Test Report No. 202409079
Report Date January 14, 2025

Client

Nassimi LLC

550 Seventh Avenue, 15th Floor, New York, NY 10018

Approval Date	December 17, 2024	**Delivery Conditions**	Satisfactory, samples tested as received
Date of Receipt	November 5, 2024	**Testing Date Range**	12-17-2024 to 01-10-2024
Test Request Form #	202409079		

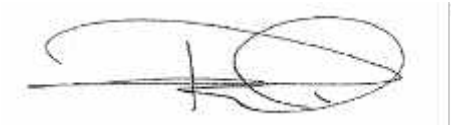
Eurofins ID	Sample Name	Lot/Batch Number	Supplier/Manufacturer	Country of Origin
202409079-1	Biodegraded PVC Soil	N/A	N/A	N/A

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	RESULT
PCB Congeners - Full List (209) (HRGC/HRMS)	See Attachment
PFAS, EPA Standard Method List - (40 Analytes) LC/MS/MS & % Moisture	See Attachment
Heavy Metals; No Mercury (ICP)	See Attachment
Mercury (CVAA)	See Attachment
SVOCs, Custom List	See Attachment
VOCs, Custom List	See Attachment
Chloride only	See Attachment

Analysis completed by Eurofins Subcontract Laboratory

Signed for and on behalf of
Eurofins MTS Consumer Product Testing US, Inc.



Patricia Cox / Project Coordinator

01-14-2025

Eurofins MTS Consumer Product Testing US, LLC
22310 20th Ave SE, Bothell WA 98021
Phone: (425) 686-3575 Web: www.EurofinsUS.com

ATTACHMENT

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Anna Lee
Eurofins MTS Consumer Product Testing US, Inc
349 Lenox Street
Norwood, Massachusetts 02062

Generated 1/8/2025 3:10:36 PM

JOB DESCRIPTION

Soil Analysis - 200010556 / 202409079

JOB NUMBER

320-117836-1

Eurofins Sacramento
880 Riverside Parkway
West Sacramento CA 95605

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northern California, LLC Project Manager.

Authorization

Generated
1/8/2025 3:10:36 PM

Authorized for release by
Laura Turpen, Project Manager I
Laura.Turpen@et.eurofinsus.com
(916)374-4414

Table of Contents

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Dioxin

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
G	The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 320-117836-1 Eurofins Sacramento

Job Narrative
320-117836-1

Receipt
The sample was received on 12/18/2024 10:00 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 16.5º C.

Receipt Exceptions
The following sample was received at the laboratory without a sample collection time documented on the chain of custody and outside the required temperature criteria: 202409079-1 (320-117836-1). There was no cooling media present in the cooler.

GC/MS VOA
Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-517697 and analytical batch 570-517615. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

GC/MS Semi VOA
Method 8270C: The continuing calibration verification (CCV) associated with batch 570-518682 recovered above the upper control limit for Di-n-octyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: 202409079-1 (320-117836-1).

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

Dioxin
Method 1668C: Ion abundance ratios are outside criteria for the Isotope Dilution Analyte (IDA) associated with the following sample: 202409079-1 (320-117836-1). The theoretical area for the IDA was used to quantitate recovery and target concentration.

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

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

LCMS
Method 1633: The Isotope Dilution Analyte (IDA) recoveries associated with the following sample is below the method recommended limit: (MB 320-824473/1-A), (LCS 320-824473/3-A), and (LCSD 320-824473/4-A). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample(s).

Method 1633: Internal standard (ISTD) response for the following sample was outside control limits: 202409079-1 (320-117836-1). The samples were re-analyzed and ISTD response was outside control limits, therefore the data have been reported.

Method 1633: The low level continuing calibration verification (CCVL) associated with batch 320-824852 recovered above the upper control limit for 3:3 FTCA. The Method blank and samples associated with this CCV were non-detects, and the laboratory control samples (LLCS/LCS/LCSD) were within control limits for the affected analytes; therefore, the data have been reported. 202409079-1 (320-117836-1), (CCVL 320-824852/7), (LCS 320-824473/3-A), (LCSD 320-824473/4-A), (LLCS 320-824473/2-A) and (MB 320-824473/1-A)

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

General Chemistry
Method 300.0: The following samples in preparation batch 320-826343 and analytical batch 320-826451 were diluted due to the nature of the sample matrix: 202409079-1 (320-117836-1), (320-117836-B-1-D MS) and (320-117836-B-1-E MSD). The samples were viscous, difficult to filter, and black in color. Elevated reporting limits (RLs) are provided.

Method 300.0: The continuing calibration blank (CCB) and Method Blank (MB) for preparation batch 320-826343 and analytical batch 320-826451 contained chloride above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the CCB/MB; therefore, re-extraction and/or re-analysis of sample was not performed.

Method 300.0: The following samples in analytical batch 320-826451 were diluted due to high concentrations of the target analyte: (320-117836-B-1-D MS) and (320-117836-B-1-E MSD). Because of this dilution, the matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Job ID: 320-117836-1 (Continued) Eurofins Sacramento

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

Organic Prep
Method 1633 Shake: The following sample in preparation batch 320-824473 was yellow in color following extraction. 202409079-1 (320-117836-1)

Method 3546: Due to the matrix, the initial volume used for the following sample deviated from the standard procedure: 202409079-1 (320-117836-1). The reporting limits (RLs) have been adjusted proportionately. There wasn't a lot of soil in the sample, it was wet, maybe contains oil and plant matter.

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

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

Dioxin Prep
Method HRMS-Sox: Sample 202409079-1 (320-117836-1) showed crystallization while bringing to final volume after passing sample through Acid Alumina clean up.

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

Detection Summary

Client: Eurofins MTS Consumer Product Testing US, Inc
Job ID: 320-117836-1
Project/Site: Soil Analysis - 200010556 / 202409079

Client Sample ID: 202409079-1
Lab Sample ID: 320-117836-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	3800	B	840	290	mg/Kg	50	☼	300.0	Soluble
6:2 FTS	1.4		0.67	0.17	ug/Kg	1	☼	1633	Total/NA
Perfluorobutanoic acid (PFBA) - RA	11		0.67	0.17	ug/Kg	1	☼	1633	Total/NA
Perfluoropentanoic acid (PFPeA) - RA	9.2		0.34	0.084	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA) - RA	19		0.34	0.084	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA) - RA	3.8		0.34	0.084	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA) - RA	15		0.34	0.10	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA) - RA	3.1		0.34	0.084	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA) - RA	7.6		0.34	0.084	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA) - RA	1.7		0.34	0.084	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA) - RA	3.5		0.34	0.084	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA) - RA	0.69		0.34	0.084	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA) - RA	1.3		0.34	0.098	ug/Kg	1	☼	1633	Total/NA
Perfluorobutanesulfonic acid (PFBS) - RA	9.7		0.34	0.084	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanesulfonic acid (PFHxS) - RA	0.55		0.34	0.084	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS) - RA	4.5		0.34	0.084	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanesulfonic acid (PFDS) - RA	0.62		0.34	0.084	ug/Kg	1	☼	1633	Total/NA
8:2 FTS - RA	2.5		0.67	0.17	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonamide (PFOSA) - RA	0.69		0.34	0.11	ug/Kg	1	☼	1633	Total/NA
NMeFOSAA - RA	11		0.34	0.084	ug/Kg	1	☼	1633	Total/NA
NEtFOSAA - RA	4.7		0.34	0.084	ug/Kg	1	☼	1633	Total/NA
NMeFOSE - RA	1.6	J	1.7	0.42	ug/Kg	1	☼	1633	Total/NA
NEtFOSE - RA	0.85	J	1.7	0.42	ug/Kg	1	☼	1633	Total/NA
3:3 FTCA - RA	3.0		0.67	0.17	ug/Kg	1	☼	1633	Total/NA
5:3 FTCA - RA	96		1.7	0.42	ug/Kg	1	☼	1633	Total/NA
7:3 FTCA - RA	38		1.7	0.42	ug/Kg	1	☼	1633	Total/NA
PCB-1	11	J B	67	0.73	pg/g	1	☼	1668C	Total/NA
PCB-2	27	J B	67	0.73	pg/g	1	☼	1668C	Total/NA
PCB-3	49	J B	670	0.77	pg/g	1	☼	1668C	Total/NA
PCB-11	420	J B	670	4.0	pg/g	1	☼	1668C	Total/NA
PCB-15	54	J	67	3.0	pg/g	1	☼	1668C	Total/NA
PCB-16	50	J	67	2.3	pg/g	1	☼	1668C	Total/NA
PCB-17	56	J	67	2.1	pg/g	1	☼	1668C	Total/NA
PCB-18	120	J	130	1.5	pg/g	1	☼	1668C	Total/NA
PCB-19	13	J	67	2.8	pg/g	1	☼	1668C	Total/NA
PCB-20	250	B	200	8.4	pg/g	1	☼	1668C	Total/NA
PCB-21	78	J	130	9.5	pg/g	1	☼	1668C	Total/NA
PCB-22	99		67	8.6	pg/g	1	☼	1668C	Total/NA
PCB-24	2.9	J q	67	1.6	pg/g	1	☼	1668C	Total/NA
PCB-25	19	J	67	8.1	pg/g	1	☼	1668C	Total/NA
PCB-26	58	J	130	8.7	pg/g	1	☼	1668C	Total/NA
PCB-27	10	J	67	1.4	pg/g	1	☼	1668C	Total/NA
PCB-28	250	B	200	8.4	pg/g	1	☼	1668C	Total/NA
PCB-29	58	J	130	8.7	pg/g	1	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample ID: 202409079-1 (Continued)

Lab Sample ID: 320-117836-1

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-30	120	J	130	1.5	pg/g	1	☼	1668C	Total/NA
PCB-31	240	B	67	9.0	pg/g	1	☼	1668C	Total/NA
PCB-32	38	J	67	1.4	pg/g	1	☼	1668C	Total/NA
PCB-33	78	J	130	9.5	pg/g	1	☼	1668C	Total/NA
PCB-35	26	J	67	8.7	pg/g	1	☼	1668C	Total/NA
PCB-37	97		67	7.9	pg/g	1	☼	1668C	Total/NA
PCB-40	220		130	16	pg/g	1	☼	1668C	Total/NA
PCB-42	140		67	19	pg/g	1	☼	1668C	Total/NA
PCB-44	750	B	200	16	pg/g	1	☼	1668C	Total/NA
PCB-45	68	J q	130	19	pg/g	1	☼	1668C	Total/NA
PCB-47	750	B	200	16	pg/g	1	☼	1668C	Total/NA
PCB-48	73	B	67	19	pg/g	1	☼	1668C	Total/NA
PCB-49	500		130	16	pg/g	1	☼	1668C	Total/NA
PCB-50	74	J	130	19	pg/g	1	☼	1668C	Total/NA
PCB-51	68	J q	130	19	pg/g	1	☼	1668C	Total/NA
PCB-52	1200	B	67	17	pg/g	1	☼	1668C	Total/NA
PCB-53	74	J	130	19	pg/g	1	☼	1668C	Total/NA
PCB-54	4.6	J q	67	0.15	pg/g	1	☼	1668C	Total/NA
PCB-56	240		67	5.6	pg/g	1	☼	1668C	Total/NA
PCB-59	47	J	200	14	pg/g	1	☼	1668C	Total/NA
PCB-60	120		67	6.3	pg/g	1	☼	1668C	Total/NA
PCB-61	1400		130	5.6	pg/g	1	☼	1668C	Total/NA
PCB-62	47	J	200	14	pg/g	1	☼	1668C	Total/NA
PCB-63	46	J	67	6.5	pg/g	1	☼	1668C	Total/NA
PCB-64	270		67	14	pg/g	1	☼	1668C	Total/NA
PCB-65	750	B	200	16	pg/g	1	☼	1668C	Total/NA
PCB-66	730		67	5.4	pg/g	1	☼	1668C	Total/NA
PCB-68	41	J	67	5.7	pg/g	1	☼	1668C	Total/NA
PCB-69	500		130	16	pg/g	1	☼	1668C	Total/NA
PCB-70	1400		270	5.6	pg/g	1	☼	1668C	Total/NA
PCB-71	220		130	16	pg/g	1	☼	1668C	Total/NA
PCB-72	41	J q	67	6.6	pg/g	1	☼	1668C	Total/NA
PCB-74	1400		270	5.6	pg/g	1	☼	1668C	Total/NA
PCB-75	47	J	200	14	pg/g	1	☼	1668C	Total/NA
PCB-76	1400		270	5.6	pg/g	1	☼	1668C	Total/NA
PCB-77	70		6.7	6.1	pg/g	1	☼	1668C	Total/NA
PCB-79	27	J	67	5.4	pg/g	1	☼	1668C	Total/NA
PCB-80	13	J	67	5.2	pg/g	1	☼	1668C	Total/NA
PCB-82	250		67	33	pg/g	1	☼	1668C	Total/NA
PCB-83	1500		130	32	pg/g	1	☼	1668C	Total/NA
PCB-84	690		67	38	pg/g	1	☼	1668C	Total/NA
PCB-85	370		200	25	pg/g	1	☼	1668C	Total/NA
PCB-86	1600		400	25	pg/g	1	☼	1668C	Total/NA
PCB-87	1600		400	25	pg/g	1	☼	1668C	Total/NA
PCB-88	200		130	34	pg/g	1	☼	1668C	Total/NA
PCB-90	2600		200	28	pg/g	1	☼	1668C	Total/NA
PCB-91	200		130	34	pg/g	1	☼	1668C	Total/NA
PCB-92	500		67	32	pg/g	1	☼	1668C	Total/NA
PCB-95	2000		67	33	pg/g	1	☼	1668C	Total/NA
PCB-96	14	J	67	0.10	pg/g	1	☼	1668C	Total/NA
PCB-97	1600		400	25	pg/g	1	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 202409079-1 (Continued)

Lab Sample ID: 320-117836-1

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-99	1500		130	32	pg/g	1	☼	1668C	Total/NA
PCB-101	2600		200	28	pg/g	1	☼	1668C	Total/NA
PCB-104	8.1	J q	67	0.10	pg/g	1	☼	1668C	Total/NA
PCB-105	670	G	23	23	pg/g	1	☼	1668C	Total/NA
PCB-107	200		130	21	pg/g	1	☼	1668C	Total/NA
PCB-108	57	J	130	23	pg/g	1	☼	1668C	Total/NA
PCB-109	1600		400	25	pg/g	1	☼	1668C	Total/NA
PCB-110	2900		130	23	pg/g	1	☼	1668C	Total/NA
PCB-113	2600		200	28	pg/g	1	☼	1668C	Total/NA
PCB-114	30	G q	24	24	pg/g	1	☼	1668C	Total/NA
PCB-115	2900		130	23	pg/g	1	☼	1668C	Total/NA
PCB-116	370		200	25	pg/g	1	☼	1668C	Total/NA
PCB-117	370		200	25	pg/g	1	☼	1668C	Total/NA
PCB-118	2200	G	22	22	pg/g	1	☼	1668C	Total/NA
PCB-119	1600		400	25	pg/g	1	☼	1668C	Total/NA
PCB-123	34	G	25	25	pg/g	1	☼	1668C	Total/NA
PCB-124	57	J	130	23	pg/g	1	☼	1668C	Total/NA
PCB-125	1600		400	25	pg/g	1	☼	1668C	Total/NA
PCB-128	400		130	15	pg/g	1	☼	1668C	Total/NA
PCB-129	2400	B	270	15	pg/g	1	☼	1668C	Total/NA
PCB-130	160		67	19	pg/g	1	☼	1668C	Total/NA
PCB-131	37	J	67	19	pg/g	1	☼	1668C	Total/NA
PCB-132	900		67	19	pg/g	1	☼	1668C	Total/NA
PCB-133	36	J	67	18	pg/g	1	☼	1668C	Total/NA
PCB-134	140		130	19	pg/g	1	☼	1668C	Total/NA
PCB-135	730		130	17	pg/g	1	☼	1668C	Total/NA
PCB-136	280		67	13	pg/g	1	☼	1668C	Total/NA
PCB-137	130		67	17	pg/g	1	☼	1668C	Total/NA
PCB-138	2400	B	200	15	pg/g	1	☼	1668C	Total/NA
PCB-139	57	J	130	17	pg/g	1	☼	1668C	Total/NA
PCB-140	57	J	130	17	pg/g	1	☼	1668C	Total/NA
PCB-141	350		67	17	pg/g	1	☼	1668C	Total/NA
PCB-143	140		130	19	pg/g	1	☼	1668C	Total/NA
PCB-144	96		67	16	pg/g	1	☼	1668C	Total/NA
PCB-146	340		67	15	pg/g	1	☼	1668C	Total/NA
PCB-147	1700		130	16	pg/g	1	☼	1668C	Total/NA
PCB-149	1700		130	16	pg/g	1	☼	1668C	Total/NA
PCB-151	730		130	17	pg/g	1	☼	1668C	Total/NA
PCB-153	1800		130	13	pg/g	1	☼	1668C	Total/NA
PCB-155	90		67	12	pg/g	1	☼	1668C	Total/NA
PCB-156	260	G q	30	30	pg/g	1	☼	1668C	Total/NA
PCB-157	260	G q	30	30	pg/g	1	☼	1668C	Total/NA
PCB-158	240		67	12	pg/g	1	☼	1668C	Total/NA
PCB-160	2400	B	270	15	pg/g	1	☼	1668C	Total/NA
PCB-163	2400	B	270	15	pg/g	1	☼	1668C	Total/NA
PCB-164	190		67	14	pg/g	1	☼	1668C	Total/NA
PCB-166	400		130	15	pg/g	1	☼	1668C	Total/NA
PCB-167	85	G	20	20	pg/g	1	☼	1668C	Total/NA
PCB-168	1800		130	13	pg/g	1	☼	1668C	Total/NA
PCB-170	440		67	10	pg/g	1	☼	1668C	Total/NA
PCB-171	140		130	9.6	pg/g	1	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 202409079-1 (Continued)

Lab Sample ID: 320-117836-1

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-172	89		67	10	pg/g	1	☼	1668C	Total/NA
PCB-173	140		130	9.6	pg/g	1	☼	1668C	Total/NA
PCB-174	490		67	9.3	pg/g	1	☼	1668C	Total/NA
PCB-175	19	J	67	0.76	pg/g	1	☼	1668C	Total/NA
PCB-176	68		67	0.61	pg/g	1	☼	1668C	Total/NA
PCB-177	250		67	8.8	pg/g	1	☼	1668C	Total/NA
PCB-178	110		67	0.79	pg/g	1	☼	1668C	Total/NA
PCB-179	190		67	0.53	pg/g	1	☼	1668C	Total/NA
PCB-180	1000		130	7.7	pg/g	1	☼	1668C	Total/NA
PCB-182	6.5	J q	67	0.76	pg/g	1	☼	1668C	Total/NA
PCB-183	270		67	7.9	pg/g	1	☼	1668C	Total/NA
PCB-184	140		67	0.54	pg/g	1	☼	1668C	Total/NA
PCB-185	52	J	67	10	pg/g	1	☼	1668C	Total/NA
PCB-186	1.5	J	67	0.49	pg/g	1	☼	1668C	Total/NA
PCB-187	570		67	0.65	pg/g	1	☼	1668C	Total/NA
PCB-188	5.5	J	67	0.51	pg/g	1	☼	1668C	Total/NA
PCB-189	16		6.7	3.3	pg/g	1	☼	1668C	Total/NA
PCB-190	65	J	67	6.5	pg/g	1	☼	1668C	Total/NA
PCB-191	17	J	67	6.9	pg/g	1	☼	1668C	Total/NA
PCB-193	1000		130	7.7	pg/g	1	☼	1668C	Total/NA
PCB-194	270		67	2.2	pg/g	1	☼	1668C	Total/NA
PCB-195	75		67	2.3	pg/g	1	☼	1668C	Total/NA
PCB-196	160		67	1.2	pg/g	1	☼	1668C	Total/NA
PCB-197	19	J	67	0.82	pg/g	1	☼	1668C	Total/NA
PCB-198	360		130	1.0	pg/g	1	☼	1668C	Total/NA
PCB-199	360		130	1.0	pg/g	1	☼	1668C	Total/NA
PCB-200	45	J	67	0.88	pg/g	1	☼	1668C	Total/NA
PCB-201	54	J	67	0.91	pg/g	1	☼	1668C	Total/NA
PCB-202	95		67	0.72	pg/g	1	☼	1668C	Total/NA
PCB-203	190		67	0.96	pg/g	1	☼	1668C	Total/NA
PCB-204	6.1	J q	67	0.85	pg/g	1	☼	1668C	Total/NA
PCB-205	7.2	J q	67	2.3	pg/g	1	☼	1668C	Total/NA
PCB-206	160		67	11	pg/g	1	☼	1668C	Total/NA
PCB-207	18	J q	67	8.3	pg/g	1	☼	1668C	Total/NA
PCB-208	51	J	67	8.4	pg/g	1	☼	1668C	Total/NA
PCB-209	47	J	67	0.34	pg/g	1	☼	1668C	Total/NA
Arsenic	7.6	J	10	6.6	mg/Kg	2	☼	6010B	Total/NA
Barium	280		6.8	1.0	mg/Kg	2	☼	6010B	Total/NA
Cadmium	0.74	J	1.4	0.52	mg/Kg	2	☼	6010B	Total/NA
Chromium	34		3.4	1.8	mg/Kg	2	☼	6010B	Total/NA
Lead	17		6.8	4.5	mg/Kg	2	☼	6010B	Total/NA
Silver	3.3	J	6.8	1.4	mg/Kg	2	☼	6010B	Total/NA
Mercury	0.22	J	0.27	0.075	mg/Kg	1	☼	7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Eurofins MTS Consumer Product Testing US, Inc
Job ID: 320-117836-1
Project/Site: Soil Analysis - 200010556 / 202409079

Client Sample ID: 202409079-1
Lab Sample ID: 320-117836-1
Date Collected: 12/17/24 00:00
Matrix: Solid
Date Received: 12/18/24 10:00
Percent Solids: 29.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		3.3	0.91	ug/Kg	☼	12/26/24 08:33	12/26/24 13:03	1
Trichloroethene	ND		6.6	1.3	ug/Kg	☼	12/26/24 08:33	12/26/24 13:03	1

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		5.8	0.90	mg/Kg	☼	12/26/24 09:42	12/30/24 18:41	1
Benzo[a]anthracene	ND		5.8	0.97	mg/Kg	☼	12/26/24 09:42	12/30/24 18:41	1
Benzo[k]fluoranthene	ND		5.8	1.1	mg/Kg	☼	12/26/24 09:42	12/30/24 18:41	1
Benzo[g,h,i]perylene	ND		5.8	1.0	mg/Kg	☼	12/26/24 09:42	12/30/24 18:41	1
Benzo[a]pyrene	ND		5.8	1.2	mg/Kg	☼	12/26/24 09:42	12/30/24 18:41	1
Bis(2-ethylhexyl) phthalate	ND		5.8	2.5	mg/Kg	☼	12/26/24 09:42	12/30/24 18:41	1
Butyl benzyl phthalate	ND		5.8	2.7	mg/Kg	☼	12/26/24 09:42	12/30/24 18:41	1
Chrysene	ND		5.8	0.97	mg/Kg	☼	12/26/24 09:42	12/30/24 18:41	1
Di-n-butyl phthalate	ND		5.8	1.3	mg/Kg	☼	12/26/24 09:42	12/30/24 18:41	1
Diethyl phthalate	ND		5.8	1.3	mg/Kg	☼	12/26/24 09:42	12/30/24 18:41	1
Dimethyl phthalate	ND		5.8	1.1	mg/Kg	☼	12/26/24 09:42	12/30/24 18:41	1
2,4-Dinitrotoluene	ND		5.8	0.95	mg/Kg	☼	12/26/24 09:42	12/30/24 18:41	1
Di-n-octyl phthalate	ND		5.8	2.7	mg/Kg	☼	12/26/24 09:42	12/30/24 18:41	1
Fluoranthene	ND		5.8	1.1	mg/Kg	☼	12/26/24 09:42	12/30/24 18:41	1
Nitrobenzene	ND		23	1.6	mg/Kg	☼	12/26/24 09:42	12/30/24 18:41	1
Phenanthrene	ND		5.8	0.84	mg/Kg	☼	12/26/24 09:42	12/30/24 18:41	1
Pyrene	ND		5.8	1.2	mg/Kg	☼	12/26/24 09:42	12/30/24 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*57*		*10 - 134*	*12/26/24 09:42*	*12/30/24 18:41*	*1*
2-Fluorobiphenyl (Surr)	*56*		*14 - 142*	*12/26/24 09:42*	*12/30/24 18:41*	*1*
2-Fluorophenol (Surr)	*55*		*10 - 123*	*12/26/24 09:42*	*12/30/24 18:41*	*1*
Nitrobenzene-d5 (Surr)	*61*		*10 - 129*	*12/26/24 09:42*	*12/30/24 18:41*	*1*
Phenol-d6 (Surr)	*63*		*10 - 120*	*12/26/24 09:42*	*12/30/24 18:41*	*1*
p-Terphenyl-d14 (Surr)	*63*		*31 - 139*	*12/26/24 09:42*	*12/30/24 18:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3800**	**B**	840	290	mg/Kg	☼		01/08/25 11:48	50

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	ND		0.67	0.17	ug/Kg	☼	12/27/24 07:36	12/28/24 16:48	1
6:2 FTS	**1.4**		0.67	0.17	ug/Kg	☼	12/27/24 07:36	12/28/24 16:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 4:2 FTS	*82.8*		*40 - 165*	*12/27/24 07:36*	*12/28/24 16:48*	*1*
13C2 6:2 FTS	*137*		*40 - 215*	*12/27/24 07:36*	*12/28/24 16:48*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**11**		0.67	0.17	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
Perfluoropentanoic acid (PFPeA)	**9.2**		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
Perfluorohexanoic acid (PFHxA)	**19**		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
Perfluoroheptanoic acid (PFHpA)	**3.8**		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
Perfluorooctanoic acid (PFOA)	**15**		0.34	0.10	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1

Client: Eurofins MTS Consumer Product Testing US, Inc
Project/Site: Soil Analysis - 200010556 / 202409079

Job ID: 320-117836-1

Client Sample ID: 202409079-1
Date Collected: 12/17/24 00:00
Date Received: 12/18/24 10:00

Lab Sample ID: 320-117836-1
Matrix: Solid
Percent Solids: 29.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	**3.1**		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
Perfluorodecanoic acid (PFDA)	**7.6**		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
Perfluoroundecanoic acid (PFUnA)	**1.7**		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
Perfluorododecanoic acid (PFDoA)	**3.5**		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
Perfluorotridecanoic acid (PFTrDA)	**0.69**		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
Perfluorotetradecanoic acid (PFTeDA)	**1.3**		0.34	0.098	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
Perfluorobutanesulfonic acid (PFBS)	**9.7**		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
Perfluorohexanesulfonic acid (PFHxS)	**0.55**		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
Perfluorooctanesulfonic acid (PFOS)	**4.5**		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
Perfluorononanesulfonic acid (PFNS)	ND		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
Perfluorodecanesulfonic acid (PFDS)	**0.62**		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
8:2 FTS	**2.5**		0.67	0.17	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
Perfluorooctanesulfonamide (PFOSA)	**0.69**		0.34	0.11	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
NMeFOSA	ND		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
NEtFOSA	ND		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
NMeFOSAA	**11**		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
NEtFOSAA	**4.7**		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
NMeFOSE	**1.6**	**J**	1.7	0.42	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
NEtFOSE	**0.85**	**J**	1.7	0.42	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
HFPO-DA (GenX)	ND		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
PFMPA	ND		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
PFMBA	ND		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
NFDHA	ND		0.34	0.10	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
9Cl-PF3ONS	ND		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
11Cl-PF3OUdS	ND		0.34	0.13	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
PFEESA	ND		0.34	0.084	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
3:3 FTCA	**3.0**		0.67	0.17	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
5:3 FTCA	**96**		1.7	0.42	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1
7:3 FTCA	**38**		1.7	0.42	ug/Kg	☼	12/27/24 07:36	12/31/24 02:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*68.1*	**3*	*8 - 130*	*12/27/24 07:36*	*12/31/24 02:51*	*1*
13C5 PFPeA	*52.9*		*35 - 130*	*12/27/24 07:36*	*12/31/24 02:51*	*1*
13C5 PFHxA	*91.1*		*40 - 130*	*12/27/24 07:36*	*12/31/24 02:51*	*1*
13C4 PFHpA	*108*		*40 - 130*	*12/27/24 07:36*	*12/31/24 02:51*	*1*
13C8 PFOA	*80.5*		*40 - 130*	*12/27/24 07:36*	*12/31/24 02:51*	*1*

Client Sample ID: 202409079-1
Lab Sample ID: 320-117836-1
Date Collected: 12/17/24 00:00
Matrix: Solid
Date Received: 12/18/24 10:00
Percent Solids: 29.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C9 PFNA	77.4		40 - 130	12/27/24 07:36	12/31/24 02:51	1
13C6 PFDA	85.9		40 - 130	12/27/24 07:36	12/31/24 02:51	1
13C7 PFUnA	67.9		40 - 130	12/27/24 07:36	12/31/24 02:51	1
13C2 PFDoA	58.3		40 - 130	12/27/24 07:36	12/31/24 02:51	1
13C2 PFTeDA	48.7		20 - 130	12/27/24 07:36	12/31/24 02:51	1
13C3 PFBS	72.0		40 - 135	12/27/24 07:36	12/31/24 02:51	1
13C3 PFHxS	76.5		40 - 130	12/27/24 07:36	12/31/24 02:51	1
13C8 PFOS	82.7		40 - 130	12/27/24 07:36	12/31/24 02:51	1
13C8 FOSA	64.7		40 - 130	12/27/24 07:36	12/31/24 02:51	1
d3-NMeFOSAA	73.5		40 - 135	12/27/24 07:36	12/31/24 02:51	1
d5-NEtFOSAA	77.7		40 - 150	12/27/24 07:36	12/31/24 02:51	1
13C2 8:2 FTS	190		40 - 275	12/27/24 07:36	12/31/24 02:51	1
13C3 HFPO-DA	120		40 - 130	12/27/24 07:36	12/31/24 02:51	1
d7-N-MeFOSE-M	52.7		20 - 130	12/27/24 07:36	12/31/24 02:51	1
d9-N-EtFOSE-M	47.6		15 - 130	12/27/24 07:36	12/31/24 02:51	1
d5-NEtPFOSA	51.3		10 - 130	12/27/24 07:36	12/31/24 02:51	1
d3-NMePFOSA	51.0		10 - 130	12/27/24 07:36	12/31/24 02:51	1

Method: EPA 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**11**	**J B**	67	0.73	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-2	**27**	**J B**	67	0.73	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-3	**49**	**J B**	670	0.77	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-4	ND		67	10	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-5	ND		67	4.2	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-6	ND		67	3.8	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-7	ND		67	4.2	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-8	ND		67	3.7	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-9	ND		67	4.0	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-10	ND		67	5.5	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-11	**420**	**J B**	670	4.0	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-12	ND		130	3.9	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-13	ND		130	3.9	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-14	ND		67	4.0	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-15	**54**	**J**	67	3.0	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-16	**50**	**J**	67	2.3	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-17	**56**	**J**	67	2.1	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-18	**120**	**J**	130	1.5	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-19	**13**	**J**	67	2.8	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-20	**250**	**B**	200	8.4	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-21	**78**	**J**	130	9.5	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-22	**99**		67	8.6	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-23	ND		67	9.5	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-24	**2.9**	**J q**	67	1.6	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-25	**19**	**J**	67	8.1	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-26	**58**	**J**	130	8.7	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-27	**10**	**J**	67	1.4	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-28	**250**	**B**	200	8.4	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-29	**58**	**J**	130	8.7	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-30	**120**	**J**	130	1.5	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1

Client: Eurofins MTS Consumer Product Testing US, Inc
Project/Site: Soil Analysis - 200010556 / 202409079

Job ID: 320-117836-1

Client Sample ID: 202409079-1
Date Collected: 12/17/24 00:00
Date Received: 12/18/24 10:00

Lab Sample ID: 320-117836-1
Matrix: Solid
Percent Solids: 29.6

Method: EPA 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-31	240	B	67	9.0	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-32	38	J	67	1.4	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-33	78	J	130	9.5	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-34	ND		67	8.8	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-35	26	J	67	8.7	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-36	ND		67	9.2	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-37	97		67	7.9	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-38	ND		67	9.7	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-39	ND		67	8.6	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-40	220		130	16	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-41	ND		67	23	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-42	140		67	19	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-43	ND		67	19	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-44	750	B	200	16	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-45	68	J q	130	19	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-46	ND		67	23	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-47	750	B	200	16	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-48	73	B	67	19	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-49	500		130	16	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-50	74	J	130	19	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-51	68	J q	130	19	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-52	1200	B	67	17	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-53	74	J	130	19	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-54	4.6	J q	67	0.15	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-55	ND		67	5.2	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-56	240		67	5.6	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-57	ND		67	6.6	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-58	ND		67	5.0	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-59	47	J	200	14	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-60	120		67	6.3	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-61	1400		130	5.6	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-62	47	J	200	14	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-63	46	J	67	6.5	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-64	270		67	14	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-65	750	B	200	16	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-66	730		67	5.4	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-67	ND		67	5.3	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-68	41	J	67	5.7	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-69	500		130	16	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-70	1400		270	5.6	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-71	220		130	16	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-72	41	J q	67	6.6	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-73	ND		67	13	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-74	1400		270	5.6	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-75	47	J	200	14	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-76	1400		270	5.6	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-77	70		6.7	6.1	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-78	ND		67	6.2	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-79	27	J	67	5.4	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1

Client: Eurofins MTS Consumer Product Testing US, Inc
Project/Site: Soil Analysis - 200010556 / 202409079

Job ID: 320-117836-1

Client Sample ID: 202409079-1
Date Collected: 12/17/24 00:00
Date Received: 12/18/24 10:00

Lab Sample ID: 320-117836-1
Matrix: Solid
Percent Solids: 29.6

Method: EPA 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-80	13	J	67	5.2	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-81	ND		6.7	6.6	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-82	250		67	33	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-83	1500		130	32	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-84	690		67	38	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-85	370		200	25	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-86	1600		400	25	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-87	1600		400	25	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-88	200		130	34	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-89	ND		67	37	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-90	2600		200	28	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-91	200		130	34	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-92	500		67	32	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-93	ND		130	33	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-94	ND		67	38	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-95	2000		67	33	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-96	14	J	67	0.10	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-97	1600		400	25	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-98	ND		130	34	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-99	1500		130	32	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-100	ND		130	33	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-101	2600		200	28	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-102	ND		130	34	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-103	ND		67	31	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-104	8.1	J q	67	0.10	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-105	670	G	23	23	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-106	ND		67	24	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-107	200		130	21	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-108	57	J	130	23	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-109	1600		400	25	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-110	2900		130	23	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-111	ND		67	23	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-112	ND		67	21	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-113	2600		200	28	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-114	30	G q	24	24	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-115	2900		130	23	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-116	370		200	25	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-117	370		200	25	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-118	2200	G	22	22	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-119	1600		400	25	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-120	ND		67	18	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-121	ND		67	21	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-122	ND		67	26	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-123	34	G	25	25	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-124	57	J	130	23	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-125	1600		400	25	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-126	ND	G	24	24	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-127	ND		67	22	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-128	400		130	15	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1

Client: Eurofins MTS Consumer Product Testing US, Inc
Project/Site: Soil Analysis - 200010556 / 202409079

Job ID: 320-117836-1

Client Sample ID: 202409079-1
Date Collected: 12/17/24 00:00
Date Received: 12/18/24 10:00

Lab Sample ID: 320-117836-1
Matrix: Solid
Percent Solids: 29.6

Method: EPA 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-129	2400	B	270	15	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-130	160		67	19	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-131	37	J	67	19	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-132	900		67	19	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-133	36	J	67	18	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-134	140		130	19	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-135	730		130	17	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-136	280		67	13	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-137	130		67	17	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-138	2400	B	200	15	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-139	57	J	130	17	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-140	57	J	130	17	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-141	350		67	17	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-142	ND		67	19	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-143	140		130	19	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-144	96		67	16	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-145	ND		67	14	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-146	340		67	15	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-147	1700		130	16	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-148	ND		67	17	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-149	1700		130	16	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-150	ND		67	13	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-151	730		130	17	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-152	ND		67	13	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-153	1800		130	13	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-154	ND		67	16	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-155	90		67	12	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-156	260	G q	30	30	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-157	260	G q	30	30	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-158	240		67	12	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-159	ND		67	20	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-160	2400	B	270	15	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-161	ND		67	13	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-162	ND		67	23	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-163	2400	B	270	15	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-164	190		67	14	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-165	ND		67	14	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-166	400		130	15	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-167	85	G	20	20	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-168	1800		130	13	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-169	ND	G	23	23	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-170	440		67	10	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-171	140		130	9.6	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-172	89		67	10	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-173	140		130	9.6	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-174	490		67	9.3	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-175	19	J	67	0.76	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-176	68		67	0.61	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-177	250		67	8.8	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1

Client Sample ID: 202409079-1
Lab Sample ID: 320-117836-1
Date Collected: 12/17/24 00:00
Matrix: Solid
Date Received: 12/18/24 10:00
Percent Solids: 29.6

Method: EPA 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-178	110		67	0.79	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-179	190		67	0.53	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-180	1000		130	7.7	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-181	ND		67	9.4	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-182	6.5	J q	67	0.76	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-183	270		67	7.9	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-184	140		67	0.54	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-185	52	J	67	10	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-186	1.5	J	67	0.49	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-187	570		67	0.65	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-188	5.5	J	67	0.51	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-189	16		6.7	3.3	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-190	65	J	67	6.5	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-191	17	J	67	6.9	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-192	ND		67	6.5	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-193	1000		130	7.7	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-194	270		67	2.2	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-195	75		67	2.3	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-196	160		67	1.2	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-197	19	J	67	0.82	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-198	360		130	1.0	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-199	360		130	1.0	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-200	45	J	67	0.88	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-201	54	J	67	0.91	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-202	95		67	0.72	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-203	190		67	0.96	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-204	6.1	J q	67	0.85	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-205	7.2	J q	67	2.3	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-206	160		67	11	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-207	18	J q	67	8.3	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-208	51	J	67	8.4	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1
PCB-209	47	J	67	0.34	pg/g	☼	12/26/24 11:03	01/04/25 21:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*50*		*5 - 145*	*12/26/24 11:03*	*01/04/25 21:03*	*1*
PCB-3L	*54*		*5 - 145*	*12/26/24 11:03*	*01/04/25 21:03*	*1*
PCB-4L	*47*		*5 - 145*	*12/26/24 11:03*	*01/04/25 21:03*	*1*
PCB-15L	*63*		*5 - 145*	*12/26/24 11:03*	*01/04/25 21:03*	*1*
PCB-19L	*50*		*5 - 145*	*12/26/24 11:03*	*01/04/25 21:03*	*1*
PCB-37L	*79*		*5 - 145*	*12/26/24 11:03*	*01/04/25 21:03*	*1*
PCB-54L	*57*		*5 - 145*	*12/26/24 11:03*	*01/04/25 21:03*	*1*
PCB-77L	*77*		*10 - 145*	*12/26/24 11:03*	*01/04/25 21:03*	*1*
PCB-81L	*79*		*10 - 145*	*12/26/24 11:03*	*01/04/25 21:03*	*1*
PCB-104L	*62*		*10 - 145*	*12/26/24 11:03*	*01/04/25 21:03*	*1*
PCB-105L	*70*		*10 - 145*	*12/26/24 11:03*	*01/04/25 21:03*	*1*
PCB-114L	*74*		*10 - 145*	*12/26/24 11:03*	*01/04/25 21:03*	*1*
PCB-118L	*72*		*10 - 145*	*12/26/24 11:03*	*01/04/25 21:03*	*1*
PCB-123L	*71*		*10 - 145*	*12/26/24 11:03*	*01/04/25 21:03*	*1*
PCB-126L	*71*		*10 - 145*	*12/26/24 11:03*	*01/04/25 21:03*	*1*
PCB-155L	*64*		*10 - 145*	*12/26/24 11:03*	*01/04/25 21:03*	*1*

Client Sample ID: 202409079-1
Lab Sample ID: 320-117836-1
Date Collected: 12/17/24 00:00
Matrix: Solid
Date Received: 12/18/24 10:00
Percent Solids: 29.6

Method: EPA 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-156L	78		10 - 145	12/26/24 11:03	01/04/25 21:03	1
PCB-156L/157L	78		10 - 145	12/26/24 11:03	01/04/25 21:03	1
PCB-157L	78		10 - 145	12/26/24 11:03	01/04/25 21:03	1
PCB-167L	76		10 - 145	12/26/24 11:03	01/04/25 21:03	1
PCB-169L	77		10 - 145	12/26/24 11:03	01/04/25 21:03	1
PCB-188L	55		10 - 145	12/26/24 11:03	01/04/25 21:03	1
PCB-189L	72		10 - 145	12/26/24 11:03	01/04/25 21:03	1
PCB-202L	67		10 - 145	12/26/24 11:03	01/04/25 21:03	1
PCB-205L	75		10 - 145	12/26/24 11:03	01/04/25 21:03	1
PCB-206L	68		10 - 145	12/26/24 11:03	01/04/25 21:03	1
PCB-208L	62		10 - 145	12/26/24 11:03	01/04/25 21:03	1
PCB-209L	57	q	10 - 145	12/26/24 11:03	01/04/25 21:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	84		5 - 145	12/26/24 11:03	01/04/25 21:03	1
PCB-111L	85		10 - 145	12/26/24 11:03	01/04/25 21:03	1
PCB-178L	70	q	10 - 145	12/26/24 11:03	01/04/25 21:03	1

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.6	J	10	6.6	mg/Kg	☼	12/21/24 07:04	12/26/24 13:32	2
Barium	280		6.8	1.0	mg/Kg	☼	12/21/24 07:04	12/26/24 13:32	2
Cadmium	0.74	J	1.4	0.52	mg/Kg	☼	12/21/24 07:04	12/26/24 13:32	2
Chromium	34		3.4	1.8	mg/Kg	☼	12/21/24 07:04	12/26/24 13:32	2
Lead	17		6.8	4.5	mg/Kg	☼	12/21/24 07:04	12/26/24 13:32	2
Selenium	ND		10	5.3	mg/Kg	☼	12/21/24 07:04	12/26/24 13:32	2
Silver	3.3	J	6.8	1.4	mg/Kg	☼	12/21/24 07:04	12/26/24 13:32	2

Method: SW846 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.22	J	0.27	0.075	mg/Kg	☼	12/26/24 10:57	12/26/24 16:38	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	70		0.10	0.10	%			12/23/24 13:12	1
Percent Solids (EPA Moisture)	30		0.10	0.10	%			12/23/24 13:12	1

Surrogate Summary

Client: Eurofins MTS Consumer Product Testing US, Inc
Job ID: 320-117836-1
Project/Site: Soil Analysis - 200010556 / 202409079

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(10-134)	(14-142)	(10-123)	(10-129)	(10-120)	(31-139)
320-117836-1	202409079-1	57	56	55	61	63	63
LCS 570-517702/2-A	Lab Control Sample	81	66	78	66	88	80
LCSD 570-517702/3-A	Lab Control Sample Dup	85	69	81	68	92	82
MB 570-517702/1-A	Method Blank	77	63	74	72	77	72

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		PCB28L	PCB111L	PCB178L
Lab Sample ID	Client Sample ID	(5-145)	(10-145)	(10-145)
320-117836-1	202409079-1	84	85	70 q
MB 320-824283/1-A	Method Blank	77	78	73

Surrogate Legend

PCB28L = PCB-28L
PCB111L = PCB-111L
PCB178L = PCB-178L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		PCB28L	PCB111L	PCB178L
Lab Sample ID	Client Sample ID	(15-145)	(40-145)	(40-145)
LCS 320-824283/2-A	Lab Control Sample	52	61	59
LCSD 320-824283/3-A	Lab Control Sample Dup	66	69	65

Surrogate Legend

PCB28L = PCB-28L
PCB111L = PCB-111L
PCB178L = PCB-178L

Isotope Dilution Summary

Client: Eurofins MTS Consumer Product Testing US, Inc
Job ID: 320-117836-1
Project/Site: Soil Analysis - 200010556 / 202409079

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M242FTS	M262FTS						
Lab Sample ID	Client Sample ID	(40-165)	(40-215)						
320-117836-1	202409079-1	82.8	137						
LCS 320-824473/3-A	Lab Control Sample	42.3	39.4 *5-						
LCSD 320-824473/4-A	Lab Control Sample Dup	31.1 *5-	30.4 *5-						
LLCS 320-824473/2-A	Lab Control Sample	65.2	66.8						
MB 320-824473/1-A	Method Blank	71.4	74.6						

Surrogate Legend

M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(8-130)	(35-130)	(40-130)	(40-130)	(40-130)	(40-130)	(40-130)	(40-130)
320-117836-1 - RA	202409079-1	68.1 *3	52.9	91.1	108	80.5	77.4	85.9	67.9
LCS 320-824473/3-A - RA	Lab Control Sample	101	95.8	105	106	105	93.9	94.8	80.3
LCSD 320-824473/4-A - RA	Lab Control Sample Dup	101	93.5	110	107	107	97.1	98.8	82.1
LLCS 320-824473/2-A - RA	Lab Control Sample	64.5	57.2	74.0	72.5	76.8	68.6	71.9	66.8
MB 320-824473/1-A - RA	Method Blank	62.4	65.2	75.0	71.8	73.4	64.3	60.8	47.8

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFDoA	PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS
Lab Sample ID	Client Sample ID	(40-130)	(20-130)	(40-135)	(40-130)	(40-130)	(40-130)	(40-135)	(40-150)
320-117836-1 - RA	202409079-1	58.3	48.7	72.0	76.5	82.7	64.7	73.5	77.7
LCS 320-824473/3-A - RA	Lab Control Sample	61.5	58.8	95.6	91.6	84.7	66.9	102	93.6
LCSD 320-824473/4-A - RA	Lab Control Sample Dup	67.3	61.1	98.8	96.0	85.9	65.7	98.5	93.3
LLCS 320-824473/2-A - RA	Lab Control Sample	59.2	51.0	76.0	71.8	65.1	53.5	75.2	74.6
MB 320-824473/1-A - RA	Method Blank	37.8 *5-	35.5	75.3	70.8	60.1	40.9	57.7	52.1

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA		
Lab Sample ID	Client Sample ID	(40-275)	(40-130)	(20-130)	(15-130)	(10-130)	(10-130)		
320-117836-1 - RA	202409079-1	190	120	52.7	47.6	51.3	51.0		
LCS 320-824473/3-A - RA	Lab Control Sample	113	97.7	45.4	44.1	47.8	48.1		
LCSD 320-824473/4-A - RA	Lab Control Sample Dup	106	99.3	45.2	42.1	46.8	48.1		
LLCS 320-824473/2-A - RA	Lab Control Sample	85.7	63.1	39.9	38.9	34.4	34.4		
MB 320-824473/1-A - RA	Method Blank	74.1	65.4	28.8	26.3	34.1	35.0		

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS

C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB1L	PCB3L	PCB4L	PCB15L	PCB19L	PCB37L	PCB54L	PCB77L
Lab Sample ID	Client Sample ID	(5-145)	(5-145)	(5-145)	(5-145)	(5-145)	(5-145)	(5-145)	(10-145)
320-117836-1	202409079-1	50	54	47	63	50	79	57	77
MB 320-824283/1-A	Method Blank	55	53	46	51	45	58	47	62

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB81L	PCB104L	PCB105L	PCB114L	PCB118L	PCB123L	PCB126L	PCB155L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)
320-117836-1	202409079-1	79	62	70	74	72	71	71	64
MB 320-824283/1-A	Method Blank	62	45	61	60	61	59	64	56

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB156L	156157L	PCB157L	PCB167L	PCB169L	PCB188L	PCB189L	PCB202L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)
320-117836-1	202409079-1	78	78	78	76	77	55	72	67
MB 320-824283/1-A	Method Blank	73	73	73	72	76	50	75	66

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB205L	PCB206L	PCB208L	PCB209L				
Lab Sample ID	Client Sample ID	(10-145)	(10-145)	(10-145)	(10-145)				
320-117836-1	202409079-1	75	68	62	57 q				
MB 320-824283/1-A	Method Blank	75	71	71	71				

Surrogate Legend

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
PCB114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB156L = PCB-156L
156157L = PCB-156L/157L
PCB157L = PCB-157L

PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB1L	PCB3L	PCB4L	PCB15L	PCB19L	PCB37L	PCB54L	PCB77L
Lab Sample ID	Client Sample ID	(15-145)	(15-145)	(15-145)	(15-145)	(15-145)	(15-145)	(15-145)	(40-145)
LCS 320-824283/2-A	Lab Control Sample	49	49	43	50	45	59	48	66
LCSD 320-824283/3-A	Lab Control Sample Dup	50	53	47	56	49	63	53	69

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB81L	PCB104L	PCB105L	PCB114L	PCB118L	PCB123L	PCB126L	PCB155L
Lab Sample ID	Client Sample ID	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)
LCS 320-824283/2-A	Lab Control Sample	61	48	65	60	64	62	69	44
LCSD 320-824283/3-A	Lab Control Sample Dup	66	51	68	63	66	64	71	59

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB156L	156157L	PCB157L	PCB167L	PCB169L	PCB188L	PCB189L	PCB202L
Lab Sample ID	Client Sample ID	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)
LCS 320-824283/2-A	Lab Control Sample	83	83	83	80	87	46	86	65
LCSD 320-824283/3-A	Lab Control Sample Dup	83	83	83	81	85	57	84	73

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB205L	PCB206L	PCB208L	PCB209L				
Lab Sample ID	Client Sample ID	(40-145)	(40-145)	(40-145)	(40-145)				
LCS 320-824283/2-A	Lab Control Sample	83	83	66	56				
LCSD 320-824283/3-A	Lab Control Sample Dup	79	77	75	72				

Surrogate Legend

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
PCB114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB156L = PCB-156L
156157L = PCB-156L/157L
PCB157L = PCB-157L
PCB167L = PCB-167L
PCB169L = PCB-169L

Isotope Dilution Summary

Client: Eurofins MTS Consumer Product Testing US, Inc
Job ID: 320-117836-1
Project/Site: Soil Analysis - 200010556 / 202409079

PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 570-517697/5-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 517615
Prep Batch: 517697

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.28	ug/Kg		12/26/24 08:33	12/26/24 10:17	1
Trichloroethene	ND		2.0	0.39	ug/Kg		12/26/24 08:33	12/26/24 10:17	1

Lab Sample ID: LCS 570-517697/1-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 517615
Prep Batch: 517697

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	51.2		ug/Kg		102	77 - 120
Trichloroethene	50.0	53.4		ug/Kg		107	80 - 127

Lab Sample ID: LCSD 570-517697/2-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 517615
Prep Batch: 517697

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dichloroethane	50.0	48.3		ug/Kg		97	77 - 120	6	20
Trichloroethene	50.0	50.0		ug/Kg		100	80 - 127	7	20

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

Lab Sample ID: MB 570-517702/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 518682
Prep Batch: 517702

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.50	0.078	mg/Kg		12/26/24 09:41	12/30/24 13:12	1
Benzo[a]anthracene	ND		0.50	0.083	mg/Kg		12/26/24 09:41	12/30/24 13:12	1
Benzo[k]fluoranthene	ND		0.50	0.095	mg/Kg		12/26/24 09:41	12/30/24 13:12	1
Benzo[g,h,i]perylene	ND		0.50	0.089	mg/Kg		12/26/24 09:41	12/30/24 13:12	1
Benzo[a]pyrene	ND		0.50	0.10	mg/Kg		12/26/24 09:41	12/30/24 13:12	1
Bis(2-ethylhexyl) phthalate	ND		0.50	0.22	mg/Kg		12/26/24 09:41	12/30/24 13:12	1
Butyl benzyl phthalate	ND		0.50	0.24	mg/Kg		12/26/24 09:41	12/30/24 13:12	1
Chrysene	ND		0.50	0.083	mg/Kg		12/26/24 09:41	12/30/24 13:12	1
Di-n-butyl phthalate	ND		0.50	0.11	mg/Kg		12/26/24 09:41	12/30/24 13:12	1
Diethyl phthalate	ND		0.50	0.12	mg/Kg		12/26/24 09:41	12/30/24 13:12	1
Dimethyl phthalate	ND		0.50	0.098	mg/Kg		12/26/24 09:41	12/30/24 13:12	1
2,4-Dinitrotoluene	ND		0.50	0.081	mg/Kg		12/26/24 09:41	12/30/24 13:12	1
Di-n-octyl phthalate	ND		0.50	0.23	mg/Kg		12/26/24 09:41	12/30/24 13:12	1
Fluoranthene	ND		0.50	0.095	mg/Kg		12/26/24 09:41	12/30/24 13:12	1
Nitrobenzene	ND		2.0	0.14	mg/Kg		12/26/24 09:41	12/30/24 13:12	1
Phenanthrene	ND		0.50	0.072	mg/Kg		12/26/24 09:41	12/30/24 13:12	1
Pyrene	ND		0.50	0.10	mg/Kg		12/26/24 09:41	12/30/24 13:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*10 - 134*	*12/26/24 09:41*	*12/30/24 13:12*	*1*
2-Fluorobiphenyl (Surr)	*63*		*14 - 142*	*12/26/24 09:41*	*12/30/24 13:12*	*1*
2-Fluorophenol (Surr)	*74*		*10 - 123*	*12/26/24 09:41*	*12/30/24 13:12*	*1*
Nitrobenzene-d5 (Surr)	*72*		*10 - 129*	*12/26/24 09:41*	*12/30/24 13:12*	*1*

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

Lab Sample ID: MB 570-517702/1-A
Matrix: Solid
Analysis Batch: 518682

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517702

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d6 (Surr)	77		10 - 120	12/26/24 09:41	12/30/24 13:12	1
p-Terphenyl-d14 (Surr)	72		31 - 139	12/26/24 09:41	12/30/24 13:12	1

Lab Sample ID: LCS 570-517702/2-A
Matrix: Solid
Analysis Batch: 518682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517702

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	5.00	4.36		mg/Kg		87	30 - 149
Benzo[a]anthracene	5.00	4.47		mg/Kg		89	27 - 156
Benzo[k]fluoranthene	5.00	4.28		mg/Kg		86	35 - 159
Benzo[g,h,i]perylene	5.00	3.84		mg/Kg		77	30 - 156
Benzo[a]pyrene	5.00	4.38		mg/Kg		88	36 - 157
Bis(2-ethylhexyl) phthalate	5.00	5.08		mg/Kg		102	23 - 166
Butyl benzyl phthalate	5.00	4.95		mg/Kg		99	18 - 170
Chrysene	5.00	4.23		mg/Kg		85	28 - 145
Di-n-butyl phthalate	5.00	4.77		mg/Kg		95	27 - 152
Diethyl phthalate	5.00	4.67		mg/Kg		93	26 - 151
Dimethyl phthalate	5.00	4.37		mg/Kg		87	27 - 150
2,4-Dinitrotoluene	5.00	4.43		mg/Kg		89	28 - 166
Di-n-octyl phthalate	5.00	5.09		mg/Kg		102	40 - 178
Fluoranthene	5.00	4.60		mg/Kg		92	33 - 156
Nitrobenzene	5.00	3.85		mg/Kg		77	17 - 136
Phenanthrene	5.00	4.24		mg/Kg		85	29 - 144
Pyrene	5.00	4.55		mg/Kg		91	17 - 156

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	81		10 - 134
2-Fluorobiphenyl (Surr)	66		14 - 142
2-Fluorophenol (Surr)	78		10 - 123
Nitrobenzene-d5 (Surr)	66		10 - 129
Phenol-d6 (Surr)	88		10 - 120
p-Terphenyl-d14 (Surr)	80		31 - 139

Lab Sample ID: LCSD 570-517702/3-A
Matrix: Solid
Analysis Batch: 518682

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517702

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Anthracene	5.00	4.49		mg/Kg		90	30 - 149	3	24
Benzo[a]anthracene	5.00	4.66		mg/Kg		93	27 - 156	4	24
Benzo[k]fluoranthene	5.00	4.45		mg/Kg		89	35 - 159	4	22
Benzo[g,h,i]perylene	5.00	4.05		mg/Kg		81	30 - 156	5	25
Benzo[a]pyrene	5.00	4.44		mg/Kg		89	36 - 157	1	21
Bis(2-ethylhexyl) phthalate	5.00	5.31		mg/Kg		106	23 - 166	4	27
Butyl benzyl phthalate	5.00	5.11		mg/Kg		102	18 - 170	3	29
Chrysene	5.00	4.42		mg/Kg		88	28 - 145	4	21
Di-n-butyl phthalate	5.00	4.89		mg/Kg		98	27 - 152	2	27

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

Lab Sample ID: LCSD 570-517702/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 518682
Prep Batch: 517702

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diethyl phthalate			5.00	4.73		mg/Kg		95	26 - 151	1	26
Dimethyl phthalate			5.00	4.51		mg/Kg		90	27 - 150	3	24
2,4-Dinitrotoluene			5.00	4.76		mg/Kg		95	28 - 166	7	27
Di-n-octyl phthalate			5.00	5.31		mg/Kg		106	40 - 178	4	21
Fluoranthene			5.00	4.68		mg/Kg		94	33 - 156	2	26
Nitrobenzene			5.00	4.03		mg/Kg		81	17 - 136	5	30
Phenanthrene			5.00	4.33		mg/Kg		87	29 - 144	2	23
Pyrene			5.00	4.68		mg/Kg		94	17 - 156	3	27

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*85*		*10 - 134*
2-Fluorobiphenyl (Surr)	*69*		*14 - 142*
2-Fluorophenol (Surr)	*81*		*10 - 123*
Nitrobenzene-d5 (Surr)	*68*		*10 - 129*
Phenol-d6 (Surr)	*92*		*10 - 120*
p-Terphenyl-d14 (Surr)	*82*		*31 - 139*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 320-826343/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Soluble
Analysis Batch: 826451

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.78	J	5.0	1.7	mg/Kg			01/08/25 11:13	1

Lab Sample ID: LCS 320-826343/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Soluble
Analysis Batch: 826451

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			37.5	38.3		mg/Kg		102	85 - 115		

Lab Sample ID: 320-117836-1 MS
Client Sample ID: 202409079-1
Matrix: Solid
Prep Type: Soluble
Analysis Batch: 826451

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3800	B	84.0	3630	4	mg/Kg	☼	-203	85 - 115		

Lab Sample ID: 320-117836-1 MSD
Client Sample ID: 202409079-1
Matrix: Solid
Prep Type: Soluble
Analysis Batch: 826451

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3800	B	84.3	3510	4	mg/Kg	☼	-340	85 - 115	3	15

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 320-824473/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 824731
Prep Batch: 824473

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	ND		0.40	0.10	ug/Kg		12/27/24 07:36	12/28/24 15:25	1
6:2 FTS	ND		0.40	0.10	ug/Kg		12/27/24 07:36	12/28/24 15:25	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 4:2 FTS	*71.4*		*40 - 165*	*12/27/24 07:36*	*12/28/24 15:25*	*1*
13C2 6:2 FTS	*74.6*		*40 - 215*	*12/27/24 07:36*	*12/28/24 15:25*	*1*

Lab Sample ID: LCS 320-824473/3-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 824731
Prep Batch: 824473

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
4:2 FTS			4.69	4.02		ug/Kg		86	60 - 150		
6:2 FTS			4.76	4.25		ug/Kg		89	55 - 200		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C2 4:2 FTS	*42.3*		*40 - 165*
13C2 6:2 FTS	*39.4*	**5-*	*40 - 215*

Lab Sample ID: LCSD 320-824473/4-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 824731
Prep Batch: 824473

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4:2 FTS			4.69	4.48		ug/Kg		96	60 - 150	11	30
6:2 FTS			4.76	4.00		ug/Kg		84	55 - 200	6	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C2 4:2 FTS	*31.1*	**5-*	*40 - 165*
13C2 6:2 FTS	*30.4*	**5-*	*40 - 215*

Lab Sample ID: LLCS 320-824473/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 824731
Prep Batch: 824473

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
4:2 FTS			0.750	0.730		ug/Kg		97	60 - 150		
6:2 FTS			0.762	0.696		ug/Kg		91	55 - 200		

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C2 4:2 FTS	*65.2*		*40 - 165*
13C2 6:2 FTS	*66.8*		*40 - 215*

Client: Eurofins MTS Consumer Product Testing US, Inc
Project/Site: Soil Analysis - 200010556 / 202409079

Job ID: 320-117836-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA

Lab Sample ID: MB 320-824473/1-A
Matrix: Solid
Analysis Batch: 824964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 824473

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA) - RA	ND		0.40	0.10	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluoropentanoic acid (PFPeA) - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluorohexanoic acid (PFHxA) - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluoroheptanoic acid (PFHpA) - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluorooctanoic acid (PFOA) - RA	ND		0.20	0.062	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluorononanoic acid (PFNA) - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluorodecanoic acid (PFDA) - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluoroundecanoic acid (PFUnA) - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluorododecanoic acid (PFDoA) - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluorotridecanoic acid (PFTrDA) - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluorotetradecanoic acid (PFTeDA) - RA	ND		0.20	0.058	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluorobutanesulfonic acid (PFBS) - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluoropentanesulfonic acid (PFPeS) - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluorohexanesulfonic acid (PFHxS) - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluoroheptanesulfonic acid (PFHpS) - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluorooctanesulfonic acid (PFOS) - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluorononanesulfonic acid (PFNS) - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluorodecanesulfonic acid (PFDS) - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluorododecanesulfonic acid (PFDoS) - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
8:2 FTS - RA	ND		0.40	0.10	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
Perfluorooctanesulfonamide (PFOSA) - RA	ND		0.20	0.063	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
NMeFOSA - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
NEtFOSA - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
NMeFOSAA - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
NEtFOSAA - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
NMeFOSE - RA	ND		1.0	0.25	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
NEtFOSE - RA	ND		1.0	0.25	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
HFPO-DA (GenX) - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA) - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
PFMPA - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
PFMBA - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
NFDHA - RA	ND		0.20	0.062	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
9Cl-PF3ONS - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
11Cl-PF3OUdS - RA	ND		0.20	0.075	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
PFEESA - RA	ND		0.20	0.050	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
3:3 FTCA - RA	ND		0.40	0.10	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
5:3 FTCA - RA	ND		1.0	0.25	ug/Kg		12/27/24 07:36	12/31/24 01:28	1
7:3 FTCA - RA	ND		1.0	0.25	ug/Kg		12/27/24 07:36	12/31/24 01:28	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA (Continued)

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA - RA	62.4		8 - 130	12/27/24 07:36	12/31/24 01:28	1
13C5 PFPeA - RA	65.2		35 - 130	12/27/24 07:36	12/31/24 01:28	1
13C5 PFHxA - RA	75.0		40 - 130	12/27/24 07:36	12/31/24 01:28	1
13C4 PFHpA - RA	71.8		40 - 130	12/27/24 07:36	12/31/24 01:28	1
13C8 PFOA - RA	73.4		40 - 130	12/27/24 07:36	12/31/24 01:28	1
13C9 PFNA - RA	64.3		40 - 130	12/27/24 07:36	12/31/24 01:28	1
13C6 PFDA - RA	60.8		40 - 130	12/27/24 07:36	12/31/24 01:28	1
13C7 PFUnA - RA	47.8		40 - 130	12/27/24 07:36	12/31/24 01:28	1
13C2 PFDoA - RA	37.8	*5-	40 - 130	12/27/24 07:36	12/31/24 01:28	1
13C2 PFTeDA - RA	35.5		20 - 130	12/27/24 07:36	12/31/24 01:28	1
13C3 PFBS - RA	75.3		40 - 135	12/27/24 07:36	12/31/24 01:28	1
13C3 PFHxS - RA	70.8		40 - 130	12/27/24 07:36	12/31/24 01:28	1
13C8 PFOS - RA	60.1		40 - 130	12/27/24 07:36	12/31/24 01:28	1
13C8 FOSA - RA	40.9		40 - 130	12/27/24 07:36	12/31/24 01:28	1
d3-NMeFOSAA - RA	57.7		40 - 135	12/27/24 07:36	12/31/24 01:28	1
d5-NEtFOSAA - RA	52.1		40 - 150	12/27/24 07:36	12/31/24 01:28	1
13C2 8:2 FTS - RA	74.1		40 - 275	12/27/24 07:36	12/31/24 01:28	1
13C3 HFPO-DA - RA	65.4		40 - 130	12/27/24 07:36	12/31/24 01:28	1
d7-N-MeFOSE-M - RA	28.8		20 - 130	12/27/24 07:36	12/31/24 01:28	1
d9-N-EtFOSE-M - RA	26.3		15 - 130	12/27/24 07:36	12/31/24 01:28	1
d5-NEtPFOSA - RA	34.1		10 - 130	12/27/24 07:36	12/31/24 01:28	1
d3-NMePFOSA - RA	35.0		10 - 130	12/27/24 07:36	12/31/24 01:28	1

Lab Sample ID: LCS 320-824473/3-A
Matrix: Solid
Analysis Batch: 824964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 824473

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA) - RA	5.00	4.59		ug/Kg		92	70 - 140
Perfluoropentanoic acid (PFPeA) - RA	2.50	2.62		ug/Kg		105	60 - 150
Perfluorohexanoic acid (PFHxA) - RA	2.50	2.16		ug/Kg		86	65 - 140
Perfluoroheptanoic acid (PFHpA) - RA	2.50	2.38		ug/Kg		95	65 - 145
Perfluorooctanoic acid (PFOA) - RA	2.50	2.38		ug/Kg		95	70 - 150
Perfluorononanoic acid (PFNA) - RA	2.50	2.42		ug/Kg		97	70 - 155
Perfluorodecanoic acid (PFDA) - RA	2.50	2.33		ug/Kg		93	70 - 155
Perfluoroundecanoic acid (PFUnA) - RA	2.50	2.31		ug/Kg		93	70 - 155
Perfluorododecanoic acid (PFDoA) - RA	2.50	2.48		ug/Kg		99	70 - 150
Perfluorotridecanoic acid (PFTrDA) - RA	2.50	2.56		ug/Kg		103	65 - 150
Perfluorotetradecanoic acid (PFTeDA) - RA	2.50	2.57		ug/Kg		103	65 - 150
Perfluorobutanesulfonic acid (PFBS) - RA	2.22	1.81		ug/Kg		81	65 - 145
Perfluoropentanesulfonic acid (PFPeS) - RA	2.35	2.46		ug/Kg		105	55 - 160

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA (Continued)

Lab Sample ID: LCS 320-824473/3-A
Matrix: Solid
Analysis Batch: 824964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 824473

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanesulfonic acid (PFHxS) - RA	2.28	2.21		ug/Kg		97	60 - 150
Perfluoroheptanesulfonic acid (PFHpS) - RA	2.39	2.36		ug/Kg		99	65 - 155
Perfluorooctanesulfonic acid (PFOS) - RA	2.33	2.19		ug/Kg		94	65 - 160
Perfluorononanesulfonic acid (PFNS) - RA	2.41	2.37		ug/Kg		98	55 - 140
Perfluorodecanesulfonic acid (PFDS) - RA	2.41	1.79		ug/Kg		74	40 - 155
Perfluorododecanesulfonic acid (PFDoS) - RA	2.43	1.66		ug/Kg		68	25 - 160
8:2 FTS - RA	4.80	4.70		ug/Kg		98	70 - 150
Perfluorooctanesulfonamide (PFOSA) - RA	2.50	2.33		ug/Kg		93	70 - 140
NMeFOSA - RA	2.50	2.51		ug/Kg		100	70 - 155
NEtFOSA - RA	2.50	2.43		ug/Kg		97	70 - 140
NMeFOSAA - RA	2.50	2.63		ug/Kg		105	65 - 155
NEtFOSAA - RA	2.50	2.29		ug/Kg		91	65 - 165
NMeFOSE - RA	12.5	12.6		ug/Kg		101	70 - 140
NEtFOSE - RA	12.5	12.0		ug/Kg		96	70 - 135
HFPO-DA (GenX) - RA	1.88	1.81		ug/Kg		96	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA) - RA	2.37	2.31		ug/Kg		98	70 - 160
PFMPA - RA	2.50	2.80		ug/Kg		112	30 - 140
PFMBA - RA	2.50	2.69		ug/Kg		107	60 - 150
NFDHA - RA	2.50	2.28		ug/Kg		91	60 - 155
9Cl-PF3ONS - RA	2.34	2.02		ug/Kg		86	70 - 150
11Cl-PF3OUdS - RA	2.36	1.49		ug/Kg		63	45 - 160
PFEESA - RA	2.23	1.90		ug/Kg		85	70 - 140
3:3 FTCA - RA	5.00	6.17		ug/Kg		123	45 - 130
5:3 FTCA - RA	12.5	14.3		ug/Kg		114	60 - 130
7:3 FTCA - RA	12.5	12.0		ug/Kg		96	60 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA - RA	*101*		*8 - 130*
13C5 PFPeA - RA	*95.8*		*35 - 130*
13C5 PFHxA - RA	*105*		*40 - 130*
13C4 PFHpA - RA	*106*		*40 - 130*
13C8 PFOA - RA	*105*		*40 - 130*
13C9 PFNA - RA	*93.9*		*40 - 130*
13C6 PFDA - RA	*94.8*		*40 - 130*
13C7 PFUnA - RA	*80.3*		*40 - 130*
13C2 PFDoA - RA	*61.5*		*40 - 130*
13C2 PFTeDA - RA	*58.8*		*20 - 130*
13C3 PFBS - RA	*95.6*		*40 - 135*
13C3 PFHxS - RA	*91.6*		*40 - 130*
13C8 PFOS - RA	*84.7*		*40 - 130*
13C8 FOSA - RA	*66.9*		*40 - 130*
d3-NMeFOSAA - RA	*102*		*40 - 135*
d5-NEtFOSAA - RA	*93.6*		*40 - 150*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA (Continued)

Lab Sample ID: LCS 320-824473/3-A
Matrix: Solid
Analysis Batch: 824964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 824473

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C2 8:2 FTS - RA	*113*		*40 - 275*
13C3 HFPO-DA - RA	*97.7*		*40 - 130*
d7-N-MeFOSE-M - RA	*45.4*		*20 - 130*
d9-N-EtFOSE-M - RA	*44.1*		*15 - 130*
d5-NEtPFOSA - RA	*47.8*		*10 - 130*
d3-NMePFOSA - RA	*48.1*		*10 - 130*

Lab Sample ID: LCSD 320-824473/4-A
Matrix: Solid
Analysis Batch: 824964

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 824473

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA) - RA			5.00	4.86		ug/Kg		97	70 - 140	6	30
Perfluoropentanoic acid (PFPeA) - RA			2.50	2.73		ug/Kg		109	60 - 150	4	30
Perfluorohexanoic acid (PFHxA) - RA			2.50	2.24		ug/Kg		90	65 - 140	4	30
Perfluoroheptanoic acid (PFHpA) - RA			2.50	2.43		ug/Kg		97	65 - 145	2	30
Perfluorooctanoic acid (PFOA) - RA			2.50	2.39		ug/Kg		96	70 - 150	1	30
Perfluorononanoic acid (PFNA) - RA			2.50	2.40		ug/Kg		96	70 - 155	1	30
Perfluorodecanoic acid (PFDA) - RA			2.50	2.38		ug/Kg		95	70 - 155	2	30
Perfluoroundecanoic acid (PFUnA) - RA			2.50	2.44		ug/Kg		98	70 - 155	5	30
Perfluorododecanoic acid (PFDoA) - RA			2.50	2.53		ug/Kg		101	70 - 150	2	30
Perfluorotridecanoic acid (PFTrDA) - RA			2.50	2.63		ug/Kg		105	65 - 150	3	30
Perfluorotetradecanoic acid (PFTeDA) - RA			2.50	2.68		ug/Kg		107	65 - 150	4	30
Perfluorobutanesulfonic acid (PFBS) - RA			2.22	1.86		ug/Kg		84	65 - 145	3	30
Perfluoropentanesulfonic acid (PFPeS) - RA			2.35	2.40		ug/Kg		102	55 - 160	2	30
Perfluorohexanesulfonic acid (PFHxS) - RA			2.28	2.20		ug/Kg		96	60 - 150	1	30
Perfluoroheptanesulfonic acid (PFHpS) - RA			2.39	2.50		ug/Kg		105	65 - 155	6	30
Perfluorooctanesulfonic acid (PFOS) - RA			2.33	2.24		ug/Kg		96	65 - 160	2	30
Perfluorononanesulfonic acid (PFNS) - RA			2.41	2.43		ug/Kg		101	55 - 140	3	30
Perfluorodecanesulfonic acid (PFDS) - RA			2.41	1.88		ug/Kg		78	40 - 155	5	30
Perfluorododecanesulfonic acid (PFDoS) - RA			2.43	1.78		ug/Kg		74	25 - 160	7	30
8:2 FTS - RA			4.80	4.76		ug/Kg		99	70 - 150	1	30
Perfluorooctanesulfonamide (PFOSA) - RA			2.50	2.37		ug/Kg		95	70 - 140	2	30
NMeFOSA - RA			2.50	2.60		ug/Kg		104	70 - 155	3	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA (Continued)

Lab Sample ID: LCSD 320-824473/4-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 824964
Prep Batch: 824473

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
NEtFOSA - RA			2.50	2.60		ug/Kg		104	70 - 140	7	30
NMeFOSAA - RA			2.50	2.73		ug/Kg		109	65 - 155	4	30
NEtFOSAA - RA			2.50	2.35		ug/Kg		94	65 - 165	3	30
NMeFOSE - RA			12.5	12.2		ug/Kg		98	70 - 140	4	30
NEtFOSE - RA			12.5	12.2		ug/Kg		98	70 - 135	2	30
HFPO-DA (GenX) - RA			1.88	1.89		ug/Kg		101	70 - 145	4	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA) - RA			2.37	2.22		ug/Kg		94	70 - 160	4	30
PFMPA - RA			2.50	2.95		ug/Kg		118	30 - 140	5	30
PFMBA - RA			2.50	2.77		ug/Kg		111	60 - 150	3	30
NFDHA - RA			2.50	2.64		ug/Kg		105	60 - 155	14	30
9Cl-PF3ONS - RA			2.34	2.05		ug/Kg		88	70 - 150	2	30
11Cl-PF3OUdS - RA			2.36	1.56		ug/Kg		66	45 - 160	5	30
PFEESA - RA			2.23	1.81		ug/Kg		81	70 - 140	5	30
3:3 FTCA - RA			5.00	6.37		ug/Kg		127	45 - 130	3	30
5:3 FTCA - RA			12.5	13.1		ug/Kg		105	60 - 130	9	30
7:3 FTCA - RA			12.5	10.7		ug/Kg		86	60 - 150	11	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA - RA	*101*		*8 - 130*
13C5 PFPeA - RA	*93.5*		*35 - 130*
13C5 PFHxA - RA	*110*		*40 - 130*
13C4 PFHpA - RA	*107*		*40 - 130*
13C8 PFOA - RA	*107*		*40 - 130*
13C9 PFNA - RA	*97.1*		*40 - 130*
13C6 PFDA - RA	*98.8*		*40 - 130*
13C7 PFUnA - RA	*82.1*		*40 - 130*
13C2 PFDoA - RA	*67.3*		*40 - 130*
13C2 PFTeDA - RA	*61.1*		*20 - 130*
13C3 PFBS - RA	*98.8*		*40 - 135*
13C3 PFHxS - RA	*96.0*		*40 - 130*
13C8 PFOS - RA	*85.9*		*40 - 130*
13C8 FOSA - RA	*65.7*		*40 - 130*
d3-NMeFOSAA - RA	*98.5*		*40 - 135*
d5-NEtFOSAA - RA	*93.3*		*40 - 150*
13C2 8:2 FTS - RA	*106*		*40 - 275*
13C3 HFPO-DA - RA	*99.3*		*40 - 130*
d7-N-MeFOSE-M - RA	*45.2*		*20 - 130*
d9-N-EtFOSE-M - RA	*42.1*		*15 - 130*
d5-NEtPFOSA - RA	*46.8*		*10 - 130*
d3-NMePFOSA - RA	*48.1*		*10 - 130*

Lab Sample ID: LLCS 320-824473/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 824964
Prep Batch: 824473

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorobutanoic acid (PFBA) - RA			0.800	0.824		ug/Kg		103	70 - 140		

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA (Continued)

Lab Sample ID: LLCS 320-824473/2-A
Matrix: Solid
Analysis Batch: 824964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 824473

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanoic acid (PFPeA) - RA	0.400	0.471		ug/Kg		118	60 - 150
Perfluorohexanoic acid (PFHxA) - RA	0.400	0.385		ug/Kg		96	65 - 140
Perfluoroheptanoic acid (PFHpA) - RA	0.400	0.391		ug/Kg		98	65 - 145
Perfluorooctanoic acid (PFOA) - RA	0.400	0.380		ug/Kg		95	70 - 150
Perfluorononanoic acid (PFNA) - RA	0.400	0.387		ug/Kg		97	70 - 155
Perfluorodecanoic acid (PFDA) - RA	0.400	0.412		ug/Kg		103	70 - 155
Perfluoroundecanoic acid (PFUnA) - RA	0.400	0.399		ug/Kg		100	70 - 155
Perfluorododecanoic acid (PFDoA) - RA	0.400	0.428		ug/Kg		107	70 - 150
Perfluorotridecanoic acid (PFTrDA) - RA	0.400	0.465		ug/Kg		116	65 - 150
Perfluorotetradecanoic acid (PFTeDA) - RA	0.400	0.472		ug/Kg		118	65 - 150
Perfluorobutanesulfonic acid (PFBS) - RA	0.355	0.316		ug/Kg		89	65 - 145
Perfluoropentanesulfonic acid (PFPeS) - RA	0.376	0.409		ug/Kg		109	55 - 160
Perfluorohexanesulfonic acid (PFHxS) - RA	0.365	0.362		ug/Kg		99	60 - 150
Perfluoroheptanesulfonic acid (PFHpS) - RA	0.382	0.416		ug/Kg		109	65 - 155
Perfluorooctanesulfonic acid (PFOS) - RA	0.372	0.381		ug/Kg		102	65 - 160
Perfluorononanesulfonic acid (PFNS) - RA	0.385	0.420		ug/Kg		109	55 - 140
Perfluorodecanesulfonic acid (PFDS) - RA	0.386	0.374		ug/Kg		97	40 - 155
Perfluorododecanesulfonic acid (PFDoS) - RA	0.388	0.388		ug/Kg		100	25 - 160
8:2 FTS - RA	0.768	0.755		ug/Kg		98	70 - 150
Perfluorooctanesulfonamide (PFOSA) - RA	0.400	0.373		ug/Kg		93	70 - 140
NMeFOSA - RA	0.400	0.423		ug/Kg		106	70 - 155
NEtFOSA - RA	0.400	0.406		ug/Kg		101	70 - 140
NMeFOSAA - RA	0.400	0.426		ug/Kg		106	65 - 155
NEtFOSAA - RA	0.400	0.371		ug/Kg		93	65 - 165
NMeFOSE - RA	2.00	1.92		ug/Kg		96	70 - 140
NEtFOSE - RA	2.00	2.01		ug/Kg		101	70 - 135
HFPO-DA (GenX) - RA	0.300	0.294		ug/Kg		98	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA) - RA	0.378	0.392		ug/Kg		104	70 - 160
PFMPA - RA	0.400	0.474		ug/Kg		118	30 - 140
PFMBA - RA	0.400	0.483		ug/Kg		121	60 - 150
NFDHA - RA	0.400	0.427		ug/Kg		107	60 - 155
9Cl-PF3ONS - RA	0.374	0.410		ug/Kg		110	70 - 150
11Cl-PF3OUdS - RA	0.378	0.384		ug/Kg		102	45 - 160
PFEESA - RA	0.357	0.332		ug/Kg		93	70 - 140

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA (Continued)

Lab Sample ID: LLCS 320-824473/2-A
Matrix: Solid
Analysis Batch: 824964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 824473

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
3:3 FTCA - RA			0.800	1.01		ug/Kg		126	45 - 130		
5:3 FTCA - RA			2.00	2.03		ug/Kg		102	60 - 130		
7:3 FTCA - RA			2.00	1.76		ug/Kg		88	60 - 150		

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA - RA	*64.5*		*8 - 130*
13C5 PFPeA - RA	*57.2*		*35 - 130*
13C5 PFHxA - RA	*74.0*		*40 - 130*
13C4 PFHpA - RA	*72.5*		*40 - 130*
13C8 PFOA - RA	*76.8*		*40 - 130*
13C9 PFNA - RA	*68.6*		*40 - 130*
13C6 PFDA - RA	*71.9*		*40 - 130*
13C7 PFUnA - RA	*66.8*		*40 - 130*
13C2 PFDoA - RA	*59.2*		*40 - 130*
13C2 PFTeDA - RA	*51.0*		*20 - 130*
13C3 PFBS - RA	*76.0*		*40 - 135*
13C3 PFHxS - RA	*71.8*		*40 - 130*
13C8 PFOS - RA	*65.1*		*40 - 130*
13C8 FOSA - RA	*53.5*		*40 - 130*
d3-NMeFOSAA - RA	*75.2*		*40 - 135*
d5-NEtFOSAA - RA	*74.6*		*40 - 150*
13C2 8:2 FTS - RA	*85.7*		*40 - 275*
13C3 HFPO-DA - RA	*63.1*		*40 - 130*
d7-N-MeFOSE-M - RA	*39.9*		*20 - 130*
d9-N-EtFOSE-M - RA	*38.9*		*15 - 130*
d5-NEtPFOSA - RA	*34.4*		*10 - 130*
d3-NMePFOSA - RA	*34.4*		*10 - 130*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Lab Sample ID: MB 320-824283/1-A
Matrix: Solid
Analysis Batch: 825773

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 824283

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.514	J q	20	0.10	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-2	0.520	J	20	0.11	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-3	2.28	J	200	0.11	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-4	ND		20	1.0	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-5	ND		20	0.50	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-6	ND		20	0.45	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-7	ND		20	0.50	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-8	ND		20	0.44	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-9	ND		20	0.48	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-10	ND		20	0.69	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-11	4.17	J	200	0.48	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-12	ND		40	0.46	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-13	ND		40	0.46	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-14	ND		20	0.48	pg/g		12/26/24 11:03	01/04/25 17:42	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-824283/1-A
Matrix: Solid
Analysis Batch: 825773

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 824283

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-15	ND		20	0.38	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-16	ND		20	0.37	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-17	ND		20	0.34	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-18	ND		40	0.24	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-19	ND		20	0.38	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-20	0.528	J	60	0.25	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-21	ND		40	0.28	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-22	ND		20	0.26	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-23	ND		20	0.28	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-24	ND		20	0.25	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-25	ND		20	0.24	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-26	ND		40	0.26	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-27	ND		20	0.22	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-28	0.528	J	60	0.25	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-29	ND		40	0.26	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-30	ND		40	0.24	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-31	0.477	J q	20	0.27	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-32	ND		20	0.23	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-33	ND		40	0.28	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-34	ND		20	0.26	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-35	ND		20	0.26	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-36	ND		20	0.27	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-37	ND		20	0.25	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-38	ND		20	0.29	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-39	ND		20	0.26	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-40	ND		40	0.13	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-41	ND		20	0.18	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-42	ND		20	0.15	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-43	ND		20	0.15	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-44	0.955	J q	60	0.12	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-45	ND		40	0.15	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-46	ND		20	0.18	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-47	0.955	J q	60	0.12	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-48	0.153	J q	20	0.15	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-49	ND		40	0.12	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-50	ND		40	0.15	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-51	ND		40	0.15	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-52	0.487	J q	20	0.13	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-53	ND		40	0.15	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-54	ND		20	0.025	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-55	ND		20	0.16	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-56	ND		20	0.18	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-57	ND		20	0.21	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-58	ND		20	0.16	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-59	ND		60	0.11	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-60	ND		20	0.20	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-61	ND		40	0.18	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-62	ND		60	0.11	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-63	ND		20	0.20	pg/g		12/26/24 11:03	01/04/25 17:42	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-824283/1-A
Matrix: Solid
Analysis Batch: 825773

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 824283

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-64	ND		20	0.11	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-65	0.955	J q	60	0.12	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-66	ND		20	0.17	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-67	ND		20	0.17	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-68	ND		20	0.18	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-69	ND		40	0.12	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-70	ND		80	0.18	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-71	ND		40	0.13	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-72	ND		20	0.21	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-73	ND		20	0.098	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-74	ND		80	0.18	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-75	ND		60	0.11	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-76	ND		80	0.18	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-77	ND		2.0	0.19	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-78	ND		20	0.20	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-79	ND		20	0.17	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-80	ND		20	0.16	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-81	ND		2.0	0.21	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-82	ND		20	0.21	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-83	ND		40	0.20	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-84	ND		20	0.24	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-85	ND		60	0.16	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-86	ND		120	0.16	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-87	ND		120	0.16	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-88	ND		40	0.21	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-89	ND		20	0.23	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-90	ND		60	0.17	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-91	ND		40	0.21	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-92	ND		20	0.20	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-93	ND		40	0.20	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-94	ND		20	0.23	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-95	ND		20	0.20	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-96	ND		20	0.0082	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-97	ND		120	0.16	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-98	ND		40	0.21	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-99	ND		40	0.20	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-100	ND		40	0.20	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-101	ND		60	0.17	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-102	ND		40	0.21	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-103	ND		20	0.19	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-104	ND		20	0.0090	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-105	ND		4.0	0.13	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-106	ND		20	0.15	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-107	ND		40	0.13	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-108	ND		40	0.14	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-109	ND		120	0.16	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-110	ND		40	0.14	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-111	ND		20	0.14	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-112	ND		20	0.13	pg/g		12/26/24 11:03	01/04/25 17:42	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-824283/1-A
Matrix: Solid
Analysis Batch: 825773

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 824283

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-113	ND		60	0.17	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-114	ND		2.0	0.14	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-115	ND		40	0.14	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-116	ND		60	0.16	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-117	ND		60	0.16	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-118	ND		4.0	0.13	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-119	ND		120	0.16	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-120	ND		20	0.11	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-121	ND		20	0.13	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-122	ND		20	0.16	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-123	ND		2.0	0.15	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-124	ND		40	0.14	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-125	ND		120	0.16	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-126	ND		2.0	0.14	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-127	ND		20	0.14	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-128	ND		40	0.073	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-129	0.477	J	80	0.075	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-130	ND		20	0.096	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-131	ND		20	0.096	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-132	ND		20	0.096	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-133	ND		20	0.091	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-134	ND		40	0.093	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-135	ND		40	0.087	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-136	ND		20	0.064	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-137	ND		20	0.086	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-138	0.477	J	60	0.075	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-139	ND		40	0.083	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-140	ND		40	0.083	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-141	ND		20	0.085	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-142	ND		20	0.093	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-143	ND		40	0.093	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-144	ND		20	0.080	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-145	ND		20	0.068	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-146	ND		20	0.073	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-147	ND		40	0.081	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-148	ND		20	0.084	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-149	ND		40	0.081	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-150	ND		20	0.067	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-151	ND		40	0.087	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-152	ND		20	0.065	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-153	ND		40	0.064	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-154	ND		20	0.078	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-155	ND		20	0.064	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-156	ND		4.0	0.32	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-157	ND		4.0	0.32	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-158	ND		20	0.058	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-159	ND		20	0.21	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-160	0.477	J	80	0.075	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-161	ND		20	0.066	pg/g		12/26/24 11:03	01/04/25 17:42	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-824283/1-A
Matrix: Solid
Analysis Batch: 825773

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 824283

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-162	ND		20	0.24	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-163	0.477	J	80	0.075	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-164	ND		20	0.070	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-165	ND		20	0.068	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-166	ND		40	0.073	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-167	ND		2.0	0.20	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-168	ND		40	0.064	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-169	ND		2.0	0.23	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-170	ND		20	0.34	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-171	ND		40	0.33	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-172	ND		20	0.35	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-173	ND		40	0.33	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-174	ND		20	0.31	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-175	ND		20	0.079	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-176	ND		20	0.064	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-177	ND		20	0.30	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-178	ND		20	0.082	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-179	ND		20	0.055	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-180	ND		40	0.26	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-181	ND		20	0.32	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-182	ND		20	0.079	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-183	ND		20	0.27	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-184	ND		20	0.056	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-185	ND		20	0.34	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-186	ND		20	0.051	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-187	ND		20	0.068	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-188	ND		20	0.057	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-189	ND		2.0	0.30	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-190	ND		20	0.22	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-191	ND		20	0.23	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-192	ND		20	0.22	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-193	ND		40	0.26	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-194	ND		20	0.15	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-195	ND		20	0.16	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-196	ND		20	0.15	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-197	ND		20	0.11	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-198	ND		40	0.13	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-199	ND		40	0.13	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-200	ND		20	0.11	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-201	ND		20	0.12	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-202	ND		20	0.092	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-203	ND		20	0.12	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-204	ND		20	0.11	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-205	ND		20	0.16	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-206	ND		20	1.8	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-207	ND		20	1.3	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-208	ND		20	1.3	pg/g		12/26/24 11:03	01/04/25 17:42	1
PCB-209	ND		20	0.048	pg/g		12/26/24 11:03	01/04/25 17:42	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-1L	55		5 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-3L	53		5 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-4L	46		5 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-15L	51		5 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-19L	45		5 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-37L	58		5 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-54L	47		5 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-77L	62		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-81L	62		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-104L	45		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-105L	61		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-114L	60		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-118L	61		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-123L	59		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-126L	64		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-155L	56		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-156L	73		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-156L/157L	73		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-157L	73		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-167L	72		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-169L	76		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-188L	50		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-189L	75		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-202L	66		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-205L	75		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-206L	71		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-208L	71		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-209L	71		10 - 145	12/26/24 11:03	01/04/25 17:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	77		5 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-111L	78		10 - 145	12/26/24 11:03	01/04/25 17:42	1
PCB-178L	73		10 - 145	12/26/24 11:03	01/04/25 17:42	1

Lab Sample ID: LCS 320-824283/2-A
Matrix: Solid
Analysis Batch: 825773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 824283

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1			200	196		pg/g		98	60 - 135		
PCB-3			200	203		pg/g		102	60 - 135		
PCB-4			200	206		pg/g		103	60 - 135		
PCB-15			200	189		pg/g		95	60 - 135		
PCB-19			200	199		pg/g		100	60 - 135		
PCB-37			200	212		pg/g		106	60 - 135		
PCB-54			200	229		pg/g		114	60 - 135		
PCB-77			200	217		pg/g		109	60 - 135		
PCB-81			200	252		pg/g		126	60 - 135		
PCB-104			200	249		pg/g		124	60 - 135		
PCB-105			200	214		pg/g		107	60 - 135		
PCB-114			200	234		pg/g		117	60 - 135		

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-824283/2-A
Matrix: Solid
Analysis Batch: 825773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 824283

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-118			200	209		pg/g		105	60 - 135		
PCB-123			200	238		pg/g		119	60 - 135		
PCB-126			200	224		pg/g		112	60 - 135		
PCB-155			200	261		pg/g		130	60 - 135		
PCB-156			400	438		pg/g		109	60 - 135		
PCB-157			400	438		pg/g		109	60 - 135		
PCB-167			200	224		pg/g		112	60 - 135		
PCB-169			200	212		pg/g		106	60 - 135		
PCB-188			200	232		pg/g		116	60 - 135		
PCB-189			200	232		pg/g		116	60 - 135		
PCB-202			200	224		pg/g		112	60 - 135		
PCB-205			200	234		pg/g		117	60 - 135		
PCB-206			200	180		pg/g		90	60 - 135		
PCB-208			200	199		pg/g		99	60 - 135		
PCB-209			200	206		pg/g		103	60 - 135		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-1L	*49*		*15 - 145*
PCB-3L	*49*		*15 - 145*
PCB-4L	*43*		*15 - 145*
PCB-15L	*50*		*15 - 145*
PCB-19L	*45*		*15 - 145*
PCB-37L	*59*		*15 - 145*
PCB-54L	*48*		*15 - 145*
PCB-77L	*66*		*40 - 145*
PCB-81L	*61*		*40 - 145*
PCB-104L	*48*		*40 - 145*
PCB-105L	*65*		*40 - 145*
PCB-114L	*60*		*40 - 145*
PCB-118L	*64*		*40 - 145*
PCB-123L	*62*		*40 - 145*
PCB-126L	*69*		*40 - 145*
PCB-155L	*44*		*40 - 145*
PCB-156L	*83*		*40 - 145*
PCB-156L/157L	*83*		*40 - 145*
PCB-157L	*83*		*40 - 145*
PCB-167L	*80*		*40 - 145*
PCB-169L	*87*		*40 - 145*
PCB-188L	*46*		*40 - 145*
PCB-189L	*86*		*40 - 145*
PCB-202L	*65*		*40 - 145*
PCB-205L	*83*		*40 - 145*
PCB-206L	*83*		*40 - 145*
PCB-208L	*66*		*40 - 145*
PCB-209L	*56*		*40 - 145*

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-28L	*52*		*15 - 145*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-824283/2-A
Matrix: Solid
Analysis Batch: 825773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 824283

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-111L	*61*		*40 - 145*
PCB-178L	*59*		*40 - 145*

Lab Sample ID: LCSD 320-824283/3-A
Matrix: Solid
Analysis Batch: 825773

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 824283

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1			200	202		pg/g		101	60 - 135	3	50
PCB-3			200	208		pg/g		104	60 - 135	2	50
PCB-4			200	202		pg/g		101	60 - 135	2	50
PCB-15			200	192		pg/g		96	60 - 135	2	50
PCB-19			200	203		pg/g		102	60 - 135	2	50
PCB-37			200	218		pg/g		109	60 - 135	3	50
PCB-54			200	224		pg/g		112	60 - 135	2	50
PCB-77			200	222		pg/g		111	60 - 135	2	50
PCB-81			200	255		pg/g		128	60 - 135	1	50
PCB-104			200	260		pg/g		130	60 - 135	4	50
PCB-105			200	211		pg/g		106	60 - 135	1	50
PCB-114			200	238		pg/g		119	60 - 135	2	50
PCB-118			200	225		pg/g		113	60 - 135	7	50
PCB-123			200	249		pg/g		125	60 - 135	5	50
PCB-126			200	233		pg/g		116	60 - 135	4	50
PCB-155			200	269		pg/g		135	60 - 135	3	50
PCB-156			400	448		pg/g		112	60 - 135	2	50
PCB-157			400	448		pg/g		112	60 - 135	2	50
PCB-167			200	227		pg/g		113	60 - 135	1	50
PCB-169			200	218		pg/g		109	60 - 135	3	50
PCB-188			200	229		pg/g		114	60 - 135	1	50
PCB-189			200	236		pg/g		118	60 - 135	2	50
PCB-202			200	222		pg/g		111	60 - 135	1	50
PCB-205			200	236		pg/g		118	60 - 135	1	50
PCB-206			200	195		pg/g		97	60 - 135	8	50
PCB-208			200	216		pg/g		108	60 - 135	8	50
PCB-209			200	225		pg/g		112	60 - 135	9	50

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-1L	*50*		*15 - 145*
PCB-3L	*53*		*15 - 145*
PCB-4L	*47*		*15 - 145*
PCB-15L	*56*		*15 - 145*
PCB-19L	*49*		*15 - 145*
PCB-37L	*63*		*15 - 145*
PCB-54L	*53*		*15 - 145*
PCB-77L	*69*		*40 - 145*
PCB-81L	*66*		*40 - 145*
PCB-104L	*51*		*40 - 145*
PCB-105L	*68*		*40 - 145*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 320-824283/3-A
Matrix: Solid
Analysis Batch: 825773

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 824283

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
PCB-114L	63		40 - 145
PCB-118L	66		40 - 145
PCB-123L	64		40 - 145
PCB-126L	71		40 - 145
PCB-155L	59		40 - 145
PCB-156L	83		40 - 145
PCB-156L/157L	83		40 - 145
PCB-157L	83		40 - 145
PCB-167L	81		40 - 145
PCB-169L	85		40 - 145
PCB-188L	57		40 - 145
PCB-189L	84		40 - 145
PCB-202L	73		40 - 145
PCB-205L	79		40 - 145
PCB-206L	77		40 - 145
PCB-208L	75		40 - 145
PCB-209L	72		40 - 145

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
PCB-28L	66		15 - 145
PCB-111L	69		40 - 145
PCB-178L	65		40 - 145

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-516712/1-A ^2
Matrix: Solid
Analysis Batch: 517843

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 516712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.9	1.9	mg/Kg		12/21/24 07:04	12/26/24 12:42	2
Barium	ND		2.0	0.29	mg/Kg		12/21/24 07:04	12/26/24 12:42	2
Cadmium	ND		0.39	0.15	mg/Kg		12/21/24 07:04	12/26/24 12:42	2
Chromium	ND		0.98	0.52	mg/Kg		12/21/24 07:04	12/26/24 12:42	2
Lead	ND		2.0	1.3	mg/Kg		12/21/24 07:04	12/26/24 12:42	2
Selenium	ND		2.9	1.5	mg/Kg		12/21/24 07:04	12/26/24 12:42	2
Silver	ND		2.0	0.42	mg/Kg		12/21/24 07:04	12/26/24 12:42	2

Lab Sample ID: LCS 570-516712/2-A ^2
Matrix: Solid
Analysis Batch: 517843

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 516712

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	202	187		mg/Kg		93	80 - 120
Barium	202	201		mg/Kg		99	80 - 120
Cadmium	202	194		mg/Kg		96	80 - 120
Chromium	202	202		mg/Kg		100	80 - 120
Lead	202	198		mg/Kg		98	80 - 120
Selenium	202	168		mg/Kg		83	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-516712/2-A ^2
Matrix: Solid
Analysis Batch: 517843

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 516712

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Silver			101	99.0		mg/Kg		98	80 - 120		

Lab Sample ID: LCSD 570-516712/3-A ^2
Matrix: Solid
Analysis Batch: 517843

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 516712

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			203	188		mg/Kg		93	80 - 120	0	20
Barium			203	200		mg/Kg		98	80 - 120	0	20
Cadmium			203	194		mg/Kg		96	80 - 120	0	20
Chromium			203	202		mg/Kg		99	80 - 120	0	20
Lead			203	198		mg/Kg		97	80 - 120	0	20
Selenium			203	167		mg/Kg		82	80 - 120	1	20
Silver			102	98.7		mg/Kg		97	80 - 120	0	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-517740/1-A
Matrix: Solid
Analysis Batch: 517973

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517740

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.089	0.024	mg/Kg		12/26/24 10:57	12/26/24 16:26	1

Lab Sample ID: LCS 570-517740/2-A
Matrix: Solid
Analysis Batch: 517973

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517740

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.400	0.465		mg/Kg		116	80 - 120		

Lab Sample ID: LCSD 570-517740/3-A
Matrix: Solid
Analysis Batch: 517973

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517740

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.392	0.431		mg/Kg		110	80 - 120	8	10

GC/MS VOA

Analysis Batch: 517615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-117836-1	202409079-1	Total/NA	Solid	8260D	517697
MB 570-517697/5-A	Method Blank	Total/NA	Solid	8260D	517697
LCS 570-517697/1-A	Lab Control Sample	Total/NA	Solid	8260D	517697
LCSD 570-517697/2-A	Lab Control Sample Dup	Total/NA	Solid	8260D	517697

Prep Batch: 517697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-117836-1	202409079-1	Total/NA	Solid	5030C	
MB 570-517697/5-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-517697/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-517697/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	

GC/MS Semi VOA

Prep Batch: 517702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-117836-1	202409079-1	Total/NA	Solid	3546	
MB 570-517702/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-517702/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-517702/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 518682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-117836-1	202409079-1	Total/NA	Solid	8270C	517702
MB 570-517702/1-A	Method Blank	Total/NA	Solid	8270C	517702
LCS 570-517702/2-A	Lab Control Sample	Total/NA	Solid	8270C	517702
LCSD 570-517702/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	517702

HPLC/IC

Leach Batch: 826343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-117836-1	202409079-1	Soluble	Solid	DI Leach	
MB 320-826343/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 320-826343/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
320-117836-1 MS	202409079-1	Soluble	Solid	DI Leach	
320-117836-1 MSD	202409079-1	Soluble	Solid	DI Leach	

Analysis Batch: 826451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-117836-1	202409079-1	Soluble	Solid	300.0	826343
MB 320-826343/1-A	Method Blank	Soluble	Solid	300.0	826343
LCS 320-826343/2-A	Lab Control Sample	Soluble	Solid	300.0	826343
320-117836-1 MS	202409079-1	Soluble	Solid	300.0	826343
320-117836-1 MSD	202409079-1	Soluble	Solid	300.0	826343

LCMS

Prep Batch: 824473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-117836-1	202409079-1	Total/NA	Solid	1633 Shake	
320-117836-1 - RA	202409079-1	Total/NA	Solid	1633 Shake	

LCMS (Continued)

Prep Batch: 824473 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-824473/1-A	Method Blank	Total/NA	Solid	1633 Shake	
MB 320-824473/1-A - RA	Method Blank	Total/NA	Solid	1633 Shake	
LCS 320-824473/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LCS 320-824473/3-A - RA	Lab Control Sample	Total/NA	Solid	1633 Shake	
LCSD 320-824473/4-A	Lab Control Sample Dup	Total/NA	Solid	1633 Shake	
LCSD 320-824473/4-A - RA	Lab Control Sample Dup	Total/NA	Solid	1633 Shake	
LLCS 320-824473/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 320-824473/2-A - RA	Lab Control Sample	Total/NA	Solid	1633 Shake	

Analysis Batch: 824731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-117836-1	202409079-1	Total/NA	Solid	1633	824473
MB 320-824473/1-A	Method Blank	Total/NA	Solid	1633	824473
LCS 320-824473/3-A	Lab Control Sample	Total/NA	Solid	1633	824473
LCSD 320-824473/4-A	Lab Control Sample Dup	Total/NA	Solid	1633	824473
LLCS 320-824473/2-A	Lab Control Sample	Total/NA	Solid	1633	824473

Analysis Batch: 824964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-117836-1 - RA	202409079-1	Total/NA	Solid	1633	824473
MB 320-824473/1-A - RA	Method Blank	Total/NA	Solid	1633	824473
LCS 320-824473/3-A - RA	Lab Control Sample	Total/NA	Solid	1633	824473
LCSD 320-824473/4-A - RA	Lab Control Sample Dup	Total/NA	Solid	1633	824473
LLCS 320-824473/2-A - RA	Lab Control Sample	Total/NA	Solid	1633	824473

Specialty Organics

Prep Batch: 824283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-117836-1	202409079-1	Total/NA	Solid	HRMS-Sox	
MB 320-824283/1-A	Method Blank	Total/NA	Solid	HRMS-Sox	
LCS 320-824283/2-A	Lab Control Sample	Total/NA	Solid	HRMS-Sox	
LCSD 320-824283/3-A	Lab Control Sample Dup	Total/NA	Solid	HRMS-Sox	

Analysis Batch: 825773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-117836-1	202409079-1	Total/NA	Solid	1668C	824283
MB 320-824283/1-A	Method Blank	Total/NA	Solid	1668C	824283
LCS 320-824283/2-A	Lab Control Sample	Total/NA	Solid	1668C	824283
LCSD 320-824283/3-A	Lab Control Sample Dup	Total/NA	Solid	1668C	824283

Metals

Prep Batch: 516712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-117836-1	202409079-1	Total/NA	Solid	3051A	
MB 570-516712/1-A ^2	Method Blank	Total/NA	Solid	3051A	
LCS 570-516712/2-A ^2	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 570-516712/3-A ^2	Lab Control Sample Dup	Total/NA	Solid	3051A	

Client: Eurofins MTS Consumer Product Testing US, Inc
Job ID: 320-117836-1
Project/Site: Soil Analysis - 200010556 / 202409079

Metals

Prep Batch: 517740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-117836-1	202409079-1	Total/NA	Solid	7471A	
MB 570-517740/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-517740/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-517740/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Analysis Batch: 517843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-117836-1	202409079-1	Total/NA	Solid	6010B	516712
MB 570-516712/1-A ^2	Method Blank	Total/NA	Solid	6010B	516712
LCS 570-516712/2-A ^2	Lab Control Sample	Total/NA	Solid	6010B	516712
LCSD 570-516712/3-A ^2	Lab Control Sample Dup	Total/NA	Solid	6010B	516712

Analysis Batch: 517973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-117836-1	202409079-1	Total/NA	Solid	7471A	517740
MB 570-517740/1-A	Method Blank	Total/NA	Solid	7471A	517740
LCS 570-517740/2-A	Lab Control Sample	Total/NA	Solid	7471A	517740
LCSD 570-517740/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	517740

General Chemistry

Analysis Batch: 824050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-117836-1	202409079-1	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Eurofins MTS Consumer Product Testing US, Inc
Project/Site: Soil Analysis - 200010556 / 202409079

Job ID: 320-117836-1

Client Sample ID: 202409079-1

Date Collected: 12/17/24 00:00
Date Received: 12/18/24 10:00

Lab Sample ID: 320-117836-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			824050	12/23/24 13:12	CFR	EET SAC

Client Sample ID: 202409079-1

Date Collected: 12/17/24 00:00
Date Received: 12/18/24 10:00

Lab Sample ID: 320-117836-1

Matrix: Solid
Percent Solids: 29.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.10 g	5 mL	517697	12/26/24 08:33	AJ4K	EET CAL 4
Total/NA	Analysis	8260D		1	5 g	5 mL	517615	12/26/24 13:03	AJ4K	EET CAL 4
Total/NA	Prep	3546			5.80 g	2 mL	517702	12/26/24 09:42	XG8M	EET CAL 4
Total/NA	Analysis	8270C		1	1 mL	1 mL	518682	12/30/24 18:41	ULLI	EET CAL 4
Soluble	Leach	DI Leach			10.05 g	50.00 mL	826343	01/07/25 16:25	CFR	EET SAC
Soluble	Analysis	300.0		50	10 mL	10 mL	826451	01/08/25 11:48	JCB	EET SAC
Total/NA	Prep	1633 Shake			4.00 g	5.0 mL	824473	12/27/24 07:36	MNS	EET SAC
Total/NA	Analysis	1633		1			824731	12/28/24 16:48	GWO	EET SAC
Total/NA	Prep	1633 Shake	RA		4.00 g	5.0 mL	824473	12/27/24 07:36	MNS	EET SAC
Total/NA	Analysis	1633	RA	1			824964	12/31/24 02:51	RS1	EET SAC
Total/NA	Prep	HRMS-Sox			10.09 g	20.0 uL	824283	12/26/24 11:03	BLR	EET SAC
Total/NA	Analysis	1668C		1	1 uL	1 uL	825773	01/04/25 21:03	KT	EET SAC
Total/NA	Prep	3051A			0.4995 g	50 mL	516712	12/21/24 07:04	JP8N	EET CAL 4
Total/NA	Analysis	6010B		2			517843	12/26/24 13:32	P1R	EET CAL 4
Total/NA	Prep	7471A			0.52 g	50 mL	517740	12/26/24 10:57	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			517973	12/26/24 16:38	BG9Y	EET CAL 4

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Eurofins MTS Consumer Product Testing US, Inc
Job ID: 320-117836-1
Project/Site: Soil Analysis - 200010556 / 202409079

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-27
ANAB	Dept. of Defense ELAP	L2468	01-20-27
ANAB	Dept. of Energy	L2468.01	01-20-27
ANAB	ISO/IEC 17025	L2468	01-20-27
Arizona	State	AZ0708	08-11-25
Arkansas DEQ	State	88-0691	05-18-25
California	State	2897	01-31-26
Colorado	State	CA00044	08-31-25
Florida	NELAP	E87570	06-30-25
Georgia	State	4040	01-29-25
Hawaii	State	Eurofins Sacramento	01-29-25
Illinois	NELAP	200060	03-31-25
Kansas	NELAP	E-10375	10-31-25
Louisiana	NELAP	01944	06-30-25
Louisiana (All)	NELAP	01944	06-30-25
Maine	State	CA00004	04-14-26
Michigan	State	9947	01-29-25
Minnesota	NELAP	2749448	12-31-25
Nevada	State	CA00044	07-31-25
New Hampshire	NELAP	2997	04-19-25
New Jersey	NELAP	CA005	06-30-25
New York	NELAP	11666	04-01-25
Ohio	State	41252	01-29-25
Oregon	NELAP	4040	01-29-25
Texas	NELAP	T104704399-23-17	05-31-25
US Fish & Wildlife	US Federal Programs	A22139	04-30-25
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-28-25
Virginia	NELAP	460278	03-14-25
Washington	State	C581	05-05-25
West Virginia (DW)	State	9930C	01-31-25
Wisconsin	State	998204680	08-31-25
Wyoming	State Program	8TMS-L	01-28-19 *

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0830	11-16-25
Arkansas DEQ	State	88-01672	07-02-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	State	3082	07-31-25
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	07-31-25
Oregon	NELAP	4175	02-02-25
USDA	US Federal Programs	525-23-159-97150	06-08-26
Washington	State	C916	10-11-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Eurofins MTS Consumer Product Testing US, Inc
Job ID: 320-117836-1
Project/Site: Soil Analysis - 200010556 / 202409079

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CAL 4
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	EET CAL 4
300.0	Anions, Ion Chromatography	EPA	EET SAC
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET SAC
1668C	Chlorinated Biphenyl Congeners (HRGC/HRMS)	EPA	EET SAC
6010B	Metals (ICP)	SW846	EET CAL 4
7471A	Mercury (CVAA)	SW846	EET CAL 4
Moisture	Percent Moisture	EPA	EET SAC
1633 Shake	Shake Extraction with SPE	EPA	EET SAC
3051A	Preparation, Metals, Microwave Assisted	SW846	EET CAL 4
3546	Microwave Extraction	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4
7471A	Preparation, Mercury	SW846	EET CAL 4
DI Leach	Deionized Water Leaching Procedure	ASTM	EET SAC
HRMS-Sox	Soxhlet Extraction	EPA	EET SAC

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Eurofins MTS Consumer Product Testing US, Inc
Project/Site: Soil Analysis - 200010556 / 202409079

Job ID: 320-117836-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-117836-1	202409079-1	Solid	12/17/24 00:00	12/18/24 10:00

eurofins

Print Date: Dec 17, 2024

INTER-LAB ORDER FORM

To: ES00NG_Eurofins Environment Testing America - Northern California

ATTN: David Altucker

Address:
880 Riverside Parkway, 95605 West Sacramento, CA, United States of America

From: Eurofins MTS Consumer Product Testing US, LLC
22310 20th Ave SE, Bothell WA 98021
Email: USCPTSupport@cpt.eurofinsus.com
Phone: 425-686-3575

Eurofins US Sales Contact: AL

Eurofins Project Manager: Patricia Cox

PO # 200010556
Please reference PO# on report and invoice.

PLEASE SEND REPORT TO:
Attention To: Patricia Cox
Email: USCPTSupport@cpt.eurofinsus.com

PLEASE SEND INVOICE TO:
Email: DG_SCNA002-CUS047-ICO@nsc.eurofinsus.com

Applicant Information - (PLEASE ADDRESS TO THE APPLICANT AND APPLICANT ADDRESS ONLY ON THE REPORT.)			
Client (Report Addressed To:)	Nassimi	Sample Return?	No
Client Address (Shown on Report)	550 Seventh Avenue, 15th Floor, 10018 New York, New York, United States of America		

Tests Requested	Report Delivery: Electronic	Due Date: NA

Samples

Sample ID: 202409079-1		Description: Biodegraded PVC Soil	
Lot/Batch Number:		Supplier Manufacturer:	
Country of Origin: NA		Country of Destination: NA	
Labeled Age Grade: NA			
Tests			
Analysis:	PCB Congeners - Full List (209) (HRGC/HRMS)	Note:	Sample size requirements: 10g Method 1668C
Analysis:	PFAS, EPA Standard Method List \ - (40 Analytes) LC/MS/MS &% Moisture	Note:	Sample size requirements: 30g Method 1633
Analysis:	Heavy Metals; No Mercury (ICP)	Note:	Sample size requirements: 5g Method 6010B Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver

We request for the above tests and agree that all testing will be carried out subject to your general terms and conditions and price set forth upon previously established agreements with Eurofins Product Testing Inc.

Signature

Date

eurofins

Print Date: Dec 17, 2024

INTER-LAB ORDER FORM

Analysis:	**Mercury (CVAA)**	**Note:**	**Sample size requirements: 1g Method 7471A**
Analysis:	**SVOCs, Custom List**	**Note:**	**Includes Phthalates Sample size requirements: 20g Method 8270C**
Analysis: List	**VOCs, Custom**	**Note:**	**Sample size requirements: 5g Method 8260D**
Analysis:	**Chloride only**	**Note:**	**Sample size requirements: 10g Method 300.0**

NOTE:

We request for the above tests and agree that all testing will be carried out subject to your general terms and conditions and price set forth upon previously established agreements with Eurofins Product Testing Inc.

Signature

Date 12/17/2024

EETSac 12/18/24 1000 16.5°C 1/8/2025

eurofins | Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Loc: 320
117836

Tracking # 7017 1125 8194

Job:_____ _____

SO (PO) / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations
File in the job folder with the COC

Therm ID: COY Corr Factor: (+/-) 0.0 °C

Ice_____ Wet_____ Gel_____ Other none

Cooler Custody Seal _____

Cooler ID _____

Temp Observed. 16.5 °C Corrected 16.5 °C

From Temp Blank ☐ Sandwich ☐ Sidewall ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☐	☑	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: SO Date 12/18/24

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☐	☑	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☐	☑	☐
Sample date/times are provided?	☐	☑	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☑	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials JF Date 12/19/24

Notes: NO cooling agent

Trizma Lot #(s) _____

Ammonium Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☑	☑	☐
Samples received within hold time?	☑	☐	☐
Log Release checked in TALS?	☐	☐	☐

Initials JF Date 12/19/24

Eurofins Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins

Loc. 320
117836

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Turpen, Laura	Carrier Tracking No(s): N/A	COC No: 320-357527 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Laura.Turpen@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): N/A		Job #: 320-117836-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 1/6/2025			Preservation Codes:
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Soil Analysis 200010556 / 202409079	Project #: 32025916			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	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)	6010B/3051A RCRA 8 List	7471A/7471A_Prep Mercury	8270C/3546 Custom List	8260D/5030C_Solid_NAC Custom List	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
202409079-1 (320-117836-1)	12/17/24	Pacific	G	Solid			X	X	X	X	1	

320-117836 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northern California, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northern California, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northern California, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northern California, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		12/19/24 1530	ETSOC			
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 12/20/24 1000	Company EC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 1 7/2 7 SC14

Ver 10/10/2024

Login Sample Receipt Checklist

Client: Eurofins MTS Consumer Product Testing US, Inc

Job Number: 320-117836-1

Login Number: 117836
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 12/20/24 12:13 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are 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.	True	
Cooler Temperature is recorded.	True	2.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	