

DATA PACKAGE

SUB - DATA

PROJECT NAME : AE1-CTY 3.2.Z-PR-DOCK-DES-ODC - 60693795-1719206

AECOM

605 3rd Avenue

29th Floor

New York, NY - 10158

Phone No: 212-973-2900

ORDER ID : Q3394

ATTENTION : Rob Forstner



Cover Page

Order ID : Q3394

Project ID : AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Client : AECOM

Lab Sample Number

Q3394-01
Q3394-02
Q3394-03
Q3394-04
Q3394-05

Client Sample Number

PR132-S10-000022-20251017
PR132-S10-022047-20251017
PR132-S08-013038-20251017
PR132-S06-000021-20251017
PR132-S08-000013-20251017

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 11/4/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Yazmeen Gomez
Chemtech Consulting Group Inc.
284 Sheffield Street
Mountainside, New Jersey 07092

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JOB DESCRIPTION

AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

JOB NUMBER

410-248194-1

Eurofins Lancaster Laboratories Environment Testing, LLC

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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Barbara Weyandt, Project Manager
Barbara.Weyandt@et.eurofinsus.com
(717)556-7264

Compliance Statement

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

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

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

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

This report shall not be reproduced except in full, without the written approval of the laboratory.

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Barb Weyandt

Table of Contents

Cover Page	1
Table of Contents	4
Definitions/Glossary	5
Case Narrative	6
Detection Summary	7
Client Sample Results	10
Isotope Dilution Summary	16
QC Sample Results	18
QC Association Summary	20
Lab Chronicle	21
Certification Summary	23
Method Summary	24
Sample Summary	25
Chain of Custody	26
Receipt Checklists	27



Definitions/Glossary

Client: Chemtech Consulting Group Inc.
Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Job ID: 410-248194-1

Qualifiers

Dioxin

Qualifier	Qualifier Description
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
B	Compound was found in the blank and sample.
cn	Refer to Case Narrative for further detail
I	Value is EMPC (estimated maximum possible concentration).
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
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Chemtech Consulting Group Inc.
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Job ID: 410-248194-1

Job ID: 410-248194-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-248194-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 10/21/2025 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.4°C.

Dioxin

Method 1613B: The Isotope Dilution Analyte (IDA) recovery associated with the following samples is below the method recommended limit: PR132-S08-013038-20251017 (410-248194-3) and PR132-S06-000022-20251017 (410-248194-4). Signal-to-noise ratios are within method recommended limits.

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

General Chemistry

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Chemtech Consulting Group Inc.
Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Job ID: 410-248194-1

Client Sample ID: PR132-S10-000022-20251017

Lab Sample ID: 410-248194-1

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,4,6,7,8-HpCDD	610	B	8.3	3.2	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,6,7,8-HpCDF	240	B	8.3	0.61	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,7,8-HxCDD	6.0	J B	8.3	0.43	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,7,8-HxCDF	45		8.3	0.68	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,7,8,9-HpCDF	13	B	8.3	0.76	ng/Kg	1	✱	1613B	Total/NA
1,2,3,6,7,8-HxCDD	31	B	8.3	0.41	ng/Kg	1	✱	1613B	Total/NA
1,2,3,6,7,8-HxCDF	17	B	8.3	0.63	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8-PeCDD	7.3	J B	8.3	0.099	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8-PeCDF	12		8.3	0.30	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8,9-HxCDD	16	B	8.3	0.42	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8,9-HxCDF	5.7	J B	8.3	0.69	ng/Kg	1	✱	1613B	Total/NA
2,3,4,6,7,8-HxCDF	16	B	8.3	0.61	ng/Kg	1	✱	1613B	Total/NA
2,3,4,7,8-PeCDF	24	B	8.3	0.27	ng/Kg	1	✱	1613B	Total/NA
2,3,7,8-TCDD	160		1.7	0.21	ng/Kg	1	✱	1613B	Total/NA
2,3,7,8-TCDF	26		1.7	0.37	ng/Kg	1	✱	1613B	Total/NA
OCDD	5400	B	25	0.18	ng/Kg	1	✱	1613B	Total/NA
OCDF	540	B	17	0.12	ng/Kg	1	✱	1613B	Total/NA
Total HpCDD	610	B	8.3	3.2	ng/Kg	1	✱	1613B	Total/NA
Total HpCDF	580	B	8.3	0.69	ng/Kg	1	✱	1613B	Total/NA
Total HxCDD	350	B	8.3	0.42	ng/Kg	1	✱	1613B	Total/NA
Total HxCDF	310	B	8.3	0.65	ng/Kg	1	✱	1613B	Total/NA
Total PeCDD	68	B	8.3	0.099	ng/Kg	1	✱	1613B	Total/NA
Total PeCDF	420	B	8.3	0.29	ng/Kg	1	✱	1613B	Total/NA
Total TCDD	170		1.7	0.21	ng/Kg	1	✱	1613B	Total/NA
Total TCDF	870		1.7	0.37	ng/Kg	1	✱	1613B	Total/NA

Client Sample ID: PR132-S10-022047-20251017

Lab Sample ID: 410-248194-2

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,4,6,7,8-HpCDD	35	B	8.8	0.073	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,6,7,8-HpCDF	250	B	8.8	0.28	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,7,8-HxCDD	0.84	J I B	8.8	0.15	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,7,8-HxCDF	68		8.8	0.40	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,7,8,9-HpCDF	8.0	J B	8.8	0.35	ng/Kg	1	✱	1613B	Total/NA
1,2,3,6,7,8-HxCDD	3.3	J B	8.8	0.14	ng/Kg	1	✱	1613B	Total/NA
1,2,3,6,7,8-HxCDF	17	B	8.8	0.37	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8-PeCDD	1.0	J B	8.8	0.052	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8-PeCDF	4.6	J I	8.8	0.18	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8,9-HxCDD	1.2	J I B	8.8	0.16	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8,9-HxCDF	3.5	J B	8.8	0.44	ng/Kg	1	✱	1613B	Total/NA
2,3,4,6,7,8-HxCDF	7.6	J B	8.8	0.35	ng/Kg	1	✱	1613B	Total/NA
2,3,4,7,8-PeCDF	14	B	8.8	0.096	ng/Kg	1	✱	1613B	Total/NA
2,3,7,8-TCDD	1.8	I	1.8	0.083	ng/Kg	1	✱	1613B	Total/NA
2,3,7,8-TCDF	4.1		1.8	0.11	ng/Kg	1	✱	1613B	Total/NA
OCDD	310	B	26	0.051	ng/Kg	1	✱	1613B	Total/NA
OCDF	190	B	18	0.062	ng/Kg	1	✱	1613B	Total/NA
Total HpCDD	35	B	8.8	0.073	ng/Kg	1	✱	1613B	Total/NA
Total HpCDF	340	B	8.8	0.32	ng/Kg	1	✱	1613B	Total/NA
Total HxCDD	38	I B	8.8	0.15	ng/Kg	1	✱	1613B	Total/NA
Total HxCDF	230	B	8.8	0.39	ng/Kg	1	✱	1613B	Total/NA
Total PeCDD	6.3	J B	8.8	0.052	ng/Kg	1	✱	1613B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Chemtech Consulting Group Inc.
Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Job ID: 410-248194-1

Client Sample ID: PR132-S10-022047-20251017 (Continued)

Lab Sample ID: 410-248194-2

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
Total PeCDF	74	I B	8.8	0.14	ng/Kg	1	✱	1613B	Total/NA
Total TCDD	2.2	I	1.8	0.083	ng/Kg	1	✱	1613B	Total/NA
Total TCDF	80		1.8	0.11	ng/Kg	1	✱	1613B	Total/NA

Client Sample ID: PR132-S08-013038-20251017

Lab Sample ID: 410-248194-3

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,4,6,7,8-HpCDD	15	B cn	9.5	0.085	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,6,7,8-HpCDF	8.4	J B cn	9.5	0.027	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,7,8-HxCDD	0.81	J B cn	9.5	0.027	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,7,8-HxCDF	3.2	J cn	9.5	0.063	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,7,8,9-HpCDF	1.3	J B cn	9.5	0.034	ng/Kg	1	✱	1613B	Total/NA
1,2,3,6,7,8-HxCDD	1.1	J I B cn	9.5	0.026	ng/Kg	1	✱	1613B	Total/NA
1,2,3,6,7,8-HxCDF	2.1	J B cn	9.5	0.056	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8-PeCDD	0.78	J I B cn	9.5	0.016	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8-PeCDF	1.9	J cn	9.5	0.058	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8,9-HxCDD	0.97	J I B cn	9.5	0.028	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8,9-HxCDF	0.97	J B cn	9.5	0.072	ng/Kg	1	✱	1613B	Total/NA
2,3,4,6,7,8-HxCDF	1.6	J B cn	9.5	0.055	ng/Kg	1	✱	1613B	Total/NA
2,3,4,7,8-PeCDF	2.3	J B cn	9.5	0.045	ng/Kg	1	✱	1613B	Total/NA
OCDD	590	B cn	28	0.090	ng/Kg	1	✱	1613B	Total/NA
OCDF	19	B cn	19	0.017	ng/Kg	1	✱	1613B	Total/NA
Total HpCDD	15	B cn	9.5	0.085	ng/Kg	1	✱	1613B	Total/NA
Total HpCDF	14	B cn	9.5	0.030	ng/Kg	1	✱	1613B	Total/NA
Total HxCDD	18	I B cn	9.5	0.027	ng/Kg	1	✱	1613B	Total/NA
Total HxCDF	16	B cn	9.5	0.061	ng/Kg	1	✱	1613B	Total/NA
Total PeCDD	3.7	J I B cn	9.5	0.016	ng/Kg	1	✱	1613B	Total/NA
Total PeCDF	17	I B cn	9.5	0.052	ng/Kg	1	✱	1613B	Total/NA
Total TCDD	0.73	J cn	1.9	0.057	ng/Kg	1	✱	1613B	Total/NA
Total TCDF	29	cn	1.9	0.064	ng/Kg	1	✱	1613B	Total/NA

Client Sample ID: PR132-S06-000022-20251017

Lab Sample ID: 410-248194-4

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,4,6,7,8-HpCDD	410	B cn	11	0.33	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,6,7,8-HpCDF	260	B cn	11	0.68	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,7,8-HxCDD	3.2	J B cn	11	0.50	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,7,8-HxCDF	36	cn	11	0.70	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,7,8,9-HpCDF	17	B cn	11	0.84	ng/Kg	1	✱	1613B	Total/NA
1,2,3,6,7,8-HxCDD	17	B cn	11	0.50	ng/Kg	1	✱	1613B	Total/NA
1,2,3,6,7,8-HxCDF	20	B cn	11	0.69	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8-PeCDD	4.4	J I B cn	11	0.089	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8-PeCDF	8.3	J cn	11	0.39	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8,9-HxCDD	7.1	J B cn	11	0.53	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8,9-HxCDF	5.5	J B cn	11	0.81	ng/Kg	1	✱	1613B	Total/NA
2,3,4,6,7,8-HxCDF	15	B cn	11	0.68	ng/Kg	1	✱	1613B	Total/NA
2,3,4,7,8-PeCDF	17	B cn	11	0.26	ng/Kg	1	✱	1613B	Total/NA
2,3,7,8-TCDD	100	cn	2.1	0.24	ng/Kg	1	✱	1613B	Total/NA
2,3,7,8-TCDF	13	cn	2.1	0.34	ng/Kg	1	✱	1613B	Total/NA
OCDD	3700	B cn	32	0.19	ng/Kg	1	✱	1613B	Total/NA
OCDF	510	B cn	21	0.12	ng/Kg	1	✱	1613B	Total/NA
Total HpCDD	410	B cn	11	0.33	ng/Kg	1	✱	1613B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurolins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Chemtech Consulting Group Inc.

Job ID: 410-248194-1

Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Client Sample ID: PR132-S06-000022-20251017 (Continued)

Lab Sample ID: 410-248194-4

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
Total HpCDF	630	B cn	11	0.76	ng/Kg	1	✱	1613B	Total/NA
Total HxCDD	190	B cn	11	0.51	ng/Kg	1	✱	1613B	Total/NA
Total HxCDF	310	B cn	11	0.72	ng/Kg	1	✱	1613B	Total/NA
Total PeCDD	27	I B cn	11	0.089	ng/Kg	1	✱	1613B	Total/NA
Total PeCDF	190	B cn	11	0.32	ng/Kg	1	✱	1613B	Total/NA
Total TCDD	110	cn	2.1	0.24	ng/Kg	1	✱	1613B	Total/NA
Total TCDF	360	cn	2.1	0.34	ng/Kg	1	✱	1613B	Total/NA

Client Sample ID: PR132-S08-000013-20251017

Lab Sample ID: 410-248194-5

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,4,6,7,8-HpCDD	1000	B	9.7	1.7	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,6,7,8-HpCDF	340	B	9.7	0.74	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,7,8-HxCDD	7.5	J B	9.7	1.4	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,7,8-HxCDF	55		9.7	0.68	ng/Kg	1	✱	1613B	Total/NA
1,2,3,4,7,8,9-HpCDF	17	B	9.7	0.98	ng/Kg	1	✱	1613B	Total/NA
1,2,3,6,7,8-HxCDD	33	B	9.7	1.4	ng/Kg	1	✱	1613B	Total/NA
1,2,3,6,7,8-HxCDF	21	B	9.7	0.66	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8-PeCDD	8.0	J I B	9.7	0.069	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8-PeCDF	15		9.7	0.44	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8,9-HxCDD	16	B	9.7	1.7	ng/Kg	1	✱	1613B	Total/NA
1,2,3,7,8,9-HxCDF	6.3	J B	9.7	0.77	ng/Kg	1	✱	1613B	Total/NA
2,3,4,6,7,8-HxCDF	18	B	9.7	0.65	ng/Kg	1	✱	1613B	Total/NA
2,3,4,7,8-PeCDF	27	B	9.7	0.36	ng/Kg	1	✱	1613B	Total/NA
2,3,7,8-TCDD	170		1.9	0.23	ng/Kg	1	✱	1613B	Total/NA
2,3,7,8-TCDF	38		1.9	0.32	ng/Kg	1	✱	1613B	Total/NA
OCDF	850	B	19	0.16	ng/Kg	1	✱	1613B	Total/NA
Total HpCDD	1000	B	9.7	1.7	ng/Kg	1	✱	1613B	Total/NA
Total HpCDF	840	B	9.7	0.86	ng/Kg	1	✱	1613B	Total/NA
Total HxCDD	560	B	9.7	1.5	ng/Kg	1	✱	1613B	Total/NA
Total HxCDF	380	B	9.7	0.69	ng/Kg	1	✱	1613B	Total/NA
Total PeCDD	70	I B	9.7	0.069	ng/Kg	1	✱	1613B	Total/NA
Total PeCDF	430	B	9.7	0.40	ng/Kg	1	✱	1613B	Total/NA
Total TCDD	180		1.9	0.23	ng/Kg	1	✱	1613B	Total/NA
Total TCDF	940		1.9	0.32	ng/Kg	1	✱	1613B	Total/NA
OCDD - DL	8200	B	150	1.0	ng/Kg	5	✱	1613B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Job ID: 410-248194-1

Client Sample ID: PR132-S10-000022-20251017

Lab Sample ID: 410-248194-1

Date Collected: 10/17/25 09:45

Matrix: Solid

Date Received: 10/21/25 10:10

Percent Solids: 57.2

Method: EPA 1613B - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,6,7,8-HpCDD	610	B	8.3	3.2	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
1,2,3,4,6,7,8-HpCDF	240	B	8.3	0.61	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
1,2,3,4,7,8-HxCDD	6.0	J B	8.3	0.43	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
1,2,3,4,7,8-HxCDF	45		8.3	0.68	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
1,2,3,4,7,8,9-HpCDF	13	B	8.3	0.76	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
1,2,3,6,7,8-HxCDD	31	B	8.3	0.41	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
1,2,3,6,7,8-HxCDF	17	B	8.3	0.63	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
1,2,3,7,8-PeCDD	7.3	J B	8.3	0.099	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
1,2,3,7,8-PeCDF	12		8.3	0.30	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
1,2,3,7,8,9-HxCDD	16	B	8.3	0.42	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
1,2,3,7,8,9-HxCDF	5.7	J B	8.3	0.69	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
2,3,4,6,7,8-HxCDF	16	B	8.3	0.61	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
2,3,4,7,8-PeCDF	24	B	8.3	0.27	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
2,3,7,8-TCDD	160		1.7	0.21	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
2,3,7,8-TCDF	26		1.7	0.37	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
OCDD	5400	B	25	0.18	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
OCDF	540	B	17	0.12	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
Total HpCDD	610	B	8.3	3.2	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
Total HpCDF	580	B	8.3	0.69	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
Total HxCDD	350	B	8.3	0.42	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
Total HxCDF	310	B	8.3	0.65	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
Total PeCDD	68	B	8.3	0.099	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
Total PeCDF	420	B	8.3	0.29	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
Total TCDD	170		1.7	0.21	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1
Total TCDF	870		1.7	0.37	ng/Kg	✱	11/25/25 18:36	11/29/25 14:03	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDD	65		23 - 140	11/25/25 18:36	11/29/25 14:03	1
13C-1,2,3,4,6,7,8-HpCDF	60		28 - 143	11/25/25 18:36	11/29/25 14:03	1
13C-1,2,3,4,7,8-HxCDD	50		32 - 141	11/25/25 18:36	11/29/25 14:03	1
13C-1,2,3,4,7,8-HxCDF	50		26 - 152	11/25/25 18:36	11/29/25 14:03	1
13C-1,2,3,4,7,8,9-HpCDF	63		26 - 138	11/25/25 18:36	11/29/25 14:03	1
13C-1,2,3,6,7,8-HxCDD	55		28 - 130	11/25/25 18:36	11/29/25 14:03	1
13C-1,2,3,6,7,8-HxCDF	53		26 - 123	11/25/25 18:36	11/29/25 14:03	1
13C-1,2,3,7,8-PeCDD	49		25 - 181	11/25/25 18:36	11/29/25 14:03	1
13C-1,2,3,7,8-PeCDF	54		24 - 185	11/25/25 18:36	11/29/25 14:03	1
13C-1,2,3,7,8,9-HxCDD	53		28 - 130	11/25/25 18:36	11/29/25 14:03	1
13C-1,2,3,7,8,9-HxCDF	55		29 - 147	11/25/25 18:36	11/29/25 14:03	1
13C-2,3,4,6,7,8-HxCDF	54		28 - 136	11/25/25 18:36	11/29/25 14:03	1
13C-2,3,4,7,8-PeCDF	48		21 - 178	11/25/25 18:36	11/29/25 14:03	1
13C-2,3,7,8-TCDD	34		25 - 164	11/25/25 18:36	11/29/25 14:03	1
13C-2,3,7,8-TCDF	33		24 - 169	11/25/25 18:36	11/29/25 14:03	1
13C-OCDD	61		17 - 157	11/25/25 18:36	11/29/25 14:03	1
13C-OCDF	61		17 - 157	11/25/25 18:36	11/29/25 14:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	42.8		1.0	1.0	%			10/23/25 21:34	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Job ID: 410-248194-1

Client Sample ID: PR132-S10-022047-20251017

Lab Sample ID: 410-248194-2

Date Collected: 10/17/25 09:55

Matrix: Solid

Date Received: 10/21/25 10:10

Percent Solids: 55.1

Method: EPA 1613B - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,6,7,8-HpCDD	35	B	8.8	0.073	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
1,2,3,4,6,7,8-HpCDF	250	B	8.8	0.28	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
1,2,3,4,7,8-HxCDD	0.84	J I B	8.8	0.15	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
1,2,3,4,7,8-HxCDF	68		8.8	0.40	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
1,2,3,4,7,8,9-HpCDF	8.0	J B	8.8	0.35	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
1,2,3,6,7,8-HxCDD	3.3	J B	8.8	0.14	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
1,2,3,6,7,8-HxCDF	17	B	8.8	0.37	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
1,2,3,7,8-PeCDD	1.0	J B	8.8	0.052	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
1,2,3,7,8-PeCDF	4.6	J I	8.8	0.18	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
1,2,3,7,8,9-HxCDD	1.2	J I B	8.8	0.16	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
1,2,3,7,8,9-HxCDF	3.5	J B	8.8	0.44	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
2,3,4,6,7,8-HxCDF	7.6	J B	8.8	0.35	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
2,3,4,7,8-PeCDF	14	B	8.8	0.096	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
2,3,7,8-TCDD	1.8	I	1.8	0.083	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
2,3,7,8-TCDF	4.1		1.8	0.11	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
OCDD	310	B	26	0.051	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
OCDF	190	B	18	0.062	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
Total HpCDD	35	B	8.8	0.073	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
Total HpCDF	340	B	8.8	0.32	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
Total HxCDD	38	I B	8.8	0.15	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
Total HxCDF	230	B	8.8	0.39	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
Total PeCDD	6.3	J B	8.8	0.052	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
Total PeCDF	74	I B	8.8	0.14	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
Total TCDD	2.2	I	1.8	0.083	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1
Total TCDF	80		1.8	0.11	ng/Kg	✱	11/25/25 18:36	11/29/25 18:16	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDD	47		23 - 140	11/25/25 18:36	11/29/25 18:16	1
13C-1,2,3,4,6,7,8-HpCDF	43		28 - 143	11/25/25 18:36	11/29/25 18:16	1
13C-1,2,3,4,7,8-HxCDD	39		32 - 141	11/25/25 18:36	11/29/25 18:16	1
13C-1,2,3,4,7,8-HxCDF	37		26 - 152	11/25/25 18:36	11/29/25 18:16	1
13C-1,2,3,4,7,8,9-HpCDF	43		26 - 138	11/25/25 18:36	11/29/25 18:16	1
13C-1,2,3,6,7,8-HxCDD	43		28 - 130	11/25/25 18:36	11/29/25 18:16	1
13C-1,2,3,6,7,8-HxCDF	42		26 - 123	11/25/25 18:36	11/29/25 18:16	1
13C-1,2,3,7,8-PeCDD	73		25 - 181	11/25/25 18:36	11/29/25 18:16	1
13C-1,2,3,7,8-PeCDF	43		24 - 185	11/25/25 18:36	11/29/25 18:16	1
13C-1,2,3,7,8,9-HxCDD	40		28 - 130	11/25/25 18:36	11/29/25 18:16	1
13C-1,2,3,7,8,9-HxCDF	39		29 - 147	11/25/25 18:36	11/29/25 18:16	1
13C-2,3,4,6,7,8-HxCDF	41		28 - 136	11/25/25 18:36	11/29/25 18:16	1
13C-2,3,4,7,8-PeCDF	64		21 - 178	11/25/25 18:36	11/29/25 18:16	1
13C-2,3,7,8-TCDD	27		25 - 164	11/25/25 18:36	11/29/25 18:16	1
13C-2,3,7,8-TCDF	26		24 - 169	11/25/25 18:36	11/29/25 18:16	1
13C-OCDD	45		17 - 157	11/25/25 18:36	11/29/25 18:16	1
13C-OCDF	42		17 - 157	11/25/25 18:36	11/29/25 18:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	44.9		1.0	1.0	%			10/23/25 21:34	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Job ID: 410-248194-1

Client Sample ID: PR132-S08-013038-20251017

Lab Sample ID: 410-248194-3

Date Collected: 10/17/25 08:55

Matrix: Solid

Date Received: 10/21/25 10:10

Percent Solids: 52.2

Method: EPA 1613B - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,6,7,8-HpCDD	15	B cn	9.5	0.085	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
1,2,3,4,6,7,8-HpCDF	8.4	J B cn	9.5	0.027	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
1,2,3,4,7,8-HxCDD	0.81	J B cn	9.5	0.027	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
1,2,3,4,7,8-HxCDF	3.2	J cn	9.5	0.063	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
1,2,3,4,7,8,9-HpCDF	1.3	J B cn	9.5	0.034	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
1,2,3,6,7,8-HxCDD	1.1	J I B cn	9.5	0.026	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
1,2,3,6,7,8-HxCDF	2.1	J B cn	9.5	0.056	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
1,2,3,7,8-PeCDD	0.78	J I B cn	9.5	0.016	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
1,2,3,7,8-PeCDF	1.9	J cn	9.5	0.058	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
1,2,3,7,8,9-HxCDD	0.97	J I B cn	9.5	0.028	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
1,2,3,7,8,9-HxCDF	0.97	J B cn	9.5	0.072	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
2,3,4,6,7,8-HxCDF	1.6	J B cn	9.5	0.055	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
2,3,4,7,8-PeCDF	2.3	J B cn	9.5	0.045	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
2,3,7,8-TCDD	ND	cn	1.9	0.057	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
2,3,7,8-TCDF	ND	cn	1.9	0.064	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
OCDD	590	B cn	28	0.090	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
OCDF	19	B cn	19	0.017	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
Total HpCDD	15	B cn	9.5	0.085	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
Total HpCDF	14	B cn	9.5	0.030	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
Total HxCDD	18	I B cn	9.5	0.027	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
Total HxCDF	16	B cn	9.5	0.061	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
Total PeCDD	3.7	J I B cn	9.5	0.016	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
Total PeCDF	17	I B cn	9.5	0.052	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
Total TCDD	0.73	J cn	1.9	0.057	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1
Total TCDF	29	cn	1.9	0.064	ng/Kg	✱	11/25/25 18:36	11/29/25 19:07	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDD	44	cn	23 - 140	11/25/25 18:36	11/29/25 19:07	1
13C-1,2,3,4,6,7,8-HpCDF	34	cn	28 - 143	11/25/25 18:36	11/29/25 19:07	1
13C-1,2,3,4,7,8-HxCDD	30	*5- cn	32 - 141	11/25/25 18:36	11/29/25 19:07	1
13C-1,2,3,4,7,8-HxCDF	29	cn	26 - 152	11/25/25 18:36	11/29/25 19:07	1
13C-1,2,3,4,7,8,9-HpCDF	33	cn	26 - 138	11/25/25 18:36	11/29/25 19:07	1
13C-1,2,3,6,7,8-HxCDD	32	cn	28 - 130	11/25/25 18:36	11/29/25 19:07	1
13C-1,2,3,6,7,8-HxCDF	32	cn	26 - 123	11/25/25 18:36	11/29/25 19:07	1
13C-1,2,3,7,8-PeCDD	37	cn	25 - 181	11/25/25 18:36	11/29/25 19:07	1
13C-1,2,3,7,8-PeCDF	31	cn	24 - 185	11/25/25 18:36	11/29/25 19:07	1
13C-1,2,3,7,8,9-HxCDD	29	cn	28 - 130	11/25/25 18:36	11/29/25 19:07	1
13C-1,2,3,7,8,9-HxCDF	27	*5- cn	29 - 147	11/25/25 18:36	11/29/25 19:07	1
13C-2,3,4,6,7,8-HxCDF	32	cn	28 - 136	11/25/25 18:36	11/29/25 19:07	1
13C-2,3,4,7,8-PeCDF	35	cn	21 - 178	11/25/25 18:36	11/29/25 19:07	1
13C-2,3,7,8-TCDD	17	*5- cn	25 - 164	11/25/25 18:36	11/29/25 19:07	1
13C-2,3,7,8-TCDF	16	*5- cn	24 - 169	11/25/25 18:36	11/29/25 19:07	1
13C-OCDD	40	cn	17 - 157	11/25/25 18:36	11/29/25 19:07	1
13C-OCDF	26	cn	17 - 157	11/25/25 18:36	11/29/25 19:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	47.8		1.0	1.0	%			10/23/25 21:34	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Job ID: 410-248194-1

Client Sample ID: PR132-S06-000022-20251017

Lab Sample ID: 410-248194-4

Date Collected: 10/17/25 08:00

Matrix: Solid

Date Received: 10/21/25 10:10

Percent Solids: 46.4

Method: EPA 1613B - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,6,7,8-HpCDD	410	B cn	11	0.33	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
1,2,3,4,6,7,8-HpCDF	260	B cn	11	0.68	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
1,2,3,4,7,8-HxCDD	3.2	J B cn	11	0.50	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
1,2,3,4,7,8-HxCDF	36	cn	11	0.70	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
1,2,3,4,7,8,9-HpCDF	17	B cn	11	0.84	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
1,2,3,6,7,8-HxCDD	17	B cn	11	0.50	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
1,2,3,6,7,8-HxCDF	20	B cn	11	0.69	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
1,2,3,7,8-PeCDD	4.4	J I B cn	11	0.089	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
1,2,3,7,8-PeCDF	8.3	J cn	11	0.39	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
1,2,3,7,8,9-HxCDD	7.1	J B cn	11	0.53	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
1,2,3,7,8,9-HxCDF	5.5	J B cn	11	0.81	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
2,3,4,6,7,8-HxCDF	15	B cn	11	0.68	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
2,3,4,7,8-PeCDF	17	B cn	11	0.26	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
2,3,7,8-TCDD	100	cn	2.1	0.24	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
2,3,7,8-TCDF	13	cn	2.1	0.34	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
OCDD	3700	B cn	32	0.19	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
OCDF	510	B cn	21	0.12	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
Total HpCDD	410	B cn	11	0.33	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
Total HpCDF	630	B cn	11	0.76	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
Total HxCDD	190	B cn	11	0.51	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
Total HxCDF	310	B cn	11	0.72	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
Total PeCDD	27	I B cn	11	0.089	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
Total PeCDF	190	B cn	11	0.32	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
Total TCDD	110	cn	2.1	0.24	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1
Total TCDF	360	cn	2.1	0.34	ng/Kg	✱	11/25/25 18:36	11/29/25 19:58	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDD	27	cn	23 - 140	11/25/25 18:36	11/29/25 19:58	1
13C-1,2,3,4,6,7,8-HpCDF	26	*5- cn	28 - 143	11/25/25 18:36	11/29/25 19:58	1
13C-1,2,3,4,7,8-HxCDD	23	*5- cn	32 - 141	11/25/25 18:36	11/29/25 19:58	1
13C-1,2,3,4,7,8-HxCDF	23	*5- cn	26 - 152	11/25/25 18:36	11/29/25 19:58	1
13C-1,2,3,4,7,8,9-HpCDF	26	cn	26 - 138	11/25/25 18:36	11/29/25 19:58	1
13C-1,2,3,6,7,8-HxCDD	25	*5- cn	28 - 130	11/25/25 18:36	11/29/25 19:58	1
13C-1,2,3,6,7,8-HxCDF	25	*5- cn	26 - 123	11/25/25 18:36	11/29/25 19:58	1
13C-1,2,3,7,8-PeCDD	37	cn	25 - 181	11/25/25 18:36	11/29/25 19:58	1
13C-1,2,3,7,8-PeCDF	25	cn	24 - 185	11/25/25 18:36	11/29/25 19:58	1
13C-1,2,3,7,8,9-HxCDD	23	*5- cn	28 - 130	11/25/25 18:36	11/29/25 19:58	1
13C-1,2,3,7,8,9-HxCDF	23	*5- cn	29 - 147	11/25/25 18:36	11/29/25 19:58	1
13C-2,3,4,6,7,8-HxCDF	24	*5- cn	28 - 136	11/25/25 18:36	11/29/25 19:58	1
13C-2,3,4,7,8-PeCDF	31	cn	21 - 178	11/25/25 18:36	11/29/25 19:58	1
13C-2,3,7,8-TCDD	15	*5- cn	25 - 164	11/25/25 18:36	11/29/25 19:58	1
13C-2,3,7,8-TCDF	15	*5- cn	24 - 169	11/25/25 18:36	11/29/25 19:58	1
13C-OCDD	32	cn	17 - 157	11/25/25 18:36	11/29/25 19:58	1
13C-OCDF	30	cn	17 - 157	11/25/25 18:36	11/29/25 19:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	53.6		1.0	1.0	%			10/23/25 21:34	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Job ID: 410-248194-1

Client Sample ID: PR132-S08-000013-20251017

Lab Sample ID: 410-248194-5

Date Collected: 10/17/25 08:45

Matrix: Solid

Date Received: 10/21/25 10:10

Percent Solids: 50.7

Method: EPA 1613B - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,6,7,8-HpCDD	1000	B	9.7	1.7	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
1,2,3,4,6,7,8-HpCDF	340	B	9.7	0.74	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
1,2,3,4,7,8-HxCDD	7.5	J B	9.7	1.4	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
1,2,3,4,7,8-HxCDF	55		9.7	0.68	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
1,2,3,4,7,8,9-HpCDF	17	B	9.7	0.98	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
1,2,3,6,7,8-HxCDD	33	B	9.7	1.4	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
1,2,3,6,7,8-HxCDF	21	B	9.7	0.66	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
1,2,3,7,8-PeCDD	8.0	J I B	9.7	0.069	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
1,2,3,7,8-PeCDF	15		9.7	0.44	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
1,2,3,7,8,9-HxCDD	16	B	9.7	1.7	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
1,2,3,7,8,9-HxCDF	6.3	J B	9.7	0.77	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
2,3,4,6,7,8-HxCDF	18	B	9.7	0.65	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
2,3,4,7,8-PeCDF	27	B	9.7	0.36	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
2,3,7,8-TCDD	170		1.9	0.23	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
2,3,7,8-TCDF	38		1.9	0.32	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
OCDF	850	B	19	0.16	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
Total HpCDD	1000	B	9.7	1.7	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
Total HpCDF	840	B	9.7	0.86	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
Total HxCDD	560	B	9.7	1.5	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
Total HxCDF	380	B	9.7	0.69	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
Total PeCDD	70	I B	9.7	0.069	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
Total PeCDF	430	B	9.7	0.40	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
Total TCDD	180		1.9	0.23	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1
Total TCDF	940		1.9	0.32	ng/Kg	✱	11/25/25 18:36	11/29/25 20:48	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDD	54		23 - 140	11/25/25 18:36	11/29/25 20:48	1
13C-1,2,3,4,6,7,8-HpCDF	53		28 - 143	11/25/25 18:36	11/29/25 20:48	1
13C-1,2,3,4,7,8-HxCDD	56		32 - 141	11/25/25 18:36	11/29/25 20:48	1
13C-1,2,3,4,7,8-HxCDF	54		26 - 152	11/25/25 18:36	11/29/25 20:48	1
13C-1,2,3,4,7,8,9-HpCDF	53		26 - 138	11/25/25 18:36	11/29/25 20:48	1
13C-1,2,3,6,7,8-HxCDD	64		28 - 130	11/25/25 18:36	11/29/25 20:48	1
13C-1,2,3,6,7,8-HxCDF	60		26 - 123	11/25/25 18:36	11/29/25 20:48	1
13C-1,2,3,7,8-PeCDD	83		25 - 181	11/25/25 18:36	11/29/25 20:48	1
13C-1,2,3,7,8-PeCDF	81		24 - 185	11/25/25 18:36	11/29/25 20:48	1
13C-1,2,3,7,8,9-HxCDD	51		28 - 130	11/25/25 18:36	11/29/25 20:48	1
13C-1,2,3,7,8,9-HxCDF	56		29 - 147	11/25/25 18:36	11/29/25 20:48	1
13C-2,3,4,6,7,8-HxCDF	58		28 - 136	11/25/25 18:36	11/29/25 20:48	1
13C-2,3,4,7,8-PeCDF	85		21 - 178	11/25/25 18:36	11/29/25 20:48	1
13C-2,3,7,8-TCDD	47		25 - 164	11/25/25 18:36	11/29/25 20:48	1
13C-2,3,7,8-TCDF	49		24 - 169	11/25/25 18:36	11/29/25 20:48	1
13C-OCDD	51		17 - 157	11/25/25 18:36	11/29/25 20:48	1
13C-OCDF	51		17 - 157	11/25/25 18:36	11/29/25 20:48	1

Method: EPA 1613B - Dioxins and Furans (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDD	8200	B	150	1.0	ng/Kg	☼	11/25/25 18:36	12/02/25 01:38	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDD	66		23 - 140				11/25/25 18:36	12/02/25 01:38	5
13C-1,2,3,4,6,7,8-HpCDF	59		28 - 143				11/25/25 18:36	12/02/25 01:38	5

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Job ID: 410-248194-1

Client Sample ID: PR132-S08-000013-20251017

Lab Sample ID: 410-248194-5

Date Collected: 10/17/25 08:45

Matrix: Solid

Date Received: 10/21/25 10:10

Percent Solids: 50.7

Method: EPA 1613B - Dioxins and Furans (HRGC/HRMS) - DL (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,7,8-HxCDD	59	I	32 - 141	11/25/25 18:36	12/02/25 01:38	5
13C-1,2,3,4,7,8-HxCDF	54		26 - 152	11/25/25 18:36	12/02/25 01:38	5
13C-1,2,3,4,7,8,9-HpCDF	63		26 - 138	11/25/25 18:36	12/02/25 01:38	5
13C-1,2,3,6,7,8-HxCDD	55		28 - 130	11/25/25 18:36	12/02/25 01:38	5
13C-1,2,3,6,7,8-HxCDF	53		26 - 123	11/25/25 18:36	12/02/25 01:38	5
13C-1,2,3,7,8-PeCDD	49		25 - 181	11/25/25 18:36	12/02/25 01:38	5
13C-1,2,3,7,8-PeCDF	52		24 - 185	11/25/25 18:36	12/02/25 01:38	5
13C-1,2,3,7,8,9-HxCDD	62		28 - 130	11/25/25 18:36	12/02/25 01:38	5
13C-1,2,3,7,8,9-HxCDF	56		29 - 147	11/25/25 18:36	12/02/25 01:38	5
13C-2,3,4,6,7,8-HxCDF	54		28 - 136	11/25/25 18:36	12/02/25 01:38	5
13C-2,3,4,7,8-PeCDF	53		21 - 178	11/25/25 18:36	12/02/25 01:38	5
13C-2,3,7,8-TCDD	49		25 - 164	11/25/25 18:36	12/02/25 01:38	5
13C-2,3,7,8-TCDF	45		24 - 169	11/25/25 18:36	12/02/25 01:38	5
13C-OCDD	65		17 - 157	11/25/25 18:36	12/02/25 01:38	5
13C-OCDF	61		17 - 157	11/25/25 18:36	12/02/25 01:38	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	49.3		1.0	1.0	%			10/23/25 21:34	1

Isotope Dilution Summary

Client: Chemtech Consulting Group Inc.
Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Job ID: 410-248194-1

Method: 1613B - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	HpCDD (23-140)	HpCDF (28-143)	HxCDD (32-141)	HxCDF (26-152)	HpCDF2 (26-138)	HxDD (28-130)	HxDF (26-123)	PeCDD (25-181)
410-248194-1	PR132-S10-000022-20251017	65	60	50	50	63	55	53	49
410-248194-2	PR132-S10-022047-20251017	47	43	39	37	43	43	42	73
410-248194-3	PR132-S08-013038-20251017	44 cn	34 cn	30 *5- cn	29 cn	33 cn	32 cn	32 cn	37 cn
410-248194-4	PR132-S06-000022-20251017	27 cn	26 *5- cn	23 *5- cn	23 *5- cn	26 cn	25 *5- cn	25 *5- cn	37 cn
410-248194-5	PR132-S08-000013-20251017	54	53	56	54	53	64	60	83
410-248194-5 - DL	PR132-S08-000013-20251017	66	59	59 l	54	63	55	53	49
MB 410-735657/1-A	Method Blank	72	68	74	69	67	80	76	124

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PeCDF (24-185)	13CHxCD (28-130)	HxCF (29-147)	13CHxCF (28-136)	PeCF (21-178)	TCDD (25-164)	TCDF (24-169)	OCDD (17-157)
410-248194-1	PR132-S10-000022-20251017	54	53	55	54	48	34	33	61
410-248194-2	PR132-S10-022047-20251017	43	40	39	41	64	27	26	45
410-248194-3	PR132-S08-013038-20251017	31 cn	29 cn	27 *5- cn	32 cn	35 cn	17 *5- cn	16 *5- cn	40 cn
410-248194-4	PR132-S06-000022-20251017	25 cn	23 *5- cn	23 *5- cn	24 *5- cn	31 cn	15 *5- cn	15 *5- cn	32 cn
410-248194-5	PR132-S08-000013-20251017	81	51	56	58	85	47	49	51
410-248194-5 - DL	PR132-S08-000013-20251017	52	62	56	54	53	49	45	65
MB 410-735657/1-A	Method Blank	90	78	71	73	122	62	58	65

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	OCDF (17-157)							
410-248194-1	PR132-S10-000022-20251017	61							
410-248194-2	PR132-S10-022047-20251017	42							
410-248194-3	PR132-S08-013038-20251017	26 cn							
410-248194-4	PR132-S06-000022-20251017	30 cn							
410-248194-5	PR132-S08-000013-20251017	51							
410-248194-5 - DL	PR132-S08-000013-20251017	61							
MB 410-735657/1-A	Method Blank	66							

Surrogate Legend

HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
 HpCDF = 13C-1,2,3,4,6,7,8-HpCDF
 HxCDD = 13C-1,2,3,4,7,8-HxCDD
 HxCDF = 13C-1,2,3,4,7,8-HxCDF
 HpCDF2 = 13C-1,2,3,4,7,8,9-HpCDF
 HxDD = 13C-1,2,3,6,7,8-HxCDD
 HxDF = 13C-1,2,3,6,7,8-HxCDF
 PeCDD = 13C-1,2,3,7,8-PeCDD
 PeCDF = 13C-1,2,3,7,8-PeCDF
 13CHxCD = 13C-1,2,3,7,8,9-HxCDD
 HxCF = 13C-1,2,3,7,8,9-HxCDF
 13CHxCF = 13C-2,3,4,6,7,8-HxCDF
 PeCF = 13C-2,3,4,7,8-PeCDF
 TCDD = 13C-2,3,7,8-TCDD
 TCDF = 13C-2,3,7,8-TCDF
 OCDD = 13C-OCDD
 OCDF = 13C-OCDF

Isotope Dilution Summary

Client: Chemtech Consulting Group Inc.

Job ID: 410-248194-1

Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Method: 1613B - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	HpCDD (26-166)	HpCDF (21-158)	HxCDD (21-193)	HxCDF (19-202)	HpCDF2 (20-186)	HxDD (25-163)	HxDF (21-159)	PeCDD (21-227)
LCS 410-735657/2-A	Lab Control Sample	76	77	77	78	78	91	80	70
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PeCDF (21-192)	13CHxCD (25-163)	HxCF (17-205)	13CHxCF (22-176)	PeCF (13-328)	TCDD (20-175)	TCDF (22-152)	OCDD (13-199)
LCS 410-735657/2-A	Lab Control Sample	79	82	78	79	71	63	65	74
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	OCDF (13-199)							
LCS 410-735657/2-A	Lab Control Sample	76							
Surrogate Legend									
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD									
HpCDF = 13C-1,2,3,4,6,7,8-HpCDF									
HxCDD = 13C-1,2,3,4,7,8-HxCDD									
HxCDF = 13C-1,2,3,4,7,8-HxCDF									
HpCDF2 = 13C-1,2,3,4,7,8,9-HpCDF									
HxDD = 13C-1,2,3,6,7,8-HxCDD									
HxDF = 13C-1,2,3,6,7,8-HxCDF									
PeCDD = 13C-1,2,3,7,8-PeCDD									
PeCDF = 13C-1,2,3,7,8-PeCDF									
13CHxCD = 13C-1,2,3,7,8,9-HxCDD									
HxCF = 13C-1,2,3,7,8,9-HxCDF									
13CHxCF = 13C-2,3,4,6,7,8-HxCDF									
PeCF = 13C-2,3,4,7,8-PeCDF									
TCDD = 13C-2,3,7,8-TCDD									
TCDF = 13C-2,3,7,8-TCDF									
OCDD = 13C-OCDD									
OCDF = 13C-OCDF									

QC Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Job ID: 410-248194-1

Method: 1613B - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 410-735657/1-A

Matrix: Solid

Analysis Batch: 736237

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 735657

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,6,7,8-HpCDD	0.233	J I	5.0	0.011	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
1,2,3,4,6,7,8-HpCDF	0.0594	J	5.0	0.00092	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
1,2,3,4,7,8-HxCDD	0.0499	J	5.0	0.0016	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
1,2,3,4,7,8-HxCDF	ND		5.0	0.0049	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
1,2,3,4,7,8,9-HpCDF	0.0696	J I	5.0	0.0012	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
1,2,3,6,7,8-HxCDD	0.0559	J I	5.0	0.0016	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
1,2,3,6,7,8-HxCDF	0.0477	J I	5.0	0.0045	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
1,2,3,7,8-PeCDD	0.0463	J I	5.0	0.0013	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
1,2,3,7,8-PeCDF	ND		5.0	0.0025	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
1,2,3,7,8,9-HxCDD	0.0621	J	5.0	0.0017	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
1,2,3,7,8,9-HxCDF	0.0978	J	5.0	0.0054	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
2,3,4,6,7,8-HxCDF	0.0521	J	5.0	0.0044	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
2,3,4,7,8-PeCDF	0.0550	J	5.0	0.0015	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
2,3,7,8-TCDD	ND		1.0	0.0029	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
2,3,7,8-TCDF	ND		1.0	0.0030	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
OCDD	1.05	J	15	0.0017	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
OCDF	0.268	J I	10	0.0020	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
Total HpCDD	0.233	J I	5.0	0.011	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
Total HpCDF	0.129	J I	5.0	0.0011	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
Total HxCDD	0.168	J I	5.0	0.0016	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
Total HxCDF	0.198	J I	5.0	0.0048	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
Total PeCDD	0.0463	J I	5.0	0.0013	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
Total PeCDF	0.0550	J	5.0	0.0020	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
Total TCDD	ND		1.0	0.038	ng/Kg		11/25/25 18:36	11/29/25 13:12	1
Total TCDF	ND		1.0	0.020	ng/Kg		11/25/25 18:36	11/29/25 13:12	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDD	72		23 - 140	11/25/25 18:36	11/29/25 13:12	1
13C-1,2,3,4,6,7,8-HpCDF	68		28 - 143	11/25/25 18:36	11/29/25 13:12	1
13C-1,2,3,4,7,8-HxCDD	74		32 - 141	11/25/25 18:36	11/29/25 13:12	1
13C-1,2,3,4,7,8-HxCDF	69		26 - 152	11/25/25 18:36	11/29/25 13:12	1
13C-1,2,3,4,7,8,9-HpCDF	67		26 - 138	11/25/25 18:36	11/29/25 13:12	1
13C-1,2,3,6,7,8-HxCDD	80		28 - 130	11/25/25 18:36	11/29/25 13:12	1
13C-1,2,3,6,7,8-HxCDF	76		26 - 123	11/25/25 18:36	11/29/25 13:12	1
13C-1,2,3,7,8-PeCDD	124		25 - 181	11/25/25 18:36	11/29/25 13:12	1
13C-1,2,3,7,8-PeCDF	90		24 - 185	11/25/25 18:36	11/29/25 13:12	1
13C-1,2,3,7,8,9-HxCDD	78		28 - 130	11/25/25 18:36	11/29/25 13:12	1
13C-1,2,3,7,8,9-HxCDF	71		29 - 147	11/25/25 18:36	11/29/25 13:12	1
13C-2,3,4,6,7,8-HxCDF	73		28 - 136	11/25/25 18:36	11/29/25 13:12	1
13C-2,3,4,7,8-PeCDF	122		21 - 178	11/25/25 18:36	11/29/25 13:12	1
13C-2,3,7,8-TCDD	62		25 - 164	11/25/25 18:36	11/29/25 13:12	1
13C-2,3,7,8-TCDF	58		24 - 169	11/25/25 18:36	11/29/25 13:12	1
13C-OCDD	65		17 - 157	11/25/25 18:36	11/29/25 13:12	1
13C-OCDF	66		17 - 157	11/25/25 18:36	11/29/25 13:12	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Job ID: 410-248194-1

Method: 1613B - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 410-735657/2-A

Matrix: Solid

Analysis Batch: 736237

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 735657

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3,4,6,7,8-HpCDD	100	100		ng/Kg		100	70 - 140
1,2,3,4,6,7,8-HpCDF	100	101		ng/Kg		101	82 - 122
1,2,3,4,7,8-HxCDD	100	103		ng/Kg		103	70 - 164
1,2,3,4,7,8-HxCDF	100	104		ng/Kg		104	72 - 134
1,2,3,4,7,8,9-HpCDF	100	102		ng/Kg		102	78 - 138
1,2,3,6,7,8-HxCDD	100	95.6		ng/Kg		96	76 - 134
1,2,3,6,7,8-HxCDF	100	104		ng/Kg		104	84 - 130
1,2,3,7,8-PeCDD	100	104		ng/Kg		104	70 - 142
1,2,3,7,8-PeCDF	100	99.8		ng/Kg		100	80 - 134
1,2,3,7,8,9-HxCDD	100	103		ng/Kg		103	64 - 162
1,2,3,7,8,9-HxCDF	100	99.8		ng/Kg		100	78 - 130
2,3,4,6,7,8-HxCDF	100	106		ng/Kg		106	70 - 156
2,3,4,7,8-PeCDF	100	103		ng/Kg		103	68 - 160
2,3,7,8-TCDD	20.0	20.8		ng/Kg		104	67 - 158
2,3,7,8-TCDF	20.0	20.1		ng/Kg		101	75 - 158
OCDD	200	213		ng/Kg		107	78 - 144
OCDF	200	212		ng/Kg		106	63 - 170

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C-1,2,3,4,6,7,8-HpCDD	76		26 - 166
13C-1,2,3,4,6,7,8-HpCDF	77		21 - 158
13C-1,2,3,4,7,8-HxCDD	77		21 - 193
13C-1,2,3,4,7,8-HxCDF	78		19 - 202
13C-1,2,3,4,7,8,9-HpCDF	78		20 - 186
13C-1,2,3,6,7,8-HxCDD	91		25 - 163
13C-1,2,3,6,7,8-HxCDF	80		21 - 159
13C-1,2,3,7,8-PeCDD	70		21 - 227
13C-1,2,3,7,8-PeCDF	79		21 - 192
13C-1,2,3,7,8,9-HxCDD	82		25 - 163
13C-1,2,3,7,8,9-HxCDF	78		17 - 205
13C-2,3,4,6,7,8-HxCDF	79		22 - 176
13C-2,3,4,7,8-PeCDF	71		13 - 328
13C-2,3,7,8-TCDD	63		20 - 175
13C-2,3,7,8-TCDF	65		22 - 152
13C-OCDD	74		13 - 199
13C-OCDF	76		13 - 199

QC Association Summary

Client: Chemtech Consulting Group Inc.
Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Job ID: 410-248194-1

Specialty Organics

Prep Batch: 735657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-248194-1	PR132-S10-000022-20251017	Total/NA	Solid	1613B	
410-248194-2	PR132-S10-022047-20251017	Total/NA	Solid	1613B	
410-248194-3	PR132-S08-013038-20251017	Total/NA	Solid	1613B	
410-248194-4	PR132-S06-000022-20251017	Total/NA	Solid	1613B	
410-248194-5 - DL	PR132-S08-000013-20251017	Total/NA	Solid	1613B	
410-248194-5	PR132-S08-000013-20251017	Total/NA	Solid	1613B	
MB 410-735657/1-A	Method Blank	Total/NA	Solid	1613B	
LCS 410-735657/2-A	Lab Control Sample	Total/NA	Solid	1613B	

Analysis Batch: 736237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-248194-1	PR132-S10-000022-20251017	Total/NA	Solid	1613B	735657
410-248194-2	PR132-S10-022047-20251017	Total/NA	Solid	1613B	735657
410-248194-3	PR132-S08-013038-20251017	Total/NA	Solid	1613B	735657
410-248194-4	PR132-S06-000022-20251017	Total/NA	Solid	1613B	735657
410-248194-5	PR132-S08-000013-20251017	Total/NA	Solid	1613B	735657
MB 410-735657/1-A	Method Blank	Total/NA	Solid	1613B	735657
LCS 410-735657/2-A	Lab Control Sample	Total/NA	Solid	1613B	735657

Analysis Batch: 737254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-248194-5 - DL	PR132-S08-000013-20251017	Total/NA	Solid	1613B	735657

General Chemistry

Analysis Batch: 719018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-248194-1	PR132-S10-000022-20251017	Total/NA	Solid	Moisture	
410-248194-2	PR132-S10-022047-20251017	Total/NA	Solid	Moisture	
410-248194-3	PR132-S08-013038-20251017	Total/NA	Solid	Moisture	
410-248194-4	PR132-S06-000022-20251017	Total/NA	Solid	Moisture	
410-248194-5	PR132-S08-000013-20251017	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Chemtech Consulting Group Inc.
Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Job ID: 410-248194-1

Client Sample ID: PR132-S10-000022-20251017

Lab Sample ID: 410-248194-1

Date Collected: 10/17/25 09:45

Matrix: Solid

Date Received: 10/21/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	719018	CQ8V	ELLE	10/23/25 21:34

Client Sample ID: PR132-S10-000022-20251017

Lab Sample ID: 410-248194-1

Date Collected: 10/17/25 09:45

Matrix: Solid

Date Received: 10/21/25 10:10

Percent Solids: 57.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1613B			735657	SA8Q	ELLE	11/25/25 18:36
Total/NA	Analysis	1613B		1	736237	UC8F	ELLE	11/29/25 14:03

Client Sample ID: PR132-S10-022047-20251017

Lab Sample ID: 410-248194-2

Date Collected: 10/17/25 09:55

Matrix: Solid

Date Received: 10/21/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	719018	CQ8V	ELLE	10/23/25 21:34

Client Sample ID: PR132-S10-022047-20251017

Lab Sample ID: 410-248194-2

Date Collected: 10/17/25 09:55

Matrix: Solid

Date Received: 10/21/25 10:10

Percent Solids: 55.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1613B			735657	SA8Q	ELLE	11/25/25 18:36
Total/NA	Analysis	1613B		1	736237	UC8F	ELLE	11/29/25 18:16

Client Sample ID: PR132-S08-013038-20251017

Lab Sample ID: 410-248194-3

Date Collected: 10/17/25 08:55

Matrix: Solid

Date Received: 10/21/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	719018	CQ8V	ELLE	10/23/25 21:34

Client Sample ID: PR132-S08-013038-20251017

Lab Sample ID: 410-248194-3

Date Collected: 10/17/25 08:55

Matrix: Solid

Date Received: 10/21/25 10:10

Percent Solids: 52.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1613B			735657	SA8Q	ELLE	11/25/25 18:36
Total/NA	Analysis	1613B		1	736237	UC8F	ELLE	11/29/25 19:07

Client Sample ID: PR132-S06-000022-20251017

Lab Sample ID: 410-248194-4

Date Collected: 10/17/25 08:00

Matrix: Solid

Date Received: 10/21/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	719018	CQ8V	ELLE	10/23/25 21:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Chemtech Consulting Group Inc.
Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Job ID: 410-248194-1

Client Sample ID: PR132-S06-000022-20251017

Lab Sample ID: 410-248194-4

Date Collected: 10/17/25 08:00

Matrix: Solid

Date Received: 10/21/25 10:10

Percent Solids: 46.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1613B			735657	SA8Q	ELLE	11/25/25 18:36
Total/NA	Analysis	1613B		1	736237	UC8F	ELLE	11/29/25 19:58

Client Sample ID: PR132-S08-000013-20251017

Lab Sample ID: 410-248194-5

Date Collected: 10/17/25 08:45

Matrix: Solid

Date Received: 10/21/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	719018	CQ8V	ELLE	10/23/25 21:34

Client Sample ID: PR132-S08-000013-20251017

Lab Sample ID: 410-248194-5

Date Collected: 10/17/25 08:45

Matrix: Solid

Date Received: 10/21/25 10:10

Percent Solids: 50.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1613B	DL		735657	SA8Q	ELLE	11/25/25 18:36
Total/NA	Analysis	1613B	DL	5	737254	TJK2	ELLE	12/02/25 01:38
Total/NA	Prep	1613B			735657	SA8Q	ELLE	11/25/25 18:36
Total/NA	Analysis	1613B		1	736237	UC8F	ELLE	11/29/25 20:48

Laboratory References:

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

Accreditation/Certification Summary

Client: Chemtech Consulting Group Inc.
Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Job ID: 410-248194-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-26

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

Analysis Method	Prep Method	Matrix	Analyte
1613B	1613B	Solid	1,2,3,4,6,7,8-HpCDD
1613B	1613B	Solid	1,2,3,4,6,7,8-HpCDF
1613B	1613B	Solid	1,2,3,4,7,8,9-HpCDF
1613B	1613B	Solid	1,2,3,4,7,8-HxCDD
1613B	1613B	Solid	1,2,3,4,7,8-HxCDF
1613B	1613B	Solid	1,2,3,6,7,8-HxCDD
1613B	1613B	Solid	1,2,3,6,7,8-HxCDF
1613B	1613B	Solid	1,2,3,7,8,9-HxCDD
1613B	1613B	Solid	1,2,3,7,8,9-HxCDF
1613B	1613B	Solid	1,2,3,7,8-PeCDD
1613B	1613B	Solid	1,2,3,7,8-PeCDF
1613B	1613B	Solid	2,3,4,6,7,8-HxCDF
1613B	1613B	Solid	2,3,4,7,8-PeCDF
1613B	1613B	Solid	2,3,7,8-TCDD
1613B	1613B	Solid	2,3,7,8-TCDF
1613B	1613B	Solid	OCDD
1613B	1613B	Solid	OCDF
1613B	1613B	Solid	Total HpCDD
1613B	1613B	Solid	Total HpCDF
1613B	1613B	Solid	Total HxCDD
1613B	1613B	Solid	Total HxCDF
1613B	1613B	Solid	Total PeCDD
1613B	1613B	Solid	Total PeCDF
1613B	1613B	Solid	Total TCDD
1613B	1613B	Solid	Total TCDF
Moisture		Solid	Percent Moisture

Method Summary

Client: Chemtech Consulting Group Inc.

Job ID: 410-248194-1

Project/Site: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1

Method	Method Description	Protocol	Laboratory
1613B	Dioxins and Furans (HRGC/HRMS)	EPA	ELLE
Moisture	Percent Moisture	EPA	ELLE
1613B	Soxhlet Extraction	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

Client: Chemtech Consulting Group Inc.
Project/Site: AE1-CTY
3.2.Z-PR-DOCK-Des-ODC-60693795-1

Job ID: 410-248194-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-248194-1	PR132-S10-000022-20251017	Solid	10/17/25 09:45	10/21/25 10:10	New York
410-248194-2	PR132-S10-022047-20251017	Solid	10/17/25 09:55	10/21/25 10:10	New York
410-248194-3	PR132-S08-013038-20251017	Solid	10/17/25 08:55	10/21/25 10:10	New York
410-248194-4	PR132-S06-000022-20251017	Solid	10/17/25 08:00	10/21/25 10:10	New York
410-248194-5	PR132-S08-000013-20251017	Solid	10/17/25 08:45	10/21/25 10:10	New York

CHAIN OF CUSTODY RECORD

Sub Lab INFORMATION	CLIENT PROJECT INFORMATION	CLIENT BILLING INFORMATION
COMPANY : EUROFINS Lancaster Laboratories	ORDER ID : Q3394	BILL TO: CHEMTECH PO# : Q3377
ADDRESS : 2425 New Holland Pike	PROJECT ID:AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1	ADDRESS : 284, Sheffield Street
CITY:Lancaster State :PA ZIP :17601	PROJECT MANAGER YAZMEEN	CITY: Mountainside State : NJ ZIP : 07092
E-mail :	E-mail : YAZMEEN.GOMEZ@AllianceTG.com	ATTENTION :YAZMEE
PHONE :717-693-5814	PHONE : (908) 789 8900 FAX: (908) 789 8922	PHONE : (908) 789 8900 FAX : (908) 789 8922

EDD : EQUIS	Report : NYS ASP A	Comment : NY. GRAB
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ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION		# OF BOTTLES	TAT DAYS
						DATE	TIME		
01	PR132-S10-000022-20251017	Solid	Dioxin	1:1 HNO3 to pH < 2	Chemtech -SOP	10/17/2025	09:45:00	1	10
02	PR132-S10-022047-20251017	Solid	Dioxin	1:1 HNO3 to pH < 2	Chemtech -SOP	10/17/2025	09:55:00	1	10
03	PR132-S08-013038-20251017	Solid	Dioxin	1:1 HNO3 to pH < 2	Chemtech -SOP	10/17/2025	08:55:00	1	10
04	PR132-S06-000022-20251017	Solid	Dioxin	1:1 HNO3 to pH < 2	Chemtech -SOP	10/17/2025	08:00:00	1	10
05	PR132-S08-000013-20251017	Solid	Dioxin	1:1 HNO3 to pH < 2	Chemtech -SOP	10/17/2025	08:45:00	1	10



410-248194 Chain of Custody

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGES POSSESSION INCLUDING COURIER DELIVERY				
RELINQUISHED BY SAMPLER:	DATETIME:	RECEIVED BY:	Conditions of bottles or Coolers at receipt: ☐ Compliant ☐ Non Compliant Cooler Temp _____ Ice or Cooler? _____	
1.	10/20/25	1.	R: 0.5 C: 0.4	
RELINQUISHED BY:	DATETIME:	RECEIVED BY:		
2.		2.		
RELINQUISHED BY:	DATETIME:	RECEIVED BY:	☐ OVERNIGHT Shipment Complete: ☐ YES ☐ NO ☐ OVERNIGHT	
3.	10/21/25	3.	Page 1 of 1	

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: AECOM
ADDRESS: 605 3rd Ave
CITY: New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner
PHONE: 212-377-8721 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Port Richmond 132
PROJECT NO.: 60893795 LOCATION: Staten Island
PROJECT MANAGER: Rob Forstner
e-mail: Robert.Forstner@aecom.com
PHONE: 212-377-8721 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#:
ADDRESS: 605 3rd Ave
CITY: New York STATE: NY ZIP: 10138
ATTENTION: Rob Forstner PHONE: 212-377-8721

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☒ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1. SVOCs
2. Pesticides
3. Heavy Metals
4. PCBs Hexachloro
5. Dioxin
6. Grain Size
7. TOC
8. VOCs
9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									Method		Specify Preservatives			
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	A-HCl	D-NaOH	B-HNO3	E-ICE	C-H2SO4	F-OTHER
1.	PR132-S10-000022-20251017	S		X	10/17	0945	11	X	X	X	X	X	X	X	X							
2.	PR132-S10-022047-20251017	S		X	10/17	0955	11	X	X	X	X	X	X	X	X							
3.	PR132-S08-013038-20251017	S		X	10/17	0855	11	X	X	X	X	X	X	X	X							
4.	PR132-S06-000021-20251017	S		X	10/17	0800	11	X	X	X	X	X	X	X	X							
5.	Temp Blank	A			10/17		1	X	X	X	X	X			X							
6.	PR132-S08-000013-20251017	S		X	10/17	0845	11	X	X	X	X	X	X	X	X							
7.																						
8.																						
9.																						
10.																						

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. Jim Alderson	DATE/TIME: 10/17/25 4pm	RECEIVED BY: 1. [Signature] 1600	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.0 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 10-17-25	RECEIVED BY: 3.	Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

Login Sample Receipt Checklist

Client: Chemtech Consulting Group Inc.

Job Number: 410-248194-1

Login Number: 248194

List Number: 1

Creator: Arroyo, Haley

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace $> 6\text{mm}$ in diameter (none, if from WV)?	N/A	