284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

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 : Q3423

ATTENTION : Rob Forstner

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Cover Page

Order ID : Q3423

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

Client : AECOM

Lab Sample Number	Client Sample Number
Q3423-01	PR132-S15-000008-20251021

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 : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 4:41 pm, Dec 02, 2025

Date: 11/5/2025

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

Generated 12/2/2025 3:43:00 PM

JOB DESCRIPTION

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

JOB NUMBER

410-249402-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

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.

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

Barb Weyandt

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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.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Table of Contents

Definitions/Glossary

Client: Chemtech Consulting Group Inc. Job ID: 410-249402-1
Project/Site: AE1-CTY 3.2Z-PR-DOCK-Des-ODC-60693795

Qualifiers

Dioxin

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
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 410-249402-1 Eurofins Lancaster Laboratories Environment

Job Narrative
410-249402-1

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 sample was received on 10/24/2025 9:40 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 time was 2.0°C.

Dioxin
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.

Detection Summary

Client: Chemtech Consulting Group Inc.
Job ID: 410-249402-1
Project/Site: AE1-CTY 3.2Z-PR-DOCK-Des-ODC-60693795

Client Sample ID: PR132-S15-000008-20251017
Lab Sample ID: 410-249402-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,4,6,7,8-HpCDD	48		8.7	3.5	ng/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	210		8.7	3.5	ng/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDF	39		8.7	3.5	ng/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	8.7		8.7	3.5	ng/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDD	3.6	J	8.7	3.5	ng/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDF	16		8.7	3.5	ng/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDF	4.7	J	8.7	3.5	ng/Kg	1	☼	8290A	Total/NA
2,3,4,6,7,8-HxCDF	8.5	J	8.7	3.5	ng/Kg	1	☼	8290A	Total/NA
2,3,4,7,8-PeCDF	10		8.7	3.5	ng/Kg	1	☼	8290A	Total/NA
2,3,7,8-TCDD	0.44	J	1.7	0.35	ng/Kg	1	☼	8290A	Total/NA
2,3,7,8-TCDF	4.4		1.7	1.0	ng/Kg	1	☼	8290A	Total/NA
OCDD	560		26	23	ng/Kg	1	☼	8290A	Total/NA
OCDF	160		17	8.7	ng/Kg	1	☼	8290A	Total/NA
Total HpCDD	120		8.7	3.5	ng/Kg	1	☼	8290A	Total/NA
Total HpCDF	310		8.7	3.5	ng/Kg	1	☼	8290A	Total/NA
Total HxCDD	42		8.7	3.5	ng/Kg	1	☼	8290A	Total/NA
Total HxCDF	190		8.7	3.5	ng/Kg	1	☼	8290A	Total/NA
Total PeCDD	15		8.7	3.5	ng/Kg	1	☼	8290A	Total/NA
Total PeCDF	110		8.7	3.5	ng/Kg	1	☼	8290A	Total/NA
Total TCDD	7.1		1.7	0.35	ng/Kg	1	☼	8290A	Total/NA
Total TCDF	62		1.7	1.0	ng/Kg	1	☼	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client: Chemtech Consulting Group Inc.
Job ID: 410-249402-1
Project/Site: AE1-CTY 3.2Z-PR-DOCK-Des-ODC-60693795

Client Sample ID: PR132-S15-000008-20251017
Lab Sample ID: 410-249402-1
Date Collected: 10/21/25 09:00
Matrix: Solid
Date Received: 10/24/25 09:40
Percent Solids: 57.2

Method: SW846 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,6,7,8-HpCDD	48		8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
1,2,3,4,6,7,8-HpCDF	210		8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
1,2,3,4,7,8-HxCDD	ND		8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
1,2,3,4,7,8-HxCDF	39		8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
1,2,3,4,7,8,9-HpCDF	8.7		8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
1,2,3,6,7,8-HxCDD	3.6	J	8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
1,2,3,6,7,8-HxCDF	16		8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
1,2,3,7,8-PeCDD	ND		8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
1,2,3,7,8-PeCDF	4.7	J	8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
1,2,3,7,8,9-HxCDD	ND		8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
1,2,3,7,8,9-HxCDF	ND		8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
2,3,4,6,7,8-HxCDF	8.5	J	8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
2,3,4,7,8-PeCDF	10		8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
2,3,7,8-TCDD	0.44	J	1.7	0.35	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
2,3,7,8-TCDF	4.4		1.7	1.0	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
OCDD	560		26	23	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
OCDF	160		17	8.7	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
Total HpCDD	120		8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
Total HpCDF	310		8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
Total HxCDD	42		8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
Total HxCDF	190		8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
Total PeCDD	15		8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
Total PeCDF	110		8.7	3.5	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
Total TCDD	7.1		1.7	0.35	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1
Total TCDF	62		1.7	1.0	ng/Kg	☼	11/25/25 18:31	12/02/25 03:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-1,2,3,4,6,7,8-HpCDD	*83*		*40 - 135*	*11/25/25 18:31*	*12/02/25 03:21*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*75*		*40 - 135*	*11/25/25 18:31*	*12/02/25 03:21*	*1*
13C-1,2,3,4,7,8-HxCDD	*75*		*40 - 135*	*11/25/25 18:31*	*12/02/25 03:21*	*1*
13C-1,2,3,4,7,8-HxCDF	*70*		*40 - 135*	*11/25/25 18:31*	*12/02/25 03:21*	*1*
13C-1,2,3,4,7,8,9-HpCDF	*81*		*40 - 135*	*11/25/25 18:31*	*12/02/25 03:21*	*1*
13C-1,2,3,6,7,8-HxCDD	*75*		*40 - 135*	*11/25/25 18:31*	*12/02/25 03:21*	*1*
13C-1,2,3,6,7,8-HxCDF	*70*		*40 - 135*	*11/25/25 18:31*	*12/02/25 03:21*	*1*
13C-1,2,3,7,8-PeCDD	*80*		*40 - 135*	*11/25/25 18:31*	*12/02/25 03:21*	*1*
13C-1,2,3,7,8-PeCDF	*74*		*40 - 135*	*11/25/25 18:31*	*12/02/25 03:21*	*1*
13C-1,2,3,7,8,9-HxCDD	*78*		*40 - 135*	*11/25/25 18:31*	*12/02/25 03:21*	*1*
13C-1,2,3,7,8,9-HxCDF	*74*		*40 - 135*	*11/25/25 18:31*	*12/02/25 03:21*	*1*
13C-2,3,4,6,7,8-HxCDF	*71*		*40 - 135*	*11/25/25 18:31*	*12/02/25 03:21*	*1*
13C-2,3,4,7,8-PeCDF	*79*		*40 - 135*	*11/25/25 18:31*	*12/02/25 03:21*	*1*
13C-2,3,7,8-TCDD	*78*		*40 - 135*	*11/25/25 18:31*	*12/02/25 03:21*	*1*
13C-2,3,7,8-TCDF	*73*		*40 - 135*	*11/25/25 18:31*	*12/02/25 03:21*	*1*
13C-OCDD	*80*		*40 - 135*	*11/25/25 18:31*	*12/02/25 03:21*	*1*
13C-OCDF	*76*		*40 - 135*	*11/25/25 18:31*	*12/02/25 03:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	42.8		1.0	1.0	%			10/28/25 00:48	1

Isotope Dilution Summary

Client: Chemtech Consulting Group Inc. Job ID: 410-249402-1
Project/Site: AE1-CTY 3.2Z-PR-DOCK-Des-ODC-60693795

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		HpCDD	HpCDF	HxCDD	HxCDF	HpCDF2	HxDD	HxDF	PeCDD
Lab Sample ID	Client Sample ID	(40-135)	(40-135)	(40-135)	(40-135)	(40-135)	(40-135)	(40-135)	(40-135)
410-249402-1	PR132-S15-000008-20251017	83	75	75	70	81	75	70	80
LCS 410-735653/2-A	Lab Control Sample	96	86	86	80	97	88	83	70
MB 410-735653/1-A	Method Blank	86	81	77	73	85	76	73	52

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PeCDF	13CHxCD	HxCF	13CHxCF	PeCF	TCDD	TCDF	OCDD
Lab Sample ID	Client Sample ID	(40-135)	(40-135)	(40-135)	(40-135)	(40-135)	(40-135)	(40-135)	(40-135)
410-249402-1	PR132-S15-000008-20251017	74	78	74	71	79	78	73	80
LCS 410-735653/2-A	Lab Control Sample	66	93	85	84	70	59	64	95
MB 410-735653/1-A	Method Blank	50	81	76	75	56	55	55	86

		Percent Isotope Dilution Recovery (Acceptance Limits)
		OCDF
Lab Sample ID	Client Sample ID	(40-135)
410-249402-1	PR132-S15-000008-20251017	76
LCS 410-735653/2-A	Lab Control Sample	91
MB 410-735653/1-A	Method Blank	81

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

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

Job ID: 410-249402-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 410-735653/1-A
Matrix: Solid
Analysis Batch: 736227

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 735653

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,6,7,8-HpCDD	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
1,2,3,4,6,7,8-HpCDF	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
1,2,3,4,7,8-HxCDD	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
1,2,3,4,7,8-HxCDF	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
1,2,3,4,7,8,9-HpCDF	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
1,2,3,6,7,8-HxCDD	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
1,2,3,6,7,8-HxCDF	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
1,2,3,7,8-PeCDD	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
1,2,3,7,8-PeCDF	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
1,2,3,7,8,9-HxCDD	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
1,2,3,7,8,9-HxCDF	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
2,3,4,6,7,8-HxCDF	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
2,3,4,7,8-PeCDF	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
2,3,7,8-TCDD	ND		1.0	0.20	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
2,3,7,8-TCDF	ND		1.0	0.60	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
OCDD	ND		15	13	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
OCDF	ND		10	5.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
Total HpCDD	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
Total HpCDF	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
Total HxCDD	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
Total HxCDF	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
Total PeCDD	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
Total PeCDF	ND		5.0	2.0	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
Total TCDD	ND		1.0	0.20	ng/Kg		11/25/25 18:31	11/30/25 19:36	1
Total TCDF	ND		1.0	0.60	ng/Kg		11/25/25 18:31	11/30/25 19:36	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-1,2,3,4,6,7,8-HpCDD	*86*		*40 - 135*	*11/25/25 18:31*	*11/30/25 19:36*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*81*		*40 - 135*	*11/25/25 18:31*	*11/30/25 19:36*	*1*
13C-1,2,3,4,7,8-HxCDD	*77*		*40 - 135*	*11/25/25 18:31*	*11/30/25 19:36*	*1*
13C-1,2,3,4,7,8-HxCDF	*73*		*40 - 135*	*11/25/25 18:31*	*11/30/25 19:36*	*1*
13C-1,2,3,4,7,8,9-HpCDF	*85*		*40 - 135*	*11/25/25 18:31*	*11/30/25 19:36*	*1*
13C-1,2,3,6,7,8-HxCDD	*76*		*40 - 135*	*11/25/25 18:31*	*11/30/25 19:36*	*1*
13C-1,2,3,6,7,8-HxCDF	*73*		*40 - 135*	*11/25/25 18:31*	*11/30/25 19:36*	*1*
13C-1,2,3,7,8-PeCDD	*52*		*40 - 135*	*11/25/25 18:31*	*11/30/25 19:36*	*1*
13C-1,2,3,7,8-PeCDF	*50*		*40 - 135*	*11/25/25 18:31*	*11/30/25 19:36*	*1*
13C-1,2,3,7,8,9-HxCDD	*81*		*40 - 135*	*11/25/25 18:31*	*11/30/25 19:36*	*1*
13C-1,2,3,7,8,9-HxCDF	*76*		*40 - 135*	*11/25/25 18:31*	*11/30/25 19:36*	*1*
13C-2,3,4,6,7,8-HxCDF	*75*		*40 - 135*	*11/25/25 18:31*	*11/30/25 19:36*	*1*
13C-2,3,4,7,8-PeCDF	*56*		*40 - 135*	*11/25/25 18:31*	*11/30/25 19:36*	*1*
13C-2,3,7,8-TCDD	*55*		*40 - 135*	*11/25/25 18:31*	*11/30/25 19:36*	*1*
13C-2,3,7,8-TCDF	*55*		*40 - 135*	*11/25/25 18:31*	*11/30/25 19:36*	*1*
13C-OCDD	*86*		*40 - 135*	*11/25/25 18:31*	*11/30/25 19:36*	*1*
13C-OCDF	*81*		*40 - 135*	*11/25/25 18:31*	*11/30/25 19:36*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 410-735653/2-A
Matrix: Solid
Analysis Batch: 736227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 735653

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,3,4,6,7,8-HpCDD			100	98.6		ng/Kg		99	79 - 129		
1,2,3,4,6,7,8-HpCDF			100	104		ng/Kg		104	80 - 128		
1,2,3,4,7,8-HxCDD			100	96.7		ng/Kg		97	79 - 134		
1,2,3,4,7,8-HxCDF			100	105		ng/Kg		105	79 - 128		
1,2,3,4,7,8,9-HpCDF			100	101		ng/Kg		101	80 - 127		
1,2,3,6,7,8-HxCDD			100	96.4		ng/Kg		96	78 - 131		
1,2,3,6,7,8-HxCDF			100	102		ng/Kg		102	80 - 128		
1,2,3,7,8-PeCDD			100	104		ng/Kg		104	77 - 137		
1,2,3,7,8-PeCDF			100	101		ng/Kg		101	77 - 140		
1,2,3,7,8,9-HxCDD			100	95.8		ng/Kg		96	80 - 130		
1,2,3,7,8,9-HxCDF			100	105		ng/Kg		105	79 - 127		
2,3,4,6,7,8-HxCDF			100	103		ng/Kg		103	80 - 128		
2,3,4,7,8-PeCDF			100	105		ng/Kg		105	79 - 135		
2,3,7,8-TCDD			20.0	20.9		ng/Kg		104	76 - 136		
2,3,7,8-TCDF			20.0	21.1		ng/Kg		106	76 - 133		
OCDD			200	199		ng/Kg		100	79 - 132		
OCDF			200	194		ng/Kg		97	79 - 129		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-1,2,3,4,6,7,8-HpCDD	*96*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*86*		*40 - 135*
13C-1,2,3,4,7,8-HxCDD	*86*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*80*		*40 - 135*
13C-1,2,3,4,7,8,9-HpCDF	*97*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*88*		*40 - 135*
13C-1,2,3,6,7,8-HxCDF	*83*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*70*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*66*		*40 - 135*
13C-1,2,3,7,8,9-HxCDD	*93*		*40 - 135*
13C-1,2,3,7,8,9-HxCDF	*85*		*40 - 135*
13C-2,3,4,6,7,8-HxCDF	*84*		*40 - 135*
13C-2,3,4,7,8-PeCDF	*70*		*40 - 135*
13C-2,3,7,8-TCDD	*59*		*40 - 135*
13C-2,3,7,8-TCDF	*64*		*40 - 135*
13C-OCDD	*95*		*40 - 135*
13C-OCDF	*91*		*40 - 135*

QC Association Summary

Client: Chemtech Consulting Group Inc.
Job ID: 410-249402-1
Project/Site: AE1-CTY 3.2Z-PR-DOCK-Des-ODC-60693795

Specialty Organics

Prep Batch: 735653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-249402-1	PR132-S15-000008-20251017	Total/NA	Solid	HRMS-Soxtherm	
MB 410-735653/1-A	Method Blank	Total/NA	Solid	HRMS-Soxtherm	
LCS 410-735653/2-A	Lab Control Sample	Total/NA	Solid	HRMS-Soxtherm	

Analysis Batch: 736227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-735653/1-A	Method Blank	Total/NA	Solid	8290A	735653
LCS 410-735653/2-A	Lab Control Sample	Total/NA	Solid	8290A	735653

Analysis Batch: 737256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-249402-1	PR132-S15-000008-20251017	Total/NA	Solid	8290A	735653

General Chemistry

Analysis Batch: 720568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-249402-1	PR132-S15-000008-20251017	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Chemtech Consulting Group Inc.
Job ID: 410-249402-1
Project/Site: AE1-CTY 3.2Z-PR-DOCK-Des-ODC-60693795

Client Sample ID: PR132-S15-000008-20251017
Lab Sample ID: 410-249402-1
Date Collected: 10/21/25 09:00
Matrix: Solid
Date Received: 10/24/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	720568	USWF	ELLE	10/28/25 00:48

Client Sample ID: PR132-S15-000008-20251017
Lab Sample ID: 410-249402-1
Date Collected: 10/21/25 09:00
Matrix: Solid
Date Received: 10/24/25 09:40
Percent Solids: 57.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	HRMS-Soxtherm			735653	SA8Q	ELLE	11/25/25 18:31
Total/NA	Analysis	8290A		1	737256	TJK2	ELLE	12/02/25 03:21

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. Job ID: 410-249402-1
Project/Site: AE1-CTY 3.2Z-PR-DOCK-Des-ODC-60693795

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
8290A	HRMS-Soxtherm	Solid	Total HpCDD
8290A	HRMS-Soxtherm	Solid	Total HpCDF
8290A	HRMS-Soxtherm	Solid	Total HxCDD
8290A	HRMS-Soxtherm	Solid	Total HxCDF
8290A	HRMS-Soxtherm	Solid	Total PeCDD
8290A	HRMS-Soxtherm	Solid	Total PeCDF
8290A	HRMS-Soxtherm	Solid	Total TCDD
8290A	HRMS-Soxtherm	Solid	Total TCDF
Moisture		Solid	Percent Moisture

Method Summary

Client: Chemtech Consulting Group Inc. Job ID: 410-249402-1
Project/Site: AE1-CTY 3.2Z-PR-DOCK-Des-ODC-60693795

Method	Method Description	Protocol	Laboratory
8290A	Dioxins and Furans (HRGC/HRMS)	SW846	ELLE
Moisture	Percent Moisture	EPA	ELLE
HRMS-Soxtherm	Soxtherm Extraction	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

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

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.
Job ID: 410-249402-1
Project/Site: AE1-CTY 3.2Z-PR-DOCK-Des-ODC-60693795

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-249402-1	PR132-S15-000008-20251017	Solid	10/21/25 09:00	10/24/25 09:40	New York

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
WWW.CHEMTECH.NET

410-249402 Chain of Custody

CHAIN OF CUSTODY RECORD

Sub Lab INFORMATION	CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION
COMPANY : EUROFINS Lancaster Laboratories	ORDER ID : Q3423		BILL TO: CHEMTECH PO# : Q3423
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. GRABS

ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	TAT DAYS
01	PR132-S15-000008-20251017	Solid	Dioxin 522	1:1 HNO3 to pH < 2	Chemtech -SOP	10/21/2025	09:00:00	1	10

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
1.	10/22/25	1.		Ice or Cooler?
RELINQUISHED BY:	DATETIME:	RECEIVED BY:		
2.		2.		
RELINQUISHED BY:	DATETIME:	RECEIVED BY:	☐ OVERNIGHT	Shipment Complete:
3.	10/22/25 0940	3.	Page 1 of 1 ☐ OVERNIGHT	☐ YES ☐ NO

Rev. 1.9 eff. 7.0

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q3422
QUOTE NO.
COC Number 2045128 Q3423

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
PROJECT NO.: 60693795 LOCATION: Staten Isl
PROJECT MANAGER: Rob Forstner
e-mail: Robert.Forstner@aecom.com
PHONE: 11 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#:
ADDRESS: 11
CITY STATE: ZIP:
ATTENTION: Rob Forstner PHONE: 11

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 + Raw Data) ☐ NYS ASP A ☑ NYS ASP B
☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

1: SVOCs 2: Pesticides TCL 3: Hg, Metals 4: PCBs, HexChrome 5: Dioxin- 6: Grain Size 7: TOCs 8: VOCs 9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	PR132-FB2-20251021	A		X	10/21	13:30	1	X	X	X	X	X			X		
2.	PR132-S15-000008-20251021	S		X	10/21	9:00	11	X	X	X	X	X	X	X	X		
3.	Temp Blank	A			10/21		1	X	X	X	X	X			X		
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

Specify Preservatives: A-HCl B-HN03 C-H2SO4 D-NaOH E-ICE F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Jim Alderson	10/21/25 1730	1. 10-21-25 1635
2.	DATE/TIME:	2.
3.	DATE/TIME: 10-21-25 1740	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.5 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Login Sample Receipt Checklist

Client: Chemtech Consulting Group Inc.

Job Number: 410-249402-1

Login Number: 249402

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Knoedler, Christine M

Question	Answer	Comment
The cooler's custody seal is intact.	True	
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(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, 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 >6mm in diameter (none, if from WV)?	N/A	