

ANALYTICAL REPORT

Eurofins Lancaster Laboratories Env, LLC
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Laboratory Job ID: 410-50365-1

Client Project/Site: Boeing Portland, TSA - 0251 16.620.640

For:

Landau & Associates, Inc.
130 Second Ave South
Edmonds, Washington 98020

Attn: Evelyn Ives



Authorized for release by:
8/11/2021 9:47:48 PM

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Results relate only to the items tested and the sample(s) as received by the laboratory.



Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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A handwritten signature in black ink that reads "Vanessa N. Badman".

Vanessa Badman
Project Manager
8/11/2021 9:47:48 PM



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Surrogate Summary	11
QC Sample Results	12
QC Association Summary	17
Lab Chronicle	18
Certification Summary	19
Method Summary	20
Sample Summary	21
Chain of Custody	22
Receipt Checklists	23

Definitions/Glossary

Client: Landau & Associates, Inc.
Project/Site: Boeing Portland, TSA - 0251 16.620.640

Job ID: 410-50365-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Landau & Associates, Inc.
Project/Site: Boeing Portland, TSA - 0251 16.620.640

Job ID: 410-50365-1

Job ID: 410-50365-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative 410-50365-1

Receipt

The samples were received on 8/6/2021 10:31 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.0°C

GC/MS VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Detection Summary

Client: Landau & Associates, Inc.
Project/Site: Boeing Portland, TSA - 0251 16.620.640

Job ID: 410-50365-1

Client Sample ID: Tripblank1 - 0821

Lab Sample ID: 410-50365-1

No Detections.

Client Sample ID: BOP - 61ds - 0821

Lab Sample ID: 410-50365-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.231		0.200	ug/L	1		8260C LL	Total/NA
cis-1,2-Dichloroethene	0.211		0.200	ug/L	1		8260C LL	Total/NA
Trichloroethene	3.02		0.200	ug/L	1		8260C LL	Total/NA

Client Sample ID: BOP - Dup - 0821

Lab Sample ID: 410-50365-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.241		0.200	ug/L	1		8260C LL	Total/NA
cis-1,2-Dichloroethene	0.215		0.200	ug/L	1		8260C LL	Total/NA
Trichloroethene	3.12		0.200	ug/L	1		8260C LL	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: Landau & Associates, Inc.
 Project/Site: Boeing Portland, TSA - 0251 16.620.640

Job ID: 410-50365-1

Client Sample ID: Tripblank1 - 0821

Lab Sample ID: 410-50365-1

Date Collected: 08/04/21 00:00

Matrix: Water

Date Received: 08/06/21 10:31

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.500	U	0.500	ug/L			08/10/21 00:37	1
1,1,1,2-Tetrachloroethane	0.200	U	0.200	ug/L			08/10/21 00:37	1
1,1,2-Trichloroethane	0.200	U	0.200	ug/L			08/10/21 00:37	1
1,1-Dichloroethane	0.500	U	0.500	ug/L			08/10/21 00:37	1
1,1-Dichloroethene	0.200	U	0.200	ug/L			08/10/21 00:37	1
1,2-Dichloroethane	0.200	U	0.200	ug/L			08/10/21 00:37	1
1,2-Dichloropropane	0.500	U	0.500	ug/L			08/10/21 00:37	1
2-Butanone	5.00	U	5.00	ug/L			08/10/21 00:37	1
2-Hexanone	5.00	U	5.00	ug/L			08/10/21 00:37	1
4-Methyl-2-pentanone	5.00	U	5.00	ug/L			08/10/21 00:37	1
Acetone	5.00	U	5.00	ug/L			08/10/21 00:37	1
Benzene	0.200	U	0.200	ug/L			08/10/21 00:37	1
Bromodichloromethane	0.500	U	0.500	ug/L			08/10/21 00:37	1
Bromoform	1.00	U	1.00	ug/L			08/10/21 00:37	1
Bromomethane	0.500	U	0.500	ug/L			08/10/21 00:37	1
Carbon disulfide	0.500	U	0.500	ug/L			08/10/21 00:37	1
Carbon tetrachloride	0.200	U	0.200	ug/L			08/10/21 00:37	1
Chlorobenzene	0.500	U	0.500	ug/L			08/10/21 00:37	1
Chloroethane	0.500	U	0.500	ug/L			08/10/21 00:37	1
Chloroform	0.200	U	0.200	ug/L			08/10/21 00:37	1
Chloromethane	0.500	U	0.500	ug/L			08/10/21 00:37	1
cis-1,2-Dichloroethene	0.200	U	0.200	ug/L			08/10/21 00:37	1
cis-1,3-Dichloropropene	0.200	U	0.200	ug/L			08/10/21 00:37	1
Dibromochloromethane	0.500	U	0.500	ug/L			08/10/21 00:37	1
Ethylbenzene	0.500	U	0.500	ug/L			08/10/21 00:37	1
Freon 113	0.500	U	0.500	ug/L			08/10/21 00:37	1
m&p-Xylene	0.500	U	0.500	ug/L			08/10/21 00:37	1
Methylene Chloride	0.500	U	0.500	ug/L			08/10/21 00:37	1
o-Xylene	0.500	U	0.500	ug/L			08/10/21 00:37	1
Styrene	0.500	U	0.500	ug/L			08/10/21 00:37	1
Tetrachloroethene	0.200	U	0.200	ug/L			08/10/21 00:37	1
Toluene	0.200	U	0.200	ug/L			08/10/21 00:37	1
trans-1,2-Dichloroethene	0.200	U	0.200	ug/L			08/10/21 00:37	1
trans-1,3-Dichloropropene	0.200	U	0.200	ug/L			08/10/21 00:37	1
Trichloroethene	0.200	U	0.200	ug/L			08/10/21 00:37	1
Trichlorofluoromethane	0.500	U	0.500	ug/L			08/10/21 00:37	1
Vinyl acetate	0.500	U	0.500	ug/L			08/10/21 00:37	1
Vinyl chloride	0.200	U	0.200	ug/L			08/10/21 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		08/10/21 00:37	1
Dibromofluoromethane (Surr)	96		80 - 120		08/10/21 00:37	1
4-Bromofluorobenzene (Surr)	96		80 - 120		08/10/21 00:37	1
Toluene-d8 (Surr)	98		80 - 120		08/10/21 00:37	1

Client Sample Results

Client: Landau & Associates, Inc.
 Project/Site: Boeing Portland, TSA - 0251 16.620.640

Job ID: 410-50365-1

Client Sample ID: BOP - 61ds - 0821

Lab Sample ID: 410-50365-2

Date Collected: 08/04/21 09:45

Matrix: Water

Date Received: 08/06/21 10:31

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.500	U	0.500	ug/L			08/10/21 01:21	1
1,1,1,2-Tetrachloroethane	0.200	U	0.200	ug/L			08/10/21 01:21	1
1,1,2-Trichloroethane	0.200	U	0.200	ug/L			08/10/21 01:21	1
1,1-Dichloroethane	0.500	U	0.500	ug/L			08/10/21 01:21	1
1,1-Dichloroethene	0.200	U	0.200	ug/L			08/10/21 01:21	1
1,2-Dichloroethane	0.200	U	0.200	ug/L			08/10/21 01:21	1
1,2-Dichloropropane	0.500	U	0.500	ug/L			08/10/21 01:21	1
2-Butanone	5.00	U	5.00	ug/L			08/10/21 01:21	1
2-Hexanone	5.00	U	5.00	ug/L			08/10/21 01:21	1
4-Methyl-2-pentanone	5.00	U	5.00	ug/L			08/10/21 01:21	1
Acetone	5.00	U	5.00	ug/L			08/10/21 01:21	1
Benzene	0.200	U	0.200	ug/L			08/10/21 01:21	1
Bromodichloromethane	0.500	U	0.500	ug/L			08/10/21 01:21	1
Bromoform	1.00	U	1.00	ug/L			08/10/21 01:21	1
Bromomethane	0.500	U	0.500	ug/L			08/10/21 01:21	1
Carbon disulfide	0.500	U	0.500	ug/L			08/10/21 01:21	1
Carbon tetrachloride	0.200	U	0.200	ug/L			08/10/21 01:21	1
Chlorobenzene	0.500	U	0.500	ug/L			08/10/21 01:21	1
Chloroethane	0.500	U	0.500	ug/L			08/10/21 01:21	1
Chloroform	0.231		0.200	ug/L			08/10/21 01:21	1
Chloromethane	0.500	U	0.500	ug/L			08/10/21 01:21	1
cis-1,2-Dichloroethene	0.211		0.200	ug/L			08/10/21 01:21	1
cis-1,3-Dichloropropene	0.200	U	0.200	ug/L			08/10/21 01:21	1
Dibromochloromethane	0.500	U	0.500	ug/L			08/10/21 01:21	1
Ethylbenzene	0.500	U	0.500	ug/L			08/10/21 01:21	1
Freon 113	0.500	U	0.500	ug/L			08/10/21 01:21	1
m&p-Xylene	0.500	U	0.500	ug/L			08/10/21 01:21	1
Methylene Chloride	0.500	U	0.500	ug/L			08/10/21 01:21	1
o-Xylene	0.500	U	0.500	ug/L			08/10/21 01:21	1
Styrene	0.500	U	0.500	ug/L			08/10/21 01:21	1
Tetrachloroethene	0.200	U	0.200	ug/L			08/10/21 01:21	1
Toluene	0.200	U	0.200	ug/L			08/10/21 01:21	1
trans-1,2-Dichloroethene	0.200	U	0.200	ug/L			08/10/21 01:21	1
trans-1,3-Dichloropropene	0.200	U	0.200	ug/L			08/10/21 01:21	1
Trichloroethene	3.02		0.200	ug/L			08/10/21 01:21	1
Trichlorofluoromethane	0.500	U	0.500	ug/L			08/10/21 01:21	1
Vinyl acetate	0.500	U	0.500	ug/L			08/10/21 01:21	1
Vinyl chloride	0.200	U	0.200	ug/L			08/10/21 01:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		08/10/21 01:21	1
Dibromofluoromethane (Surr)	96		80 - 120		08/10/21 01:21	1
4-Bromofluorobenzene (Surr)	96		80 - 120		08/10/21 01:21	1
Toluene-d8 (Surr)	97		80 - 120		08/10/21 01:21	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.333	U	0.333	ug/L		08/10/21 09:05	08/11/21 04:54	1

Client Sample Results

Client: Landau & Associates, Inc.
 Project/Site: Boeing Portland, TSA - 0251 16.620.640

Job ID: 410-50365-1

Client Sample ID: BOP - 61ds - 0821

Lab Sample ID: 410-50365-2

Date Collected: 08/04/21 09:45

Matrix: Water

Date Received: 08/06/21 10:31

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	76		10 - 110	08/10/21 09:05	08/11/21 04:54	1
Fluoranthene-d10 (Surr)	92		47 - 128	08/10/21 09:05	08/11/21 04:54	1
1-Methylnaphthalene-d10 (Surr)	77		36 - 111	08/10/21 09:05	08/11/21 04:54	1

Client Sample ID: BOP - Dup - 0821

Lab Sample ID: 410-50365-3

Date Collected: 08/04/21 10:00

Matrix: Water

Date Received: 08/06/21 10:31

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.500	U	0.500	ug/L			08/10/21 01:43	1
1,1,2,2-Tetrachloroethane	0.200	U	0.200	ug/L			08/10/21 01:43	1
1,1,2-Trichloroethane	0.200	U	0.200	ug/L			08/10/21 01:43	1
1,1-Dichloroethane	0.500	U	0.500	ug/L			08/10/21 01:43	1
1,1-Dichloroethene	0.200	U	0.200	ug/L			08/10/21 01:43	1
1,2-Dichloroethane	0.200	U	0.200	ug/L			08/10/21 01:43	1
1,2-Dichloropropane	0.500	U	0.500	ug/L			08/10/21 01:43	1
2-Butanone	5.00	U	5.00	ug/L			08/10/21 01:43	1
2-Hexanone	5.00	U	5.00	ug/L			08/10/21 01:43	1
4-Methyl-2-pentanone	5.00	U	5.00	ug/L			08/10/21 01:43	1
Acetone	5.00	U	5.00	ug/L			08/10/21 01:43	1
Benzene	0.200	U	0.200	ug/L			08/10/21 01:43	1
Bromodichloromethane	0.500	U	0.500	ug/L			08/10/21 01:43	1
Bromoform	1.00	U	1.00	ug/L			08/10/21 01:43	1
Bromomethane	0.500	U	0.500	ug/L			08/10/21 01:43	1
Carbon disulfide	0.500	U	0.500	ug/L			08/10/21 01:43	1
Carbon tetrachloride	0.200	U	0.200	ug/L			08/10/21 01:43	1
Chlorobenzene	0.500	U	0.500	ug/L			08/10/21 01:43	1
Chloroethane	0.500	U	0.500	ug/L			08/10/21 01:43	1
Chloroform	0.241		0.200	ug/L			08/10/21 01:43	1
Chloromethane	0.500	U	0.500	ug/L			08/10/21 01:43	1
cis-1,2-Dichloroethene	0.215		0.200	ug/L			08/10/21 01:43	1
cis-1,3-Dichloropropene	0.200	U	0.200	ug/L			08/10/21 01:43	1
Dibromochloromethane	0.500	U	0.500	ug/L			08/10/21 01:43	1
Ethylbenzene	0.500	U	0.500	ug/L			08/10/21 01:43	1
Freon 113	0.500	U	0.500	ug/L			08/10/21 01:43	1
m&p-Xylene	0.500	U	0.500	ug/L			08/10/21 01:43	1
Methylene Chloride	0.500	U	0.500	ug/L			08/10/21 01:43	1
o-Xylene	0.500	U	0.500	ug/L			08/10/21 01:43	1
Styrene	0.500	U	0.500	ug/L			08/10/21 01:43	1
Tetrachloroethene	0.200	U	0.200	ug/L			08/10/21 01:43	1
Toluene	0.200	U	0.200	ug/L			08/10/21 01:43	1
trans-1,2-Dichloroethene	0.200	U	0.200	ug/L			08/10/21 01:43	1
trans-1,3-Dichloropropene	0.200	U	0.200	ug/L			08/10/21 01:43	1
Trichloroethene	3.12		0.200	ug/L			08/10/21 01:43	1
Trichlorofluoromethane	0.500	U	0.500	ug/L			08/10/21 01:43	1
Vinyl acetate	0.500	U	0.500	ug/L			08/10/21 01:43	1
Vinyl chloride	0.200	U	0.200	ug/L			08/10/21 01:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		08/10/21 01:43	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: Landau & Associates, Inc.
 Project/Site: Boeing Portland, TSA - 0251 16.620.640

Job ID: 410-50365-1

Client Sample ID: BOP - Dup - 0821

Lab Sample ID: 410-50365-3

Date Collected: 08/04/21 10:00

Matrix: Water

Date Received: 08/06/21 10:31

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	95		80 - 120		08/10/21 01:43	1
4-Bromofluorobenzene (Surr)	95		80 - 120		08/10/21 01:43	1
Toluene-d8 (Surr)	97		80 - 120		08/10/21 01:43	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.333	U	0.333	ug/L		08/10/21 09:05	08/11/21 05:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	76		10 - 110	08/10/21 09:05	08/11/21 05:22	1
Fluoranthene-d10 (Surr)	91		47 - 128	08/10/21 09:05	08/11/21 05:22	1
1-Methylnaphthalene-d10 (Surr)	77		36 - 111	08/10/21 09:05	08/11/21 05:22	1

Surrogate Summary

Client: Landau & Associates, Inc.
 Project/Site: Boeing Portland, TSA - 0251 16.620.640

Job ID: 410-50365-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-50365-1	Tripblank1 - 0821	101	96	96	98
410-50365-2	BOP - 61ds - 0821	99	96	96	97
410-50365-3	BOP - Dup - 0821	99	95	95	97
LCS 410-158338/5	Lab Control Sample	98	96	97	98
LCS 410-158338/7	Lab Control Sample	99	95	97	98
LCSD 410-158338/6	Lab Control Sample Dup	98	95	98	98
LCSD 410-158338/8	Lab Control Sample Dup	98	95	97	98
MB 410-158338/10	Method Blank	99	95	97	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
 DBFM = Dibromofluoromethane (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BAPd12 (10-110)	FLN10 (47-128)	MNPd10 (36-111)
410-50365-2	BOP - 61ds - 0821	76	92	77
410-50365-3	BOP - Dup - 0821	76	91	77
LCS 410-158509/2-A	Lab Control Sample	81	85	76
LCSD 410-158509/3-A	Lab Control Sample Dup	78	81	71
MB 410-158509/1-A	Method Blank	80	85	80

Surrogate Legend

BAPd12 = Benzo(a)pyrene-d12 (Surr)
 FLN10 = Fluoranthene-d10 (Surr)
 MNPd10 = 1-Methylnaphthalene-d10 (Surr)

QC Sample Results

Client: Landau & Associates, Inc.
 Project/Site: Boeing Portland, TSA - 0251 16.620.640

Job ID: 410-50365-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-158338/10

Matrix: Water

Analysis Batch: 158338

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,1,1-Trichloroethane	0.500	U	0.500	ug/L			08/09/21 21:18	1
1,1,1,2-Tetrachloroethane	0.200	U	0.200	ug/L			08/09/21 21:18	1
1,1,2-Trichloroethane	0.200	U	0.200	ug/L			08/09/21 21:18	1
1,1-Dichloroethane	0.500	U	0.500	ug/L			08/09/21 21:18	1
1,1-Dichloroethene	0.200	U	0.200	ug/L			08/09/21 21:18	1
1,2-Dichloroethane	0.200	U	0.200	ug/L			08/09/21 21:18	1
1,2-Dichloropropane	0.500	U	0.500	ug/L			08/09/21 21:18	1
2-Butanone	5.00	U	5.00	ug/L			08/09/21 21:18	1
2-Hexanone	5.00	U	5.00	ug/L			08/09/21 21:18	1
4-Methyl-2-pentanone	5.00	U	5.00	ug/L			08/09/21 21:18	1
Acetone	5.00	U	5.00	ug/L			08/09/21 21:18	1
Benzene	0.200	U	0.200	ug/L			08/09/21 21:18	1
Bromodichloromethane	0.500	U	0.500	ug/L			08/09/21 21:18	1
Bromoform	1.00	U	1.00	ug/L			08/09/21 21:18	1
Bromomethane	0.500	U	0.500	ug/L			08/09/21 21:18	1
Carbon disulfide	0.500	U	0.500	ug/L			08/09/21 21:18	1
Carbon tetrachloride	0.200	U	0.200	ug/L			08/09/21 21:18	1
Chlorobenzene	0.500	U	0.500	ug/L			08/09/21 21:18	1
Chloroethane	0.500	U	0.500	ug/L			08/09/21 21:18	1
Chloroform	0.200	U	0.200	ug/L			08/09/21 21:18	1
Chloromethane	0.500	U	0.500	ug/L			08/09/21 21:18	1
cis-1,2-Dichloroethene	0.200	U	0.200	ug/L			08/09/21 21:18	1
cis-1,3-Dichloropropene	0.200	U	0.200	ug/L			08/09/21 21:18	1
Dibromochloromethane	0.500	U	0.500	ug/L			08/09/21 21:18	1
Ethylbenzene	0.500	U	0.500	ug/L			08/09/21 21:18	1
Freon 113	0.500	U	0.500	ug/L			08/09/21 21:18	1
m&p-Xylene	0.500	U	0.500	ug/L			08/09/21 21:18	1
Methylene Chloride	0.500	U	0.500	ug/L			08/09/21 21:18	1
o-Xylene	0.500	U	0.500	ug/L			08/09/21 21:18	1
Styrene	0.500	U	0.500	ug/L			08/09/21 21:18	1
Tetrachloroethene	0.200	U	0.200	ug/L			08/09/21 21:18	1
Toluene	0.200	U	0.200	ug/L			08/09/21 21:18	1
trans-1,2-Dichloroethene	0.200	U	0.200	ug/L			08/09/21 21:18	1
trans-1,3-Dichloropropene	0.200	U	0.200	ug/L			08/09/21 21:18	1
Trichloroethene	0.200	U	0.200	ug/L			08/09/21 21:18	1
Trichlorofluoromethane	0.500	U	0.500	ug/L			08/09/21 21:18	1
Vinyl acetate	0.500	U	0.500	ug/L			08/09/21 21:18	1
Vinyl chloride	0.200	U	0.200	ug/L			08/09/21 21:18	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		08/09/21 21:18	1
Dibromofluoromethane (Surr)	95		80 - 120		08/09/21 21:18	1
4-Bromofluorobenzene (Surr)	97		80 - 120		08/09/21 21:18	1
Toluene-d8 (Surr)	98		80 - 120		08/09/21 21:18	1

QC Sample Results

Client: Landau & Associates, Inc.
 Project/Site: Boeing Portland, TSA - 0251 16.620.640

Job ID: 410-50365-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-158338/5

Matrix: Water

Analysis Batch: 158338

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	5.00	4.963		ug/L		99	78 - 126
1,1,1,2-Tetrachloroethane	5.00	5.382		ug/L		108	75 - 123
1,1,2-Trichloroethane	5.00	5.324		ug/L		106	80 - 120
1,1-Dichloroethane	5.00	4.842		ug/L		97	74 - 120
1,1-Dichloroethene	5.00	5.070		ug/L		101	80 - 131
1,2-Dichloroethane	5.00	4.777		ug/L		96	69 - 122
1,2-Dichloropropane	5.00	5.067		ug/L		101	80 - 120
2-Butanone	62.5	61.03		ug/L		98	59 - 141
2-Hexanone	62.5	65.78		ug/L		105	52 - 140
4-Methyl-2-pentanone	62.5	63.23		ug/L		101	55 - 140
Acetone	62.5	54.13		ug/L		87	60 - 146
Benzene	5.00	5.041		ug/L		101	80 - 120
Bromodichloromethane	5.00	5.097		ug/L		102	73 - 124
Bromoform	5.00	5.060		ug/L		101	49 - 144
Bromomethane	5.00	4.967		ug/L		99	60 - 136
Carbon disulfide	5.00	4.701		ug/L		94	67 - 130
Carbon tetrachloride	5.00	4.848		ug/L		97	64 - 141
Chlorobenzene	5.00	5.060		ug/L		101	80 - 120
Chloroethane	5.00	4.861		ug/L		97	63 - 120
Chloroform	5.00	4.981		ug/L		100	80 - 120
Chloromethane	5.00	5.159		ug/L		103	56 - 124
cis-1,2-Dichloroethene	5.00	5.154		ug/L		103	80 - 122
cis-1,3-Dichloropropene	5.00	5.182		ug/L		104	67 - 121
Dibromochloromethane	5.00	5.164		ug/L		103	64 - 138
Ethylbenzene	5.00	5.110		ug/L		102	80 - 120
Freon 113	5.00	4.739		ug/L		95	75 - 133
m&p-Xylene	10.0	10.36		ug/L		104	80 - 120
Methylene Chloride	5.00	4.925		ug/L		98	80 - 120
o-Xylene	5.00	5.133		ug/L		103	80 - 120
Styrene	5.00	5.332		ug/L		107	80 - 120
Tetrachloroethene	5.00	4.969		ug/L		99	80 - 120
Toluene	5.00	5.120		ug/L		102	80 - 120
trans-1,2-Dichloroethene	5.00	5.049		ug/L		101	80 - 122
trans-1,3-Dichloropropene	5.00	5.454		ug/L		109	61 - 129
Trichloroethene	5.00	4.982		ug/L		100	80 - 120
Trichlorofluoromethane	5.00	4.793		ug/L		96	62 - 136
Vinyl chloride	5.00	4.950		ug/L		99	60 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Toluene-d8 (Surr)	98		80 - 120

QC Sample Results

Client: Landau & Associates, Inc.
 Project/Site: Boeing Portland, TSA - 0251 16.620.640

Job ID: 410-50365-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-158338/7

Matrix: Water

Analysis Batch: 158338

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl acetate	12.5	11.75		ug/L		94	38 - 145
Surrogate							
	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	99		80 - 120				
Dibromofluoromethane (Surr)	95		80 - 120				
4-Bromofluorobenzene (Surr)	97		80 - 120				
Toluene-d8 (Surr)	98		80 - 120				

Lab Sample ID: LCSD 410-158338/6

Matrix: Water

Analysis Batch: 158338

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	5.00	5.040		ug/L		101	78 - 126	2	30
1,1,1,2-Tetrachloroethane	5.00	5.470		ug/L		109	75 - 123	2	30
1,1,1,2-Trichloroethane	5.00	5.375		ug/L		108	80 - 120	1	30
1,1-Dichloroethane	5.00	4.956		ug/L		99	74 - 120	2	30
1,1-Dichloroethene	5.00	5.059		ug/L		101	80 - 131	0	30
1,2-Dichloroethane	5.00	4.662		ug/L		93	69 - 122	2	30
1,2-Dichloropropane	5.00	5.133		ug/L		103	80 - 120	1	30
2-Butanone	62.5	66.69		ug/L		107	59 - 141	9	30
2-Hexanone	62.5	71.33		ug/L		114	52 - 140	8	30
4-Methyl-2-pentanone	62.5	69.37		ug/L		111	55 - 140	9	30
Acetone	62.5	59.43		ug/L		95	60 - 146	9	30
Benzene	5.00	5.086		ug/L		102	80 - 120	1	30
Bromodichloromethane	5.00	5.157		ug/L		103	73 - 124	1	30
Bromoform	5.00	5.129		ug/L		103	49 - 144	1	30
Bromomethane	5.00	4.928		ug/L		99	60 - 136	1	30
Carbon disulfide	5.00	4.668		ug/L		93	67 - 130	1	30
Carbon tetrachloride	5.00	4.885		ug/L		98	64 - 141	1	30
Chlorobenzene	5.00	5.114		ug/L		102	80 - 120	1	30
Chloroethane	5.00	4.829		ug/L		97	63 - 120	1	30
Chloroform	5.00	5.017		ug/L		100	80 - 120	1	30
Chloromethane	5.00	5.147		ug/L		103	56 - 124	0	30
cis-1,2-Dichloroethene	5.00	5.234		ug/L		105	80 - 122	2	30
cis-1,3-Dichloropropene	5.00	5.231		ug/L		105	67 - 121	1	30
Dibromochloromethane	5.00	5.159		ug/L		103	64 - 138	0	30
Ethylbenzene	5.00	5.193		ug/L		104	80 - 120	2	30
Freon 113	5.00	4.624		ug/L		92	75 - 133	2	30
m&p-Xylene	10.0	10.54		ug/L		105	80 - 120	2	30
Methylene Chloride	5.00	5.010		ug/L		100	80 - 120	2	30
o-Xylene	5.00	5.224		ug/L		104	80 - 120	2	30
Styrene	5.00	5.396		ug/L		108	80 - 120	1	30
Tetrachloroethene	5.00	5.018		ug/L		100	80 - 120	1	30
Toluene	5.00	5.195		ug/L		104	80 - 120	1	30
trans-1,2-Dichloroethene	5.00	5.088		ug/L		102	80 - 122	1	30
trans-1,3-Dichloropropene	5.00	5.495		ug/L		110	61 - 129	1	30
Trichloroethene	5.00	5.048		ug/L		101	80 - 120	1	30

Eurofins Lancaster Laboratories Env, LLC

QC Sample Results

Client: Landau & Associates, Inc.
 Project/Site: Boeing Portland, TSA - 0251 16.620.640

Job ID: 410-50365-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-158338/6

Matrix: Water

Analysis Batch: 158338

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichlorofluoromethane	5.00	4.781		ug/L		96	62 - 136	0	30
Vinyl chloride	5.00	5.051		ug/L		101	60 - 125	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: LCSD 410-158338/8

Matrix: Water

Analysis Batch: 158338

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl acetate	12.5	11.76		ug/L		94	38 - 145	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 410-158509/1-A

Matrix: Water

Analysis Batch: 158832

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 158509

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.300	U	0.300	ug/L		08/10/21 09:05	08/10/21 19:51	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	80		10 - 110	08/10/21 09:05	08/10/21 19:51	1
Fluoranthene-d10 (Surr)	85		47 - 128	08/10/21 09:05	08/10/21 19:51	1
1-Methylnaphthalene-d10 (Surr)	80		36 - 111	08/10/21 09:05	08/10/21 19:51	1

Lab Sample ID: LCS 410-158509/2-A

Matrix: Water

Analysis Batch: 158832

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 158509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1.00	0.5140		ug/L		51	23 - 120

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
Benzo(a)pyrene-d12 (Surr)	81		10 - 110
Fluoranthene-d10 (Surr)	85		47 - 128
1-Methylnaphthalene-d10 (Surr)	76		36 - 111

QC Sample Results

Client: Landau & Associates, Inc.
 Project/Site: Boeing Portland, TSA - 0251 16.620.640

Job ID: 410-50365-1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 410-158509/3-A
Matrix: Water
Analysis Batch: 158832

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 158509

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
1,4-Dioxane	1.00	0.4864		ug/L		49	23 - 120	6	30	
Surrogate										
	%Recovery	LCSD	Qualifier							Limits
Benzo(a)pyrene-d12 (Surr)	78									10 - 110
Fluoranthene-d10 (Surr)	81									47 - 128
1-Methylnaphthalene-d10 (Surr)	71									36 - 111



QC Association Summary

Client: Landau & Associates, Inc.
 Project/Site: Boeing Portland, TSA - 0251 16.620.640

Job ID: 410-50365-1

GC/MS VOA

Analysis Batch: 158338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-50365-1	Tripblank1 - 0821	Total/NA	Water	8260C LL	
410-50365-2	BOP - 61ds - 0821	Total/NA	Water	8260C LL	
410-50365-3	BOP - Dup - 0821	Total/NA	Water	8260C LL	
MB 410-158338/10	Method Blank	Total/NA	Water	8260C LL	
LCS 410-158338/5	Lab Control Sample	Total/NA	Water	8260C LL	
LCS 410-158338/7	Lab Control Sample	Total/NA	Water	8260C LL	
LCSD 410-158338/6	Lab Control Sample Dup	Total/NA	Water	8260C LL	
LCSD 410-158338/8	Lab Control Sample Dup	Total/NA	Water	8260C LL	

GC/MS Semi VOA

Prep Batch: 158509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-50365-2	BOP - 61ds - 0821	Total/NA	Water	3510C	
410-50365-3	BOP - Dup - 0821	Total/NA	Water	3510C	
MB 410-158509/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-158509/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-158509/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 158832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-50365-2	BOP - 61ds - 0821	Total/NA	Water	8270E SIM	158509
410-50365-3	BOP - Dup - 0821	Total/NA	Water	8270E SIM	158509
MB 410-158509/1-A	Method Blank	Total/NA	Water	8270E SIM	158509
LCS 410-158509/2-A	Lab Control Sample	Total/NA	Water	8270E SIM	158509
LCSD 410-158509/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	158509

Lab Chronicle

Client: Landau & Associates, Inc.
Project/Site: Boeing Portland, TSA - 0251 16.620.640

Job ID: 410-50365-1

Client Sample ID: Tripblank1 - 0821

Lab Sample ID: 410-50365-1

Date Collected: 08/04/21 00:00

Matrix: Water

Date Received: 08/06/21 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	158338	08/10/21 00:37	K4WN	ELLE

Client Sample ID: BOP - 61ds - 0821

Lab Sample ID: 410-50365-2

Date Collected: 08/04/21 09:45

Matrix: Water

Date Received: 08/06/21 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	158338	08/10/21 01:21	K4WN	ELLE
Total/NA	Prep	3510C			158509	08/10/21 09:05	R9CT	ELLE
Total/NA	Analysis	8270E SIM		1	158832	08/11/21 04:54	X3ZL	ELLE

Client Sample ID: BOP - Dup - 0821

Lab Sample ID: 410-50365-3

Date Collected: 08/04/21 10:00

Matrix: Water

Date Received: 08/06/21 10:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	158338	08/10/21 01:43	K4WN	ELLE
Total/NA	Prep	3510C			158509	08/10/21 09:05	R9CT	ELLE
Total/NA	Analysis	8270E SIM		1	158832	08/11/21 05:22	X3ZL	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Landau & Associates, Inc.
Project/Site: Boeing Portland, TSA - 0251 16.620.640

Job ID: 410-50365-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	PA200001-018	09-12-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270E SIM	3510C	Water	1,4-Dioxane



Method Summary

Client: Landau & Associates, Inc.
Project/Site: Boeing Portland, TSA - 0251 16.620.640

Job ID: 410-50365-1

Method	Method Description	Protocol	Laboratory
8260C LL	Volatile Organic Compounds by GC/MS	SW846	ELLE
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Landau & Associates, Inc.
Project/Site: Boeing Portland, TSA - 0251 16.620.640

Job ID: 410-50365-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-50365-1	Tripblank1 - 0821	Water	08/04/21 00:00	08/06/21 10:31
410-50365-2	BOP - 61ds - 0821	Water	08/04/21 09:45	08/06/21 10:31
410-50365-3	BOP - Dup - 0821	Water	08/04/21 10:00	08/06/21 10:31

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Eurofins Lancaster Laboratories Env, LLC

2425 New Holland Pike
Lancaster, PA 17601
Phone (717) 656-2300

Chain of Custody Record



410-50365 Chain of Custody

eurofins Environment Testing America

Client Information		Sampler: <u>JEC/EMW</u>		Lab PM: <u>Badman, Vanessa</u>		COC No: <u>410-29677-9231.1</u>											
Client Contact: <u>Deborah Taege</u>		Phone:		E-Mail: <u>vanessa.badman@eurofinset.com</u>		Page: <u>1081</u>											
Company: <u>The Boeing Company</u>		PWSID:		Analysis Requested		Job #:											
Address: <u>Support Services PO BOX 34083</u>		Due Date Requested:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8260C_LL - Boeing 38 8260C 8270E_SIM - 1,4-Dioxane		Total Number of containers											
City: <u>Seattle</u>		TAT Requested (days): <u>Standard</u>															
State, Zip: <u>WA, 98124</u>		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No															
Phone:		PO #: <u>025116 620 640</u>															
Email: <u>deborah.a.taege@boeing.com</u>		WO #:															
Project Name: <u>Boeing Portland, Annual GW Event Pt 2 TSA</u>		Project #: <u>41003196</u>		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate, O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)		Other:											
Site: <u>Oregon</u>		SSOW#:															
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers		Special Instructions/Note:	
<u>Tripblank1-0821</u>		<u>9/45</u>		<u>mu</u>		<u>G</u>		<u>W</u>		<u>X</u>		<u>X</u>		<u>2</u>		<u>Please see LIMS</u>	
<u>BOP-61ds-0821</u>		<u>9/50</u>		<u>8/4/21</u>		<u>G</u>		<u>W</u>		<u>X</u>		<u>X</u>		<u>4</u>		<u>LIT for who to forward results</u>	
<u>BOP-61dg-0821 EMW</u>		<u>---</u>		<u>---</u>		<u>---</u>		<u>---</u>		<u>X</u>		<u>cm</u>		<u>5</u>		<u>---</u>	
<u>BOP-Dup-0821</u>		<u>8/4/21</u>		<u>9/45</u>		<u>G</u>		<u>W</u>		<u>X</u>		<u>X</u>		<u>5</u>		<u>---</u>	
				<u>1000</u>													
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological										<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Deliverable Requested: I, II, III, IV, Other (specify)										Special Instructions/QC Requirements:							
Empty Kit Relinquished by:				Date:				Time:				Method of Shipment:					
Relinquished by: <u>[Signature]</u>				Date/Time: <u>August 5, 2021 1110</u>				Company: <u>LAI</u>				Received by:					
Relinquished by: _____				Date/Time: _____				Company: _____				Received by: _____					
Relinquished by: _____				Date/Time: _____				Company: _____				Received by: <u>MP</u>					
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No				Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks: <u>-1.0</u>				Date/Time: <u>8/6/21 1031</u>					

Login Sample Receipt Checklist

Client: Landau & Associates, Inc.

Job Number: 410-50365-1

Login Number: 50365

List Number: 1

Creator: Reiff, Nicole L

List Source: Eurofins Lancaster Laboratories Env, LLC

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	True	