, additional excavation and removal of soil was initiated, and additional verification samples were collected. Excavation activities, as demonstrated by the verification sample results (Table 1), were successful in achieving the target cleanup level throughout the excavation area.

Verification sampling was conducted by Landau according to a 1.5-meter grid overlay system, as defined in 40 CFR § 761.280(b)(2). The final grid overlay is shown on Figure 2. A sample was collected from each grid intersection in the area of soil excavation. Soil samples were collected using a clean, stainless-steel spoon and placed into a labeled 8-ounce sample jar and stored on ice.

Initial excavation activities performed by the contractor required removal of approximately 1 foot (ft) of soil throughout the excavation area. During the first round of verification sampling, a total of 61 soil samples were collected from grid intersections, along with four field duplicates. Of those samples collected, total PCBs exceeded 0.5 mg/kg at nine grid intersection locations. Additional excavation was initiated in each of these areas: an additional 2 ft of soil was removed from the areas shown on Figure 2 and verification sampling was repeated. During the second round of verification sampling, a total of nine soil samples were collected, along with one field duplicate. All total PCB results were below the cleanup level of 0.5 mg/kg; no further excavation was initiated.

3.1 Chemical Analyses

Confirmation samples were transported to the contracted analytical laboratory,[1] ALS Environmental (ALS), in Everett, Washington. All samples were analyzed for PCB Aroclors by EPA Method 8082 in accordance with 40 CFR § 761.272. Samples were submitted to the analytical laboratory on an expedited turnaround request to accommodate the project schedule for evaluating PCB results and initiating additional excavation as needed. Laboratory data reports are included in Appendix B.

3.2 Sample Labeling, Shipping, and Chain of Custody

Each soil sample was assigned a unique alphanumeric identification (ID) that included the project area (3-322-C), the grid location, and the depth interval the sample was collected from. For example, the soil sample collected from grid intersection H02 from 0.9–1.0 ft was labeled "3-322-CH02(0.9-1.0)." Field duplicate samples for quality assurance/quality control (QA/QC) were collected at a rate of one per every 20 samples. Field duplicates were identified sequentially as "DUP-1," "DUP-2," etc.

[1] The work plan indicated samples would be transported to Analytical Resources, LLC in Tukwila, Washington. However, due to project schedule and turnaround time requirements, samples were sent to ALS to accommodate project needs.

Sample container labels were completed immediately preceding sample collection. Container labels and chain-of-custody (COC) forms included the project name (Boeing NBF); the Landau project manager's name (Colette Gaona); the Landau project number (025082.222.005); the sample ID, the initials of the person who collected the sample, the date and time of collection, and the analysis required. Samples were placed on ice in a sealed cooler immediately after collection and delivered to the contracted analytical laboratory by Landau. All samples submitted for analysis were accompanied by a COC form.

3.3 Recordkeeping

A complete record of significant field activities was maintained. Recordkeeping conformed to 40 CFR § 761.61(a)(9) and 40 CFR § 761.61(c)(5) requirements. Documentation included field reports, field sampling forms, photographs, sample labels, and COC forms. Sample possession and handling was documented on the COCs so that the sample is traceable from the time of sample collection, handoff to the analytical laboratory, and through data analysis.

4.0 USE OF THIS REPORT

This report has been prepared for the exclusive use of Boeing and applicable regulatory agencies for specific application to the NBF site. No other party is entitled to rely on the information, conclusions, and recommendations included in this document without the express written consent of Landau. Further, the reuse of information, conclusions, and recommendations provided herein for extensions of the project or for any other project, without review and authorization by Landau, shall be at the user's sole risk. Landau warrants that within the limitations of scope, schedule, and budget, our services have been provided in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions as this project. Landau makes no other warranty, either express or implied.

5.0 REFERENCES

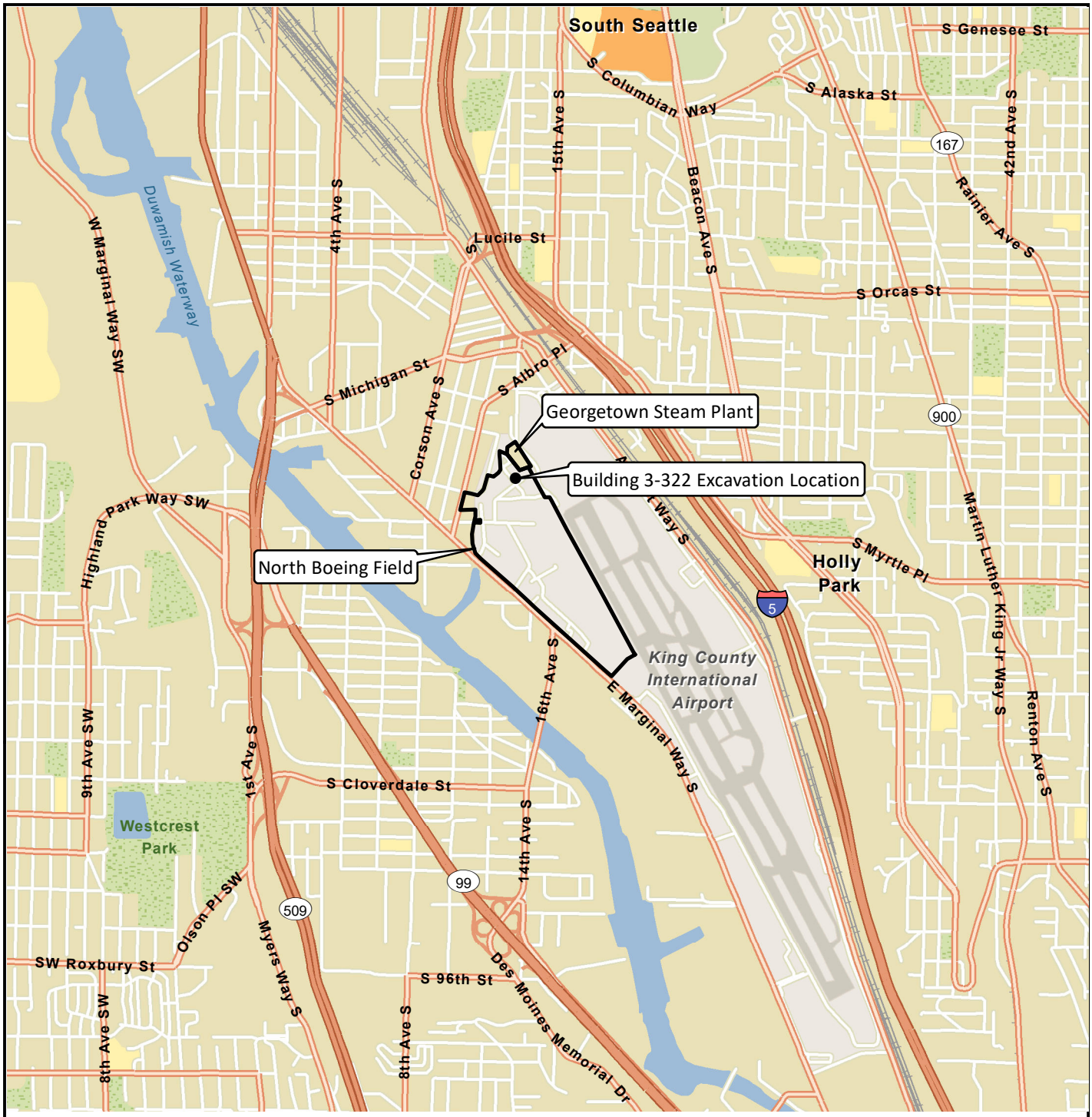
EPA. 2010. Letter: Approval of Risk-Based Method for Cleanup of PCB Remediation Waste Work Plan for Area of Building 3-322, North Boeing Field, January 15, 2010. From Edward J. Kowalksi, Director, Office of Compliance and Enforcement, US Environmental Protection Agency, to Steven Tochko, Manager, Environmental Remediation, Environment, Health and Safety, The Boeing Company. March 8.

EPA. 2022. Letter: Approval of Notice of Change to Risk-Based Method for Cleanup of PCB Remediation Waste, North Boeing Field, Area of Building 3-322, Seattle, Washington WAD980982037. From Timothy Hamlin, Director, US Environmental Protection Agency, to Joe Flaherty, The Boeing Company; Colette Gaona, Landau Associates, Inc. July 15.

Landau. 2010. Report: Storm Drain Structure and Surface Cleanup, North Boeing Field, Seattle, Washington. Landau Associates, Inc. June 18.

Landau. 2022a. Technical Memorandum: 3-322 Building Pavement Drainage Improvement and Storm Drainage Upgrade, North Boeing Field, Seattle, Washington. Landau Associates, Inc. May 17.

Landau. 2022b. Letter: Notice of Change to Risk-Based Method for Cleanup of PCB Remediation Waste, North Boeing Field, Area of Building 3-322, Seattle, Washington. From Colette Gaona, Landau Associates, Inc., to Michelle Mullin, US Environmental Protection Agency. June 15.



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North Boeing Field Seattle, Washington	**Vicinity Map**	Figure 1

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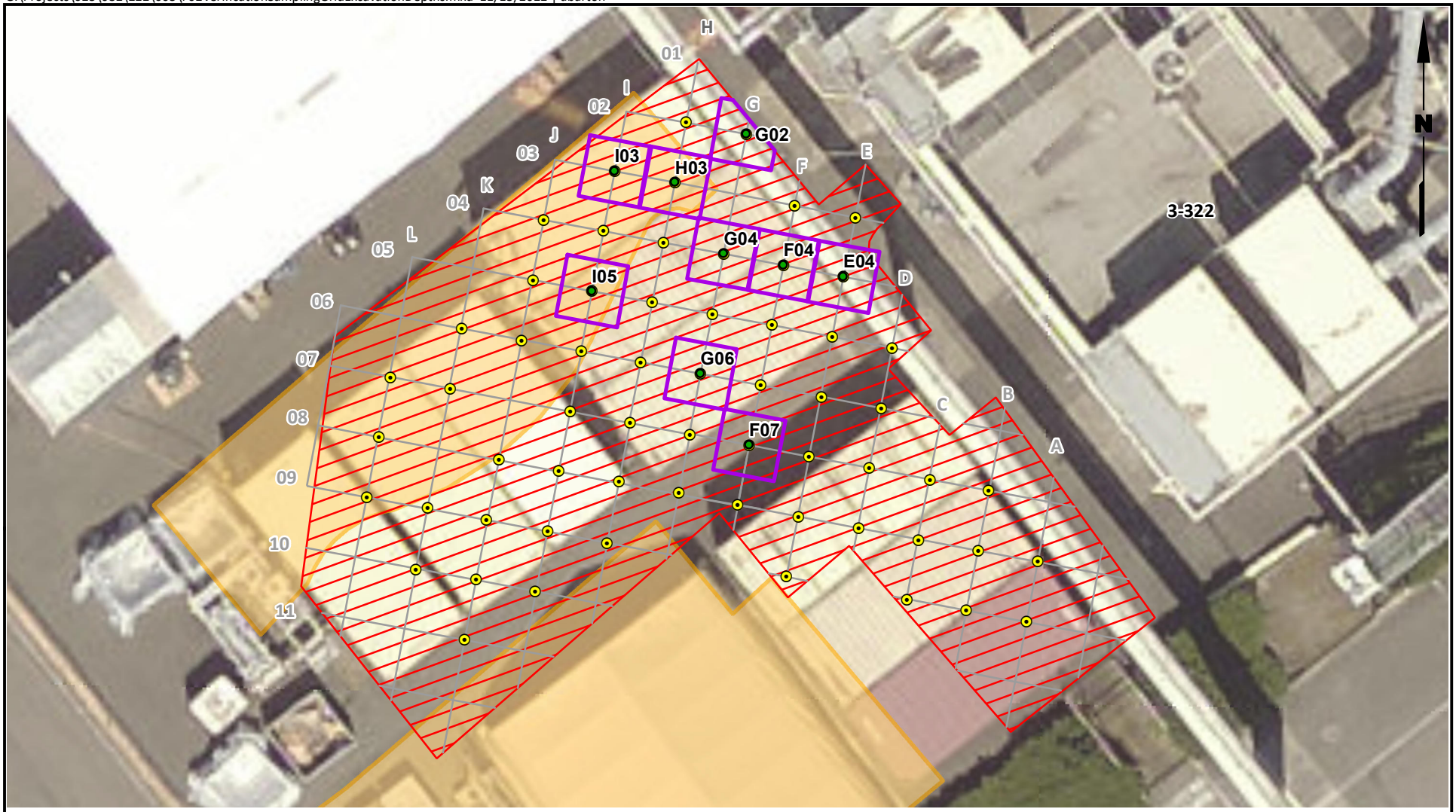

Legend

- Sampling Grid
- Verification Sample (Depth 0.9-1.0 ft Remaining in Place)
- Verification Sample (Depth 2.9-3.0 ft Remaining in Place)
- Over-excavation Area (3.0 ft Final Depth)
- Excavation Area (1.0 ft Final Depth)
- Previous Excavation Area

Notes

1. Total PCB results for all soil samples remaining in place are below 0.5 mg/kg.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

0 10 20

Scale in Feet

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North Boeing Field
Seattle, Washington

Verification Sampling Grid and Excavation Depths

Figure 2

Table 1
Soil Analytical Results
Building 3-322 Soil Investigation
North Boeing Field

Grid Sample Location	Sample Depth (ft bgs)	Sample Date	Sample Type	Excavation Status	PCBs by SW-846 8082A (mg/kg)									
					Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
3-322-CA08	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CA09	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CB07	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CB08	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CB09	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CC07	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CC07	0.9 - 1.0	07/08/2022	FD		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.052 UJ	0.10 UJ	0.10 UJ
3-322-CC08	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CC09	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CD05	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CD06	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CD07	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CD08	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CE03	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.13 J**	0.10 UJ	**0.13 J**
3-322-CE04	0.9 - 1.0	07/08/2022	N	Removed	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.60 J**	NR	**0.43 J**	**1.03 J**
	2.9-3.0	07/27/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.052 UJ	0.10 UJ	0.10 UJ
3-322-CE05	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CE06	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.11 J**	**0.33 J**	0.10 UJ	**0.44 J**
3-322-CE07	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.18 J**	**0.28 J**	0.10 UJ	**0.46 J**
3-322-CE08	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CE09	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CF03	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.15 J**	0.10 UJ	**0.15 J**
3-322-CF04	0.9 - 1.0	07/08/2022	N	Removed	0.54 UJ	0.54 UJ	0.54 UJ	0.54 UJ	0.54 UJ	**0.68 J**	**0.98 J**	**2.3 J**	0.54 UJ	**3.96 J**
	2.9-3.0	07/27/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.052 UJ	0.10 UJ	0.10 UJ
3-322-CF05	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.24 J**	0.10 UJ	**0.24 J**
3-322-CF06	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.052 UJ	0.10 UJ	0.10 UJ
3-322-CF07	0.9 - 1.0	07/08/2022	N	Removed	0.52 UJ	0.52 UJ	0.52 UJ	0.52 UJ	0.52 UJ	**2.5 J**	**1.5 J**	**0.84 J**	0.52 UJ	**4.84 J**
	2.9-3.0	07/27/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.052 UJ	0.10 UJ	0.10 UJ
3-322-CF08	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CG02	0.9 - 1.0	07/08/2022	N	Removed	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	**9.1 J**	1.1 UJ	**9.1 J**
	2.9-3.0	07/27/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.052 UJ	0.10 UJ	0.10 UJ
	2.9-3.0	07/27/2022	FD		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.052 UJ	0.10 UJ	0.10 UJ
3-322-CG04	0.9 - 1.0	07/08/2022	N	Removed	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.27 J**	**1.2 J**	0.10 UJ	**1.47 J**
	2.9-3.0	07/27/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.052 UJ	0.10 UJ	0.10 UJ
3-322-CG05	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.17 J**	0.10 UJ	**0.17 J**
3-322-CG06	0.9 - 1.0	07/08/2022	N	Removed	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.17 J**	**0.61 J**	0.10 UJ	**0.78 J**
	2.9-3.0	07/28/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.052 UJ	0.10 UJ	0.10 UJ
3-322-CG07	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.052 UJ	0.10 UJ	0.10 UJ

Table 1
Soil Analytical Results
Building 3-322 Soil Investigation
North Boeing Field

Grid Sample Location	Sample Depth (ft bgs)	Sample Date	Sample Type	Excavation Status	PCBs by SW-846 8082A (mg/kg)									
					Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
3-322-CG08	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.052 UJ	0.10 UJ	0.10 UJ
3-322-CH02	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.27 J**	0.10 UJ	**0.27 J**
3-322-CH03	0.9 - 1.0	07/08/2022	N	Removed	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**1.5 J**	**0.65 J**	**0.47 J**	0.10 UJ	**2.62 J**
	2.9-3.0	07/27/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.12 J**	**0.12 J**	0.052 UJ	0.10 UJ	**0.24 J**
3-322-CH04	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.16 J**	0.10 UJ	0.053 UJ	0.10 UJ	**0.16 J**
3-322-CH05	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.11 J**	**0.29 J**	0.10 UJ	**0.40 J**
3-322-CH06	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.12 J**	0.10 UJ	**0.12 J**
3-322-CH06	0.9 - 1.0	07/08/2022	FD		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.067 J**	0.10 UJ	**0.067 J**
3-322-CH07	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.053 UJ	0.10 UJ	0.10 UJ
3-322-CH08	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.052 UJ	0.10 UJ	0.10 UJ
3-322-CH09	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CI03	0.9 - 1.0	07/08/2022	N	Removed	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.31 J**	**0.29 J**	0.10 UJ	**0.60 J**
	2.9-3.0	07/27/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.07 J**	0.10 UJ	**0.07 J**
3-322-CI04	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.15 J**	0.10 UJ	**0.15 J**
3-322-CI05	0.9 - 1.0	07/08/2022	N	Removed	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.67 J**	**0.45 J**	**0.36 J**	0.10 UJ	**1.48 J**
	2.9-3.0	07/28/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.052 UJ	0.10 UJ	0.10 UJ
3-322-CI06	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.082 J**	0.10 UJ	**0.082 J**
3-322-CI07	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.098 J**	0.10 UJ	**0.098 J**
3-322-CI08	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.052 UJ	0.10 UJ	0.10 UJ
3-322-CI09	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CI10	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CI10	0.9 - 1.0	07/08/2022	FD		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.22 J**	0.10 UJ	0.052 UJ	0.10 UJ	**0.22 J**
3-322-CJ04	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.24 J**	NR	**0.17 J**	**0.41 J**
3-322-CJ05	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.13 J**	NR	0.10 UJ	**0.13 J**
3-322-CJ06	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CJ08	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CJ09	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CJ10	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CJ11	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.052 UJ	0.10 UJ	0.10 UJ
3-322-CK06	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.17 J**	NR	**0.12 J**	**0.29 J**
3-322-CK07	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CK09	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.28 J**	NR	**0.21 J**	**0.49 J**
3-322-CK10	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NR	0.10 UJ	0.10 UJ
3-322-CK10	0.9 - 1.0	07/08/2022	FD		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.052 UJ	0.10 UJ	0.10 UJ
3-322-CL07	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.052 UJ	0.10 UJ	0.10 UJ

Table 1
Soil Analytical Results
Building 3-322 Soil Investigation
North Boeing Field

Grid Sample Location	Sample Depth (ft bgs)	Sample Date	Sample Type	Excavation Status	PCBs by SW-846 8082A (mg/kg)									
					Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
3-322-CL08	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.052 UJ	0.10 UJ	0.10 UJ
3-322-CL09	0.9 - 1.0	07/08/2022	N		0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	**0.14 J**	**0.12 J**	0.052 UJ	0.10 UJ	**0.26 J**

Notes:

Bold text indicates detected analyte

Green shading indicates detected analyte exceeds target cleanup level of 0.5 mg/kg applied to total PCBs.

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Abbreviations and Acronyms

bgs = below ground surface

FD = field duplicate

ft = feet

mg/kg = milligrams per kilogram

N = primary sample

NR = not reported by lab. Aroclor 1262 was not present in initial laboratory screening.

PCBs = polychlorinated biphenyls

APPENDIX A

Waste Manifests

AG1856 ERI Provider: AG1856

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	WAD980982037	1	800-424-9300	000444156 DAT

GENERATOR

5. Generator's Name and Mailing Address
BOEING CO (NORTH FIELD)
PO BOX 3707 (MC 9U4-20)
SEATTLE WA 98124
Generator's Phone: (206)544-2000

Generator's Site Address (if different than mailing address)
BOEING CO (NORTH FIELD)
7580 E MARGINAL WAY S
SEATTLE WA 98108-0000

6. Transporter 1 Company Name: CLEAN EARTH SPECIALTY WASTE SOLUTIONS — U.S. EPA ID Number: MNS000110924

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
US ECOLOGY IDAHO, INC. SITE B
20400 Lemley Road
GRAND VIEW, ID 83624 (208) 834-2275
U.S. EPA ID Number: IDD073114654

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432 POLYCHLORINATED BIPHENYLS, SOLID 9 PGII	1	CM	12000	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
(1) 59376-00 - ERG(171) (USE-IDAHO) BOEING PUNIQUE ID: ROLLOFF1 OOS DATE: 7/12/2022

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: DARRIN ALLEN — Signature — Month 7 Day 25 Year 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: ____
Transporter signature (for exports only): Date leaving U.S.: ____

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MICHAEL BEYER — Signature — Month 7 Day 25 Year 22

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Sec. 11 states 12000 K Actual Received 16147.88 K per Paul D Vont via email 7-26-22
Generator date updated to 7/25/22 per Candi Nakatani via email
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
~~H141~~ H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Crystal McCammon — Signature — Month 7 Day 26 Year 22

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

PO # 10064544

A61857 CBI Provider: A61857

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: WAD980982037
2. Page 1 of: 1
3. Emergency Response Phone: 800-424-9300
4. Manifest Tracking Number: 000444157 DAT

5. Generator's Name and Mailing Address:
BOEING CO (NORTH FIELD)
PO BOX 3707 (MC 9U4-20)
SEATTLE WA 98124

Generator's Phone: (206)544-2590

Generator's Site Address (if different than mailing address):
BOEING CO (NORTH FIELD)
7500 E MARGINAL WAY S
SEATTLE WA 98108-0000

6. Transporter 1 Company Name: CLEAN EARTH SPECIALTY WASTE SOLUTIONS — U.S. EPA ID Number: MNS000110924

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
US ECOLOGY IDAHO, INC. SITE B
20400 Lemley Road
GRAND VIEW, ID 83624 (208) 834-2275

Facility's Phone:

U.S. EPA ID Number: IDD073114654

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432 POLYCHLORINATED BIPHENYLS, SOLID 9 PGII	1	CM	12000	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information:
(1) 5-876-00 - ERG(171) (USE-IDAHO) BOEING PUNIQUE ID: ROLLOFF2 005 DATE: 7/12/2022

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: DARRIN Klein — Signature: [signature] — Month 7 Day 27 Year 22

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: MICHAEL BEYER — Signature: [signature] — Month 7 Day 27 Year 22
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Sec 14-1 ppm Levels 7500 ppm per Laura Swick - via email 7.28.22 CO
Sec 11 Actual Received 9980.10K ~~[illegible]~~ ok per Laura Swick via email 7.28.22 CO
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Crystal McCammon — Signature: [signature] — Month 7 Day 28 Year 22

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

A61858 ERI Provider A61858

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: WAD[illegible]
2. Page 1 of 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: 024062854 JJK

5. Generator's Name and Mailing Address
Boeing [illegible] (North Field)
PO Box [illegible] (MC[illegible]-20)
Seattle, WA 98124

Generator's Site Address (if different than mailing address)
Boeing [illegible] (North Field)
[illegible] E Marginal Way S
Seattle, WA [illegible]

Generator's Phone: (206) 544-[illegible]

6. Transporter 1 Company Name: [illegible] Environmental Services, Inc — U.S. EPA ID Number: CAT[illegible]247

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
US Ecology Idaho Inc Site B
20400 Lemley Road
Grand View, ID 83624

U.S. EPA ID Number: IDD[illegible]

Facility's Phone: (208) 834-2275

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432 Polychlorinated Byphenyls, SOLID 9 PGII	1	CM	~~10000~~ 8,500 TD	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
[illegible] BOEING FUNIQUE ID. ROLLOFFS 005 DATE 07/12/2022

Bin # 2516

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Paul Yount — Signature: [signature] — Month 08 Day 10 Year 22

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Thomas DeSuler — Signature: [signature] — Month 08 Day 10 Year 22
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Crystal McCammon — Signature: [signature] — Month 8 Day 11 Year 22

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

AG 1859   ERI Provider

Please print or type.   Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: WAD980982037
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: **024062855 JJK**

5. Generator's Name and Mailing Address:
Boeing Co (North Field)
PO Box 3707 (MC 9U4-26)
Seattle, WA 98124

Generator's Site Address (if different than mailing address):
Boeing Co (North Field)
7500 E Marginal Way S
Seattle, WA 98108-4002

Generator's Phone: (206) 544-2000

6. Transporter 1 Company Name: MP Environmental Services, Inc — U.S. EPA ID Number: CAT080024241

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
US Ecology Idaho Inc Site B
20400 Lemley Road
Grand View, ID 83624
Facility's Phone: (208) 834-2275
U.S. EPA ID Number: IDD073114654

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432 Polychlorinated Byphenyls), SOLID 9 PGII	1	CM	~~12000~~ 2900	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1) 99376-04 ERG(171) (USE-IDAHO) BOEING FUNIQUE ID: ROLLOFF# 003 DATE: 07/12/2022

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Karl Knobel Lead Mech | Signature: [signature] | Month 8 Day 11 Year 22

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Joseph A. McDaniel | Signature: [signature] | Month 8 Day 11 Year 22
Transporter 2 Printed/Typed Name: | Signature: | Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 | 2. | 3. | 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Crystal McLammon | Signature: [signature] | Month 8 Day 12 Year 22

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.   DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
WAD980982037	1	(800) 424-9300	024062856 JJK

GENERATOR

5. Generator's Name and Mailing Address
Boeing SO (North Field)
PO Box 3707 (MC 9U-20)
Seattle, WA 98124
Generator's Phone: (206) 544-2000

Generator's Site Address (if different than mailing address)
Boeing CO (North Field)
7300 E Marginal Way S
Seattle, WA 98108 (9700)

6. Transporter 1 Company Name: MP Environmental Services, Inc.
U.S. EPA ID Number: CAT000624347

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
US Ecology Idaho Inc Site E
20400 Lemley Road
Grandview, ID 83624
Facility's Phone: (208) 834-2275
U.S. EPA ID Number: IDD073114654

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432 Polychlorinated Byphenyls, SOLID 9 PGII	1	CM	~~12000~~ 17 20919	E	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1) 59378-CO - ERG(171) (USE-IDAHO) BOEING PUYALLUP ID. ROLLOFF 005 DATE: 07/12/2022

LnR 4658168

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Karl Knabel
Signature: Karl Knabel
Month: 8 Day: 15 Year: 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Joseph A. McDaniel
Signature:
Month: 8 Day: 15 Year: 22

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H130			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Berenice Aragon
Signature:
Month: 8 Day: 16 Year: 22

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: WAD980982037
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: 024062857 JJK

5. Generator's Name and Mailing Address
Boeing CO (North Field)
PO Box 3707 (MC904-20)
Seattle, WA 98124
Generator's Phone: (206) 544-2000

Generator's Site Address (if different than mailing address)
Boeing CO (North Field)
7500 E Marginal Way S
Seattle, WA 98108-0000

6. Transporter 1 Company Name: MP Environmental Services, Inc — U.S. EPA ID Number: CAT000624247

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
US Ecology Idaho Inc Site B
20400 Lemley Road
Grandview, ID 83624
Facility's Phone: (208) 834-2275
U.S. EPA ID Number: IDD073114654

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432 Polychlorinated Byphenyls), SOLID 9 PGII	1	CM	~~12000~~ 46674	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1) 59376-0? - ERG(171) (USE-IDAHO) BOEING FUNOQUE ID. ROLLOFF3 005 DATE: 07/12/2022

LMRI 4658170

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Karl Knabel — Signature: [signature] — Month/Day/Year: 8 / 17 / 22

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Joseph A McDaniel — Signature: [signature] — Month/Day/Year: 8 / 17 / 22
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Berenice Aramp — Signature: [signature] — Month/Day/Year: 8 / 18 / 22

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.
DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
WAD980982037	1	(800) 424-9300	024062858 JJK

GENERATOR

5. Generator's Name and Mailing Address
Boeing CO (North Field)
PO Box 3707 (MC904-20)
Seattle, WA 98124
Generator's Phone: (206) 544-2000

Generator's Site Address (if different than mailing address)
Boeing CO (North Field)
7500 E Marginal Way S
Seattle, WA 98108 (000)

6. Transporter 1 Company Name
MP Environmental Services, Inc.
U.S. EPA ID Number
CAT000624247

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
US Ecology Idaho Inc Site B
20400 Lemley Road
Grandview, ID 83624
Facility's Phone: (208) 834-2275
U.S. EPA ID Number
IDD072114654

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432 Polychlorinated Byphenyls), SOLID 9 PGII	1	CM	12000	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1) 59376-30 - ERG(171) (USE-IDAHO) BOEING PUNOQUE ID ROLLOFF 005 DATE: 07/12/2022

LMR 4658171 2511

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Karl Knabel
Signature: Karl Knabel
Month: 8 Day: 15 Year: 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Pitts
Signature: JP
Month: 08 Day: 15 Year: 22

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Berenice Arnum
Signature: BAC
Month: 8 Day: 16 Year: 22

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	WAD980982037	1	(800) 424-9300	024062859 JJK

GENERATOR

5. Generator's Name and Mailing Address
Boeing CO (North Field)
PO Box 3707 (MC 9U-20)
Seattle, WA 98124
Generator's Phone: (206) 544-2000

Generator's Site Address (if different than mailing address)
Boeing CO (North Field)
7500 E Marginal Way S
Seattle, WA 98108-3770

6. Transporter 1 Company Name: MP Environmental Services, Inc
U.S. EPA ID Number: CAT000624247

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
US Ecology Idaho Inc Site B
20400 Lemley Road
Grandview, ID 83624
Facility's Phone: (208) 834-2278
U.S. EPA ID Number: IDD073114654

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432 Polychlorinated Byphenyls, SOLID 9 PGII	1	CM	12000 15367	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1) 59378-0 - ERG(171) (USE-IDAHO) BOEING FUNOQUE ID: ROLLOFF 005 DATE: 07/12/2022

LMR 465172 2538

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Karl Knabel
Signature: Karl Knabel
Month: 8 Day: 18 Year: 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Ritz
Signature:
Month: 08 Day: 18 Year: 22

Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Verena Araujo
Signature:
Month: 8 Day: 18 Year: 22

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

AG-2390 2559

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: WAD980982037
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: **024062860 JJK**

5. Generator's Name and Mailing Address
Boeing CO (North Field)
PO Box 3707 (M/C904-20)
Seattle, WA 98124
Generator's Phone: (206) 544-2000

Generator's Site Address (if different than mailing address)
Boeing CO (North Field)
7500 E Marginal Way S
Seattle, WA 98108

6. Transporter 1 Company Name: MP Environmental Services, Inc
U.S. EPA ID Number: CAT000624247

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
US Ecology Idaho Inc Site B
20400 Lemley Road
Grandview, ID 83624
Facility's Phone: (208) 834-2275
U.S. EPA ID Number: IDD073114654

GENERATOR

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432 Polychlorinated Byphenyls), SOLID 9 PGII	1	CM	12000	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1) 59376-00 - ERG(171) (USE-IDAHO) BOEING PUNOQUE ID: ROLLOFF3 005 DATE: 07/12/2022

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Nathan Schuder
Signature: [signature]
Month 9 Day 12 Year 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jerry Pitts
Signature: [signature]
Month 09 Day 12 Year 22
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132
2.
3.
4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Berenica Aramp
Signature: [signature]
Month 9 Day 13 Year 22

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

AG 2391 220915SOU113

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
WAD980982037	1	(800) 424-9300	024062861 JJK

GENERATOR

5. Generator's Name and Mailing Address
Boeing Co (North Field)
PO Box 3707 (MC904-20)
Seattle, WA 98124
Generator's Phone: (206) 544-2000

Generator's Site Address (if different than mailing address)
Boeing Co (North Field)
500 S Marginal Way S
Seattle, WA 98108-3000

6. Transporter 1 Company Name: MP Environmental Services Inc
U.S. EPA ID Number: CAT000624247

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
US Ecology Idaho Inc Site B
20400 Lemley Road
Grandview, ID 83624
Facility's Phone: (208) 834-2275
U.S. EPA ID Number: IDD073114554

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432 Polychlorinated Byphenyls, SOLID 9 PGII	1	CM	12000	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. 59376-00 - ERG(171) (USE-IDAHO) BOEING PUNOQUE ID ROLLOFF3 (05 DATE 07/12/2022

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Karl Knobel KARL KNOBEL Signature: Karl Knobel Month: 09 Day: 14 Year: 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Terry Pitts Signature: TMP Month: 09 Day: 14 Year: 22

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Berenice Aranda Signature: Month: 09 Day: 15 Year: 22

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY COPY

IF YOU RECEIVED THIS MANIFEST, YOU HAVE RESPONSIBILITIES UNDER THE e-MANIFEST ACT. SEE INSTRUCTIONS ON REVERSE SIDE.

AG 2392

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
WAD980982037	1	(800) 424-9300	024062862 JJK

GENERATOR

5. Generator's Name and Mailing Address
Boeing CO (North Field)
PO Box 3707 (MC904-20)
Seattle, WA 98124
Generator's Phone: (206) 544-2000

Generator's Site Address (if different than mailing address)
Boeing CO (North Field)
7300 S Marginal Way S
Seattle, WA 98108-0000

6. Transporter 1 Company Name: MP Environmental Services, Inc
U.S. EPA ID Number: CAT000624247

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
US Ecology Idaho Inc Site 6
20400 Lemley Road
Grandview, ID 83624
Facility's Phone: (208) 834-2275
U.S. EPA ID Number: IDD073114654

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432 Polychlorinated Byphenyls, SOLID 9 PGII	1	CM	12000	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1) 59376-01 - ERG(171) (USE-IDAHO) BOEING PUNOQUE ID ROLLOFF3 005 DATE: 07/12/2022

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Karl Knabel
Signature: Karl Knabel
Month: 9 Day: 19 Year: 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Transporter signature (for exports only):
Port of entry/exit:
Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Pitts
Signature:
Month: 09 Day: 19 Year: 22

Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Berenice Araujo
Signature: BAG
Month: 9 Day: 20 Year: 22

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

APPENDIX B

Laboratory Data Packages

July 15, 2022

Ms. Colette Gaona
Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

Dear Ms. Gaona,

On July 11th, 65 samples were received by our laboratory and assigned our laboratory project number EV22070033. The project was identified as your NBF - 3-322 / 025082.222.005. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Carl Nott
Professional Scientist

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	7/15/2022
		ALS JOB#:	EV22070033
		ALS SAMPLE#:	EV22070033-01
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:07:00 PM
CLIENT SAMPLE ID	3-322-CH02(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	**0.27**	0.052	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**84.0**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-02
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:06:00 PM
CLIENT SAMPLE ID	3-322-CI03(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	**0.31**	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	**0.29**	0.052	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**100**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-03
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:13:00 PM
CLIENT SAMPLE ID	3-322-CH03(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	**1.5**	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	**0.65**	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	**0.47**	0.052	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**91.0**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-04
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:17:00 PM
CLIENT SAMPLE ID	3-322-CH04(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	**0.16**	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	U	0.053	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**83.0**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-05
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:14:00 PM
CLIENT SAMPLE ID	3-322-CI04(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	**0.15**	0.052	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**81.0**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-06
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:21:00 PM
CLIENT SAMPLE ID	3-322-CH05(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	**0.11**	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	**0.29**	0.052	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**87.0**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	7/15/2022
		ALS JOB#:	EV22070033
		ALS SAMPLE#:	EV22070033-07
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:22:00 PM
CLIENT SAMPLE ID	3-322-CI05(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	**0.67**	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	**0.45**	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	**0.36**	0.052	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**90.0**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-08
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:25:00 PM
CLIENT SAMPLE ID	3-322-CH06(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	**0.12**	0.052	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**83.0**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-09
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:28:00 PM
CLIENT SAMPLE ID	3-322-CI06(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	**0.082**	0.053	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**79.0**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-10
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:31:00 PM
CLIENT SAMPLE ID	3-322-CH07(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	U	0.053	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**78.0**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-11
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:32:00 PM
CLIENT SAMPLE ID	3-322-CI07(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	**0.098**	0.052	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**89.0**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-12
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:33:00 PM
CLIENT SAMPLE ID	3-322-CH08(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**54.0**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-13
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:34:00 PM
CLIENT SAMPLE ID	3-322-CI08(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**65.0**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-14
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:37:00 PM
CLIENT SAMPLE ID	3-322-CG02(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	1.1	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	1.1	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	1.1	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	1.1	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	1.1	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	1.1	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	U	1.1	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	1.1	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	**9.1**	1.1	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**100**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-15
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:38:00 PM
CLIENT SAMPLE ID	3-322-CF03(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	**0.15**	0.056	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**63.0**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-16
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:41:00 PM
CLIENT SAMPLE ID	3-322-CG04(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	**0.27**	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	**1.2**	0.053	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**67.0**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-17
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:42:00 PM
CLIENT SAMPLE ID	3-322-CF04(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.54	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.54	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.54	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.54	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.54	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	**0.68**	0.54	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	**0.98**	0.54	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.54	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	**2.3**	0.54	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**110**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-18
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:43:00 PM
CLIENT SAMPLE ID	3-322-CG05(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	**0.17**	0.051	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**116**	07/13/2022	OSE

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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-19
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:44:00 PM
CLIENT SAMPLE ID	3-322-CF05(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	**0.24**	0.052	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**102**	07/13/2022	OSE

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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-20
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:45:00 PM
CLIENT SAMPLE ID	3-322-CG06(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	**0.17**	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	**0.61**	0.054	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**99.0**	07/13/2022	OSE

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ALS Group USA, Corp dba ALS Environmental

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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-21
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:46:00 PM
CLIENT SAMPLE ID	3-322-CF06(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**105**	07/13/2022	OSE

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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-22
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:47:00 PM
CLIENT SAMPLE ID	3-322-CG07(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**108**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-23
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:51:00 PM
CLIENT SAMPLE ID	3-322-CG08(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**119**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-24
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:52:00 PM
CLIENT SAMPLE ID	3-322-CF07(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.52	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.52	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.52	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.52	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.52	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	**2.5**	0.52	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	**1.5**	0.52	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.52	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	**0.84**	0.52	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**120**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-25
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:53:00 PM
CLIENT SAMPLE ID	3-322-CE03(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	OSE
PCB-1262	EPA-8082	**0.13**	0.053	1	MG/KG	07/13/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**109**	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	7/15/2022
		ALS JOB#:	EV22070033
		ALS SAMPLE#:	EV22070033-26
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:56:00 PM
CLIENT SAMPLE ID	3-322-CF08(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**72.5**	07/12/2022	JMK
DCB	EPA-8082	**87.4**	07/12/2022	JMK

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ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	7/15/2022
		ALS JOB#:	EV22070033
		ALS SAMPLE#:	EV22070033-27
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:55:00 PM
CLIENT SAMPLE ID	3-322-CE04(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1260	EPA-8082	**0.60**	0.10	1	MG/KG	07/12/2022	JMK
PCB-1268	EPA-8082	**0.43**	0.10	1	MG/KG	07/12/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**73.5**	07/12/2022	JMK
DCB	EPA-8082	**96.4**	07/12/2022	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
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ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-28
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:58:00 PM
CLIENT SAMPLE ID	3-322-CD05(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**78.1**	07/12/2022	JMK
DCB	EPA-8082	**113**	07/12/2022	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-29
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 1:01:00 PM
CLIENT SAMPLE ID	3-322-CE05(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**86.6**	07/12/2022	JMK
DCB	EPA-8082	**103**	07/12/2022	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	7/15/2022
		ALS JOB#:	EV22070033
		ALS SAMPLE#:	EV22070033-30
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 1:04:00 PM
CLIENT SAMPLE ID	3-322-CD06(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**80.7**	07/12/2022	JMK
DCB	EPA-8082	**95.4**	07/12/2022	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-31
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 1:03:00 PM
CLIENT SAMPLE ID	3-322-CE06(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1260	EPA-8082	**0.11**	0.10	1	MG/KG	07/14/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1262	EPA-8082	**0.33**	0.052	1	MG/KG	07/14/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**90.0**	07/14/2022	OSE

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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	7/15/2022
		ALS JOB#:	EV22070033
		ALS SAMPLE#:	EV22070033-32
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 1:06:00 PM
CLIENT SAMPLE ID	3-322-CD07(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**75.6**	07/12/2022	JMK
DCB	EPA-8082	**107**	07/12/2022	JMK

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ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-33
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 1:07:00 PM
CLIENT SAMPLE ID	3-322-CE07(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1260	EPA-8082	**0.18**	0.10	1	MG/KG	07/14/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1262	EPA-8082	**0.28**	0.052	1	MG/KG	07/14/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**92.0**	07/14/2022	OSE

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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	7/15/2022
		ALS JOB#:	EV22070033
		ALS SAMPLE#:	EV22070033-34
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 1:09:00 PM
CLIENT SAMPLE ID	3-322-CE08(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**65.8**	07/12/2022	JMK
DCB	EPA-8082	**88.9**	07/12/2022	JMK

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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	7/15/2022
		ALS JOB#:	EV22070033
		ALS SAMPLE#:	EV22070033-35
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 1:11:00 PM
CLIENT SAMPLE ID	3-322-CE09(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**68.2**	07/12/2022	JMK
DCB	EPA-8082	**85.5**	07/12/2022	JMK

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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-36
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 1:14:00 PM
CLIENT SAMPLE ID	3-322-CD08(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**62.5**	07/12/2022	JMK
DCB	EPA-8082	**81.0**	07/12/2022	JMK

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ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-37
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 1:15:00 PM
CLIENT SAMPLE ID	3-322-CC07(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**75.3**	07/12/2022	JMK
DCB	EPA-8082	**90.4**	07/12/2022	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
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ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-38
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 1:18:00 PM
CLIENT SAMPLE ID	3-322-CB07(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**70.4**	07/12/2022	JMK
DCB	EPA-8082	**89.2**	07/12/2022	JMK

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ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	7/15/2022
		ALS JOB#:	EV22070033
		ALS SAMPLE#:	EV22070033-39
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 1:19:00 PM
CLIENT SAMPLE ID	3-322-CC08(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**82.2**	07/12/2022	JMK
DCB	EPA-8082	**93.8**	07/12/2022	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	7/15/2022
		ALS JOB#:	EV22070033
		ALS SAMPLE#:	EV22070033-40
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 1:22:00 PM
CLIENT SAMPLE ID	3-322-CB08(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**81.8**	07/12/2022	JMK
DCB	EPA-8082	**94.2**	07/12/2022	JMK

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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-41
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 1:21:00 PM
CLIENT SAMPLE ID	3-322-CC09(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**41.3**	07/12/2022	JMK
DCB	EPA-8082	**50.9**	07/12/2022	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	7/15/2022
		ALS JOB#:	EV22070033
		ALS SAMPLE#:	EV22070033-42
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 1:25:00 PM
CLIENT SAMPLE ID	3-322-CA08(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**88.1**	07/12/2022	JMK
DCB	EPA-8082	**105**	07/12/2022	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-43
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 1:26:00 PM
CLIENT SAMPLE ID	3-322-CB09(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**64.8**	07/12/2022	JMK
DCB	EPA-8082	**92.5**	07/12/2022	JMK

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ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-44
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 1:34:00 PM
CLIENT SAMPLE ID	3-322-CA09(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**86.1**	07/12/2022	JMK
DCB	EPA-8082	**111**	07/12/2022	JMK

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ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	7/15/2022
		ALS JOB#:	EV22070033
		ALS SAMPLE#:	EV22070033-45
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 2:27:00 PM
CLIENT SAMPLE ID	3-322-CH09(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/12/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**70.9**	07/12/2022	JMK
DCB	EPA-8082	**100**	07/12/2022	JMK

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ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	7/15/2022
		ALS JOB#:	EV22070033
		ALS SAMPLE#:	EV22070033-46
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 2:28:00 PM
CLIENT SAMPLE ID	3-322-CI09(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**58.2**	07/13/2022	JMK
DCB	EPA-8082	**77.1**	07/13/2022	JMK

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ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-47
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 2:31:00 PM
CLIENT SAMPLE ID	3-322-CJ04(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1260	EPA-8082	**0.24**	0.10	1	MG/KG	07/13/2022	JMK
PCB-1268	EPA-8082	**0.17**	0.10	1	MG/KG	07/13/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**76.7**	07/13/2022	JMK
DCB	EPA-8082	**98.2**	07/13/2022	JMK

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ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	7/15/2022
		ALS JOB#:	EV22070033
		ALS SAMPLE#:	EV22070033-48
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 2:32:00 PM
CLIENT SAMPLE ID	3-322-CI10(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**60.0**	07/13/2022	JMK
DCB	EPA-8082	**81.1**	07/13/2022	JMK

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ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-49
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 2:35:00 PM
CLIENT SAMPLE ID	3-322-CJ05(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1260	EPA-8082	**0.13**	0.10	1	MG/KG	07/13/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**75.4**	07/13/2022	JMK
DCB	EPA-8082	**93.9**	07/13/2022	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-50
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 2:38:00 PM
CLIENT SAMPLE ID	3-322-CK06(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1260	EPA-8082	**0.17**	0.10	1	MG/KG	07/13/2022	JMK
PCB-1268	EPA-8082	**0.12**	0.10	1	MG/KG	07/13/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**73.5**	07/13/2022	JMK
DCB	EPA-8082	**93.7**	07/13/2022	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-51
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 2:39:00 PM
CLIENT SAMPLE ID	3-322-CJ06(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**43.8**	07/13/2022	JMK
DCB	EPA-8082	**59.4**	07/13/2022	JMK

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ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	7/15/2022
		ALS JOB#:	EV22070033
		ALS SAMPLE#:	EV22070033-52
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 2:42:00 PM
CLIENT SAMPLE ID	3-322-CK07(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**77.0**	07/13/2022	JMK
DCB	EPA-8082	**101**	07/13/2022	JMK

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ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-53
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 2:43:00 PM
CLIENT SAMPLE ID	3-322-CJ08(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**76.9**	07/13/2022	JMK
DCB	EPA-8082	**95.6**	07/13/2022	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-54
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 2:45:00 PM
CLIENT SAMPLE ID	3-322-CJ09(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**73.0**	07/13/2022	JMK
DCB	EPA-8082	**91.8**	07/13/2022	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-55
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 2:48:00 PM
CLIENT SAMPLE ID	3-322-CK09(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1260	EPA-8082	**0.28**	0.10	1	MG/KG	07/13/2022	JMK
PCB-1268	EPA-8082	**0.21**	0.10	1	MG/KG	07/13/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**86.0**	07/13/2022	JMK
DCB	EPA-8082	**114**	07/13/2022	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-56
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 2:53:00 PM
CLIENT SAMPLE ID	3-322-CJ10(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**74.2**	07/13/2022	JMK
DCB	EPA-8082	**86.8**	07/13/2022	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
Was unable to run a closing CCV due to laboratory error, results should be considered estimate.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-57
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 2:54:00 PM
CLIENT SAMPLE ID	3-322-CK10(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/13/2022	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**74.4**	07/13/2022	JMK
DCB	EPA-8082	**91.6**	07/13/2022	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
Was unable to run a closing CCV due to laboratory error, results should be considered estimate.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-58
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 2:55:00 PM
CLIENT SAMPLE ID	3-322-CJ11(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	07/14/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**89.0**	07/14/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-59
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 2:59:00 PM
CLIENT SAMPLE ID	3-322-CL07(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	07/14/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**112**	07/14/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-60
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 3:02:00 PM
CLIENT SAMPLE ID	3-322-CL08(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	07/14/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**97.0**	07/14/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-61
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 3:03:00 PM
CLIENT SAMPLE ID	3-322-CL09(0.9-1.0')	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1254	EPA-8082	**0.14**	0.10	1	MG/KG	07/14/2022	OSE
PCB-1260	EPA-8082	**0.12**	0.10	1	MG/KG	07/14/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	07/14/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**94.0**	07/14/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-62
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:00:00 PM
CLIENT SAMPLE ID	DUP-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1262	EPA-8082	**0.067**	0.052	1	MG/KG	07/14/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**66.0**	07/14/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-63
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:01:00 PM
CLIENT SAMPLE ID	DUP-2	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	07/14/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**99.0**	07/14/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-64
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:02:00 PM
CLIENT SAMPLE ID	DUP-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1254	EPA-8082	**0.22**	0.10	1	MG/KG	07/14/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	07/14/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**92.0**	07/14/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	7/15/2022 EV22070033 EV22070033-65
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/11/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/8/2022 12:03:00 PM
CLIENT SAMPLE ID	DUP-4	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/14/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	07/14/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**85.0**	07/14/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125
CLIENT CONTACT: Colette Gaona
CLIENT PROJECT: NBF - 3-322 / 025082.222.005

DATE: 7/15/2022
ALS SDG#: EV22070033
WDOE ACCREDITATION: C601

LABORATORY BLANK RESULTS

MB-071122S - Batch 181103 - Soil by EPA-8082

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	MG/KG	0.10	07/13/2022	JMK
PCB-1016	EPA-8082	U	MG/KG	0.10	07/12/2022	JMK
PCB-1221	EPA-8082	U	MG/KG	0.10	07/13/2022	JMK
PCB-1221	EPA-8082	U	MG/KG	0.10	07/12/2022	JMK
PCB-1232	EPA-8082	U	MG/KG	0.10	07/12/2022	JMK
PCB-1232	EPA-8082	U	MG/KG	0.10	07/13/2022	JMK
PCB-1242	EPA-8082	U	MG/KG	0.10	07/13/2022	JMK
PCB-1242	EPA-8082	U	MG/KG	0.10	07/12/2022	JMK
PCB-1248	EPA-8082	U	MG/KG	0.10	07/13/2022	JMK
PCB-1248	EPA-8082	U	MG/KG	0.10	07/12/2022	JMK
PCB-1254	EPA-8082	U	MG/KG	0.10	07/13/2022	JMK
PCB-1254	EPA-8082	U	MG/KG	0.10	07/12/2022	JMK
PCB-1260	EPA-8082	U	MG/KG	0.10	07/12/2022	JMK
PCB-1260	EPA-8082	U	MG/KG	0.10	07/13/2022	JMK
PCB-1268	EPA-8082	U	MG/KG	0.10	07/13/2022	JMK
PCB-1268	EPA-8082	U	MG/KG	0.10	07/12/2022	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R412977 - Batch R412977 - Soil by EPA-8082

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	MG/KG	0.10	07/13/2022	OSE
PCB-1221	EPA-8082	U	MG/KG	0.10	07/13/2022	OSE
PCB-1232	EPA-8082	U	MG/KG	0.10	07/13/2022	OSE
PCB-1242	EPA-8082	U	MG/KG	0.10	07/13/2022	OSE
PCB-1248	EPA-8082	U	MG/KG	0.10	07/13/2022	OSE
PCB-1254	EPA-8082	U	MG/KG	0.10	07/13/2022	OSE
PCB-1260	EPA-8082	U	MG/KG	0.10	07/13/2022	OSE
PCB-1268	EPA-8082	U	MG/KG	0.10	07/13/2022	OSE
PCB-1262	EPA-8082	U	MG/KG	0.052	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R412980 - Batch R412980 - Soil by EPA-8082

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	MG/KG	0.10	07/13/2022	OSE
PCB-1221	EPA-8082	U	MG/KG	0.10	07/13/2022	OSE
PCB-1232	EPA-8082	U	MG/KG	0.10	07/13/2022	OSE

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

CLIENT CONTACT: Colette Gaona
CLIENT PROJECT: NBF - 3-322 / 025082.222.005

DATE: 7/15/2022
ALS SDG#: EV22070033
WDOE ACCREDITATION: C601

LABORATORY BLANK RESULTS

MBLK-R412980 - Batch R412980 - Soil by EPA-8082

PCB-1242	EPA-8082	U	MG/KG	0.10	07/13/2022	OSE
PCB-1248	EPA-8082	U	MG/KG	0.10	07/13/2022	OSE
PCB-1254	EPA-8082	U	MG/KG	0.10	07/13/2022	OSE
PCB-1260	EPA-8082	U	MG/KG	0.10	07/13/2022	OSE
PCB-1268	EPA-8082	U	MG/KG	0.10	07/13/2022	OSE
PCB-1262	EPA-8082	U	MG/KG	0.051	07/13/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R413019 - Batch R413019 - Soil by EPA-8082

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	MG/KG	0.10	07/14/2022	OSE
PCB-1221	EPA-8082	U	MG/KG	0.10	07/14/2022	OSE
PCB-1232	EPA-8082	U	MG/KG	0.10	07/14/2022	OSE
PCB-1242	EPA-8082	U	MG/KG	0.10	07/14/2022	OSE
PCB-1248	EPA-8082	U	MG/KG	0.10	07/14/2022	OSE
PCB-1254	EPA-8082	U	MG/KG	0.10	07/14/2022	OSE
PCB-1260	EPA-8082	U	MG/KG	0.10	07/14/2022	OSE
PCB-1268	EPA-8082	U	MG/KG	0.10	07/14/2022	OSE
PCB-1262	EPA-8082	U	MG/KG	0.052	07/14/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R413034 - Batch R413034 - Soil by EPA-8082

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	MG/KG	0.10	07/14/2022	OSE
PCB-1221	EPA-8082	U	MG/KG	0.10	07/14/2022	OSE
PCB-1232	EPA-8082	U	MG/KG	0.10	07/14/2022	OSE
PCB-1242	EPA-8082	U	MG/KG	0.10	07/14/2022	OSE
PCB-1248	EPA-8082	U	MG/KG	0.10	07/14/2022	OSE
PCB-1254	EPA-8082	U	MG/KG	0.10	07/14/2022	OSE
PCB-1260	EPA-8082	U	MG/KG	0.10	07/14/2022	OSE
PCB-1268	EPA-8082	U	MG/KG	0.10	07/14/2022	OSE
PCB-1262	EPA-8082	U	MG/KG	0.052	07/14/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

CLIENT CONTACT: Colette Gaona
CLIENT PROJECT: NBF - 3-322 / 025082.222.005

DATE: 7/15/2022
ALS SDG#: EV22070033
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 181103 - Soil by EPA-8082

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
PCB-1016 - BS	EPA-8082	**71.5**			50	150	07/12/2022	JMK
PCB-1016 - BS	EPA-8082	**75.3**			50	150	07/13/2022	JMK
PCB-1016 - BSD	EPA-8082	**67.2**	**6**		50	150	07/12/2022	JMK
PCB-1016 - BSD	EPA-8082	**80.0**	**6**		50	150	07/13/2022	JMK
PCB-1260 - BS	EPA-8082	**77.5**			50	150	07/12/2022	JMK
PCB-1260 - BS	EPA-8082	**90.6**			50	150	07/13/2022	JMK
PCB-1260 - BSD	EPA-8082	**69.8**	**10**		50	150	07/12/2022	JMK
PCB-1260 - BSD	EPA-8082	**94.1**	**4**		50	150	07/13/2022	JMK

ALS Test Batch ID: R412977 - Soil by EPA-8082

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
PCB-1260 - BS	EPA-8082	**83.0**			65	134	07/13/2022	OSE
PCB-1260 - BSD	EPA-8082	**91.0**	**9**		65	134	07/13/2022	OSE

ALS Test Batch ID: R412980 - Soil by EPA-8082

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
PCB-1260 - BS	EPA-8082	**90.8**			65	134	07/13/2022	OSE
PCB-1260 - BSD	EPA-8082	**94.8**	**4**		65	134	07/13/2022	OSE

ALS Test Batch ID: R413019 - Soil by EPA-8082

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
PCB-1260 - BS	EPA-8082	**101**			65	134	07/14/2022	OSE
PCB-1260 - BSD	EPA-8082	**93.6**	**7**		65	134	07/14/2022	OSE

APPROVED BY

Professional Scientist

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

EV2207003 3

Chain-of-Custody Record

LANDAU ASSOCIATES

[X] North Seattle (206) 631-8660 [ ] Spokane (509) 327-9737
[ ] Tacoma (253) 926-2493 [ ] Portland (503) 542-1080
[ ] Olympia (360) 791-3178 [ ] _____

Date 7/8/22
Page 1 of 3

Turnaround Time:
Standard _____
Accelerated 3-5 Day

Project Name NBF - 3-322 Project No. 025082.222.005
Project Location/Event North Boeing Field, Seattle / 3-322 Soil July 22
Sampler's Name Devon Brandt, Kalpana Prasad & Ben Hecht
Project Contact Colette Gaona
Send Results To Colette Gaona

Special Handling Requirements: _____
Shipment Method: Drop off
Stored on ice: (Yes) / No

	Sample I.D.	Date	Time	Matrix	No. of Containers	PCBs Aroclors (8082)	Observations/Comments
1	3-322-CH02(0.9-1.0')	7/8/22	1207	Soil	1	X	
2	3-322-CI03(0.9-1.0')		1206		1	X	
3	3-322-CH03(0.9-1.0')		1213		1	X	
4	3-322-CH04(0.9-1.0')		1217		1	X	
5	3-322-CI04(0.9-1.0')		1214		1	X	
6	3-322-CH05(0.9-1.0')		1221		1	X	
7	3-322-CI05(0.9-1.0')		1222		1	X	
8	3-322-CH06(0.9-1.0')		1225		1	X	
9	3-322-CI06(0.9-1.0')		1228		1	X	
10	3-322-CH07(0.9-1.0')		1231		1	X	
11	3-322-CI07(0.9-1.0')		1232		1	X	
12	3-322-CH08(0.9-1.0')		1233		1	X	
13	3-322-CI05(0.9-1.0')		1234		1	X	
14	3-322-CG02(0.9-1.0')		1237		1	X	
15	3-322-CF03(0.9-1.0')		1238		1	X	
16	3-322-CG04(0.9-1.0')		1241		1	X	
17	3-322-CF04(0.9-1.0')		1242		1	X	
18	3-322-CG05(0.9-1.0')		1243		1	X	
19	3-322-CF05(0.9-1.0')		1244		1	X	
20	3-322-CG06(0.9-1.0')		1245		1	X	
21	3-322-CF06(0.9-1.0')		1246		1	X	
22	3-322-CG07(0.9-1.0')		1247		1	X	

Testing Parameters

___ Allow water samples to settle, collect aliquot from clear portion [ ]
___ NWTPH-Dx - Acid wash cleanup [ ]
- Silica gel cleanup [ ]
___ Dissolved metal samples were field filtered

Other _____

Relinquished by	Received by	Relinquished by	Received by
Signature [signature]	Signature Shawn Robinson	Signature	Signature
Printed Name Kalpana Prasad	Printed Name Shawn Robinson	Printed Name	Printed Name
Company Landau Ass.	Company ALS	Company	Company
Date 7/11/22 Time 725	Date 7/11/22 Time 7:25	Date Time	Date Time

WHITE COPY - Laboratory YELLOW COPY - Project File PINK COPY - Client Representative

10/2018

EV220700033

Landau Associates — Chain-of-Custody Record

☐ North Seattle (206) 631-8660 ☐ Spokane (509) 327-9737
☐ Tacoma (253) 926-2493 ☐ Portland (503) 542-1080
☐ Olympia (360) 791-3178 ☐ _____

Date 7/8/22
Page 2 of 3

Turnaround Time:
Standard _____
Accelerated 3-5 Day

Project Name NBF-3-322 Project No. 025082.222.005
Project Location/Event NBF, Seattle/3-322 Soil July 2022
Sampler's Name DSB/KVP/BLH
Project Contact Colette Goona
Send Results To Colette Goona

Special Handling Requirements: _____
Shipment Method: Drop off
Stored on ice: (Yes) / No

	Sample I.D.	Date	Time	Matrix	No. of Containers	PCBs Aroclors (8082)	Observations/Comments
23	3-322-(G08(0.9-1.0')	7/8/22	1251	Soil	1	X	
24	3-322-(F07(0.9-1.0')		1252		1	X	
25	3-322-(E03(0.9-1.0')		1253		1	X	
26	3-322-(F08(0.9-1.0')		1256		1	X	
27	3-322-(E04(0.9-1.0')		1255		1	X	
28	3-322-(D05(0.9-1.0')		1258		1	X	
29	3-322-(E05(0.9-1.0')		1301		1	X	
30	3-322-(D06(0.9-1.0')		1304		1	X	
31	3-322-(E06(0.9-1.0')		1303		1	X	
32	3-322-(D07(0.9-1.0')		1306		1	X	
33	3-322-(E07(0.9-1.0')		1307		1	X	
34	3-322-(E08(0.9-1.0')		1309		1	X	
35	3-322-(E09(0.9-1.0')		1311		1	X	
36	3-322-(D08(0.9-1.0')		1314		1	X	
37	3-322-(C07(0.9-1.0')		1315		1	X	
38	3-322-(B07(0.9-1.0')		1318		1	X	
39	3-322-(C08(0.9-1.0')		1319		1	X	
40	3-322-(B08(0.9-1.0')		1322		1	X	
41	3-322-(C09(0.9-1.0')		1321		1	X	
42	3-322-(A08(0.9-1.0')		1325		1	X	
43	3-322-(B09(0.9-1.0')		1326		1	X	
44	3-322-(A09(0.9-1.0')		1334		1	X	

Testing Parameters

☐ Allow water samples to settle, collect aliquot from clear portion ☐
☐ NWTPH-Dx - Acid wash cleanup ☐
- Silica gel cleanup ☐
☐ Dissolved metal samples were field filtered

Other _____

Relinquished by	Received by	Relinquished by	Received by
Signature [signature]	Signature Shawn Robinson	Signature	Signature
Printed Name Kalpana Prasad	Printed Name Shawn Robinson	Printed Name	Printed Name
Company Landau Ass.	Company ALS	Company	Company
Date 7/11/22 Time 725	Date 7/11/22 Time 7:25	Date Time	Date Time

WHITE COPY - Laboratory YELLOW COPY - Project File PINK COPY - Client Representative

10/2018

EV2207003 3

Chain-of-Custody Record

LANDAU ASSOCIATES

☒ North Seattle (206) 631-8660 ☐ Spokane (509) 327-9737
☐ Tacoma (253) 926-2493 ☐ Portland (503) 542-1080
☐ Olympia (360) 791-3178 ☐ _____

Date 7/8/22
Page 3 of 3

Turnaround Time:
Standard _____
Accelerated 3-5 Day

Project Name NBF-3-322 Project No. 025082.222.005
Project Location/Event NBF/3-322 Soil July 2022
Sampler's Name DSB/KVP/BLH
Project Contact Colette Gaona
Send Results To Colette Gaona

Special Handling Requirements: _____
Shipment Method: Dropoff
Stored on ice: (Yes) / No

	Sample I.D.	Date	Time	Matrix	No. of Containers	PCBs Aroclors (8082)	Observations/Comments
45	3-322-CH09 (0.9-1.0')	7/8/22	1427	Soil	1	X	
46	3-322-CI09 (0.9-1.0')		1428		1	X	
47	3-322-CJ04 (0.9-1.0')		1431		1	X	
48	3-322-CI10 (0.9-1.0)		1432		1	X	
49	3-322-CJ05 (0.9-1.0')		1435		1	X	
50	3-322-CK06 (0.9-1.0')		1438		1	X	
51	3-322-CJ06 (0.9-1.0')		1439		1	X	
52	3-322-CK07 (0.9-1.0')		1442		1	X	
53	3-322-CJ08 (0.9-1.0')		1443		1	X	
54	3-322-CJ09 (0.9-1.0')		1445		1	X	
55	3-322-CK09 (0.9-1.0')		1448		1	X	
56	3-322-CJ10 (0.9-1.0')		1453		1	X	
57	3-322-CK10 (0.9-1.0')		1454		1	X	
58	3-322-CJ11 (0.9-1.0')		1455		1	X	
59	3-322-CL07 (0.9-1.0')		1459		1	X	
60	3-322-CL08 (0.9-1.0')		1502		1	X	
61	3-322-CL09 (0.9-1.0')		1503		1	X	
62	DUP-1		1200		1	X	
63	DUP-2		1201		1	X	
64	DUP-3		1202		1	X	
65	DUP-4		1203		1	X	

Testing Parameters

☐ Allow water samples to settle, collect aliquot from clear portion ☐
☐ NWTPH-Dx - Acid wash cleanup ☐
- Silica gel cleanup ☐
☐ Dissolved metal samples were field filtered

Other _____

Relinquished by	Received by	Relinquished by	Received by
Signature [signature]	Signature Shawn Robinson	Signature	Signature
Printed Name Kalpana Prasad	Printed Name Shawn Robinson	Printed Name	Printed Name
Company Landau Ass.	Company ALS	Company	Company
Date 7/11/22 Time 725	Date 7/11/22 Time 7:25	Date Time	Date Time

WHITE COPY - Laboratory YELLOW COPY - Project File PINK COPY - Client Representative

10/2018

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau Associates ALS Job #: EV22070033

Project: NAF - 3-322 / 025082.222.005

Received Date: 7/11/22 Received Time: 0925 By: SR

Type of shipping container: Cooler X Box ___ Other ___

Shipped via: FedEx Ground ___ UPS ___ Mail ___ Courier ___ Hand Delivered X
FedEx Express ___

	Yes	No	N/A
Were custody seals on outside of shipping container?	X		
If yes, how many? 1 Where? Top of each cooler			
Custody seal date: 7/8/22 Seal name: Landau			
Was Chain of Custody properly filled out (ink, signed, dated, etc.)?	X		
Did all bottles have labels?	X		
Did all bottle labels and tags agree with Chain of Custody?	X		
Were samples received within hold time?	X		
Did all bottles arrive in good condition (unbroken, etc.)?	X		
Was sufficient amount of sample sent for the tests indicated?	X		
Was correct preservation added to samples?			X

If no, Sample Control added preservative to the following:

Sample Number	Reagent	Analyte

Were VOA vials checked for absence of air bubbles?			X
Bubbles present in sample #: ___			

Temperature of cooler upon receipt: 8.1°c, 9.8°c, 1.4°c (all on melted ice) SR → mostly melted ice Cold Cool Ambient N/A

Explain any discrepancies: ___

Was client contacted? No Who was called? — By whom? — Date: —

Outcome of call: ___

August 2, 2022

Ms. Colette Gaona
Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

Dear Ms. Gaona,

On July 28th, 10 samples were received by our laboratory and assigned our laboratory project number EV22070121. The project was identified as your NBF - 3-322 / 025082.222.005. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	8/2/2022
		ALS JOB#:	EV22070121
		ALS SAMPLE#:	EV22070121-01
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/28/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/27/2022 11:45:00 AM
CLIENT SAMPLE ID	3-322-CDUP5(2.9-3.0)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	08/01/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**89.0**	08/01/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	8/2/2022
		ALS JOB#:	EV22070121
		ALS SAMPLE#:	EV22070121-02
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/28/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/27/2022 11:55:00 AM
CLIENT SAMPLE ID	3-322-CG02(2.9-3.0)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	08/01/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**102**	08/01/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	8/2/2022
		ALS JOB#:	EV22070121
		ALS SAMPLE#:	EV22070121-03
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/28/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/27/2022 11:59:00 AM
CLIENT SAMPLE ID	3-322-CE04(2.9-3.0)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	08/01/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**99.0**	08/01/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	8/2/2022 EV22070121 EV22070121-04
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/28/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/27/2022 12:04:00 PM
CLIENT SAMPLE ID	3-322-CF04(2.9-3.0)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	08/01/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**99.0**	08/01/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	8/2/2022 EV22070121 EV22070121-05
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/28/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/27/2022 12:15:00 PM
CLIENT SAMPLE ID	3-322-CG04(2.9-3.0)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	08/01/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**103**	08/01/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	8/2/2022 EV22070121 EV22070121-06
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/28/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/27/2022 1:20:00 PM
CLIENT SAMPLE ID	3-322-CI03(2.9-3.0)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1262	EPA-8082	**0.070**	0.052	1	MG/KG	08/01/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**102**	08/01/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	8/2/2022 EV22070121 EV22070121-07
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/28/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/27/2022 1:23:00 PM
CLIENT SAMPLE ID	3-322-CH03(2.9-3.0)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1254	EPA-8082	**0.12**	0.10	1	MG/KG	08/01/2022	OSE
PCB-1260	EPA-8082	**0.12**	0.10	1	MG/KG	08/01/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	08/01/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**102**	08/01/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE: ALS JOB#: ALS SAMPLE#:	8/2/2022 EV22070121 EV22070121-08
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/28/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/27/2022 1:25:00 PM
CLIENT SAMPLE ID	3-322-CF07(2.9-3.0)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	08/01/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**101**	08/01/2022	OSE

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ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	8/2/2022
		ALS JOB#:	EV22070121
		ALS SAMPLE#:	EV22070121-09
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/28/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/28/2022 10:45:00 AM
CLIENT SAMPLE ID	3-322-CI05(2.9-3.0)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	08/01/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**100**	08/01/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	8/2/2022
		ALS JOB#:	EV22070121
		ALS SAMPLE#:	EV22070121-10
CLIENT CONTACT:	Colette Gaona	DATE RECEIVED:	07/28/2022
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005	COLLECTION DATE:	7/28/2022 10:50:00 AM
CLIENT SAMPLE ID	3-322-CG06(2.9-3.0)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1221	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1232	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1242	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1248	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1254	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1260	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1268	EPA-8082	U	0.10	1	MG/KG	08/01/2022	OSE
PCB-1262	EPA-8082	U	0.052	1	MG/KG	08/01/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
DCB	EPA-8082	**102**	08/01/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	8/2/2022
		ALS SDG#:	EV22070121
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Colette Gaona		
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005		

LABORATORY BLANK RESULTS

MBLK-R414211 - Batch R414211 - Soil by EPA-8082

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	MG/KG	0.10	08/01/2022	OSE
PCB-1221	EPA-8082	U	MG/KG	0.10	08/01/2022	OSE
PCB-1232	EPA-8082	U	MG/KG	0.10	08/01/2022	OSE
PCB-1242	EPA-8082	U	MG/KG	0.10	08/01/2022	OSE
PCB-1248	EPA-8082	U	MG/KG	0.10	08/01/2022	OSE
PCB-1254	EPA-8082	U	MG/KG	0.10	08/01/2022	OSE
PCB-1260	EPA-8082	U	MG/KG	0.10	08/01/2022	OSE
PCB-1268	EPA-8082	U	MG/KG	0.10	08/01/2022	OSE
PCB-1262	EPA-8082	U	MG/KG	0.052	08/01/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	8/2/2022
		ALS SDG#:	EV22070121
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Colette Gaona		
CLIENT PROJECT:	NBF - 3-322 / 025082.222.005		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: R414211 - Soil by EPA-8082

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
PCB-1260 - BS	EPA-8082	**74.2**			50	150	08/01/2022	OSE
PCB-1260 - BSD	EPA-8082	**72.6**	**2**		50	150	08/01/2022	OSE

APPROVED BY

Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

~~EV220700333~~ EV220701211

Chain-of-Custody Record

LANDAU ASSOCIATES

- [x] North Seattle (206) 631-8660
- [ ] Tacoma (253) 926-2493
- [ ] Olympia (360) 791-3178
- [ ] Spokane (509) 327-9737
- [ ] Portland (503) 542-1080
- [ ] _____

Date 7/28/2022

Page 1 of 1

Turnaround Time:
Standard _____
Accelerated 2-3-day

Project Name NBF-3-322 Project No. 025082.222.005

Project Location/Event North Boeing Field Seattle/3-322 Soil July '22

Sampler's Name Ben Hecht

Project Contact Colette Gaona

Send Results To Colette Gaona

Special Handling Requirements: _____

Shipment Method: Drop off

Stored on ice: (Yes) / No

No dash (BH) Sample I.D.	Date	Time	Matrix	No. of Containers	PCB Aroclors (8082)	Observations/Comments
3-322-CXDUP5 (2.9-3.0)	7/27/2022	1145	S 1	1	X	
3-322-CG02 (2.9-3.0)		1155	2	1	X	
3-322-CE04 (2.9-3.0)		1159	3	1	X	
3-322-CF04 (2.9-3.0)		1204	4	1	X	
3-322-CG04 (2.9-3.0)		1215	5	1	X	
3-322-CI03 (2.9-3.0)		1320	6	1	X	
3-322-CH03 (2.9-3.0)		1323	7	1	X	
3-322-CF07 (2.9-3.0)		1325	8	1	X	
3-322-CI05 (2.9-3.0)	7/28/2022	1045	9	1	X	
3-322-CG06 (2.9-3.0)		1050	10	1	X	
			(BH)			

BH

__ Allow water samples to settle, collect aliquot from clear portion ☐

__ NWTPH-Dx - Acid wash cleanup ☐
- Silica gel cleanup ☐

__ Dissolved metal samples were field filtered

Other _____

Relinquished by	Received by	Relinquished by	Received by
Signature	Signature	Signature	Signature
Printed Name Benjamin Hecht	Printed Name Glen Perry	Printed Name	Printed Name
Company Landau Associates Inc.	Company ALS	Company	Company
Date 7/28/2022 Time 1235	Date 7/28/22 Time 12:35	Date Time	Date Time

WHITE COPY - Laboratory YELLOW COPY - Project File PINK COPY - Client Representative

10/2018

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: North Boeing Field Seattle ALS Job #: EV2207012 1

Project: NBF-3-322

Received Date: 7-28-22 Received Time: 12:55 By: MH

Type of shipping container: Cooler ✓ Box ___ Other ___

Shipped via: FedEx Ground ___ UPS ___ Mail ___ Courier ___ Hand Delivered ✓
FedEx Express ___

	Yes	No	N/A
Were custody seals on outside of shipping container?	___	X	___
If yes, how many? ___ Where? ___			
Custody seal date: ___ Seal name: ___			
Was Chain of Custody properly filled out (ink, signed, dated, etc.)?	✓	___	___
Did all bottles have labels?	✓	___	___
Did all bottle labels and tags agree with Chain of Custody?	✓	___	___
Were samples received within hold time?	✓	___	___
Did all bottles arrive in good condition (unbroken, etc.)?	✓	___	___
Was sufficient amount of sample sent for the tests indicated?	✓	___	___
Was correct preservation added to samples?	✓	___	___

If no, Sample Control added preservative to the following:

Sample Number	Reagent	Analyte

Were VOA vials checked for absence of air bubbles?	___	___	✓
Bubbles present in sample #: ___			

Temperature of cooler upon receipt: 7.6°C Ice (Cold) Cool Ambient N/A

Explain any discrepancies: ___

Was client contacted? ___ Who was called? ___ By whom? ___ Date: ___

Outcome of call: ___