

SUB DATA PACKAGE

PROJECT NAME: PGW RICHMOND

TETRA TECH NUS, INC.
661 Andersen Drive
Suite 200
Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID: P4367

ATTENTION: Sean Fullmer







Cover Page

Order ID: P4367

Project ID: PGW Richmond

Client: Tetra Tech NUS, Inc.

Lab Sample Number

Client Sample Number

P4367-01	SB-01-2.5-3.0
P4367-02	SB-01-4.25-4.83
P4367-03	SB-02-2.0-2.5
P4367-04	SB-02-4.5-5.0
P4367-05	SB-03-2.0-2.5
P4367-06	SB-03-4.167-4.667
P4367-07	SB-04-2.0-2.5
P4367-08	SB-04-4.5-5.0

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 :			
Signature .	Da	te:	11/4/2024

NYDOH CERTIFICATION NO - 11376 NJDEP CERTIFICATION NO - 20012

P4367 2 of 28

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/4/2024 8:12:03 AM

JOB DESCRIPTION

PGW Richmond

JOB NUMBER

410-192637-1

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

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

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.

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Barb Weyandt

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Definitions/Glossary

Client: Chemtech Consulting Group Inc.

Job ID: 410-192637-1

Project/Site: PGW Richmond

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description	
cn	Refer to Case Narrative for further detail	
Н	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.	
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

NEG	Negative / Absent
POS	Positive / Present

PQL Practical Quantitation Limit

PRES	Presumptive
QC	Quality Control

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Case Narrative

Client: Chemtech Consulting Group Inc.

Project: PGW Richmond

Job ID: 410-192637-1

Eurofins Lancaster Laboratories Environment

Job ID: 410-192637-1

Job Narrative 410-192637-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be 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.

Receipt

The samples were received on 10/16/2024 10:30 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 2.0°C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received. The COC is missing the Sample Type (Grab or Composite). This does not meet regulatory requirements.

GC Semi VOA

Method 8015D DAI - Soluble: The following sample(s) was analysis was added past holding time. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: SB-02-2.0-2.5 (410-192637-3), SB-02-4.5-5.0 (410-192637-4), SB-04-2.0-2.5 (410-192637-7) and SB-04-4.5-5.0 (410-192637-8).

Method 8015D DAI - Soluble: The method blank for preparation batch 410-569616 contained Methanol above the method detection limit (MDL). None of the samples associated with this method blank contained the target compound; therefore, reextraction and/or re-analysis of samples were not performed.

Method 8015D DAI - Soluble: The following sample(s) was analysis added past hold. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: SB-01-2.5-3.0 (410-192637-1), SB-01-4.25-4.83 (410-192637-2), SB-03-2.0-2.5 (410-192637-5) and SB-03-4.167-4.667 (410-192637-6).

Method 8015D DAI - Soluble: The method blank for preparation batch 410-570403 and analytical batch 410-570503 contained Methanol above the method detection limit (MDL). This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore the MDL was raised to the RL as sample was past holding time, re-extraction and/or re-analysis of samples was not performed.

Method 8015D_DAI_G - Soluble: The following sample(s) analysis was added past holding time. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: SB-01-2.5-3.0 (410-192637-1), SB-01-4.25-4.83 (410-192637-2), SB-02-2.0-2.5 (410-192637-3), SB-02-4.5-5.0 (410-192637-4), SB-03-2.0-2.5 (410-192637-5), SB-03-4.167-4.667 (410-192637-6), SB-04-2.0-2.5 (410-192637-7), SB-04-4.5-5.0 (410-192637-8), (410-192637-A-1-A MS) and (410-192637-A-1-B MSD).

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

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Detection Summary

Project/Site: PGW Richmond	
Client Sample ID: SB-01-2.5-3.0	Lab Sample ID: 410-192637-1
No Detections.	
Client Sample ID: SB-01-4.25-4.83	Lab Sample ID: 410-192637-2
No Detections.	
Client Sample ID: SB-02-2.0-2.5	Lab Sample ID: 410-192637-3
No Detections.	
Client Sample ID: SB-02-4.5-5.0	Lab Sample ID: 410-192637-4
No Detections.	
Client Sample ID: SB-03-2.0-2.5	Lab Sample ID: 410-192637-5
No Detections.	
Client Sample ID: SB-03-4.167-4.667	Lab Sample ID: 410-192637-6
No Detections.	
Client Sample ID: SB-04-2.0-2.5	Lab Sample ID: 410-192637-7
No Detections.	
Client Sample ID: SB-04-4.5-5.0	Lab Sample ID: 410-192637-8

This Detection Summary does not include radiochemical test results.

Client: Chemtech Consulting Group Inc.

No Detections.

Job ID: 410-192637-1

Client: Chemtech Consulting Group Inc.

Project/Site: PGW Richmond

Client Sample ID: SB-01-2.5-3.0

Date Collected: 10/04/24 10:00 Date Received: 10/16/24 10:30

Lab Sample ID: 410-192637-1

Matrix: Solid Percent Solids: 88.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methanol (1C)	ND	H cn	1100	1100	ug/Kg	*		11/01/24 23:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Acetone (1C)	99	cn	47 - 150			-		11/01/24 23:14	1
Acetone (2C)	100	cn	47 - 150					11/01/24 23:14	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene glycol	ND	H cn	17	7.8	mg/Kg	<u></u>		10/29/24 16:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetramethylene glycol (Surr)	59	cn	5 - 131			-		10/29/24 16:58	1

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.7		1.0	1.0	%			10/21/24 07:39	1

Client Sample ID: SB-01-4.25-4.83 Lab Sample ID: 410-192637-2 Date Collected: 10/04/24 10:30 **Matrix: Solid**

Date Received: 10/16/24 10:30 Percent Solids: 87.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Methanol (1C)	ND	H cn	1100	1100	ug/Kg	#		11/01/24 23:30	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Acetone (1C)	87	cn	47 - 150			_		11/01/24 23:30	
Acetone (2C)	86	cn	47 - 150					11/01/24 23:30	
- Method: SW846 8015D - G	lycols- Direct Injection	on (GC/FID)	- Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene glycol	ND	H cn	18	8.2	mg/Kg	— <u> </u>		10/29/24 17:43	-

Surrogate	%Recovery	Qualifier	Limits	1	Prepared	Analyzed	Dil Fac
Tetramethylene glycol (Surr)	54	cn	5 - 131			10/29/24 17:43	1
_							

General Chemistry							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.9	1.0	1.0 %			10/21/24 07:39	1

Client Sample ID: SB-02-2.0-2.5 Lab Sample ID: 410-192637-3 Date Collected: 10/04/24 11:05 **Matrix: Solid** Date Received: 10/16/24 10:30 Percent Solids: 84.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methanol (1C)	ND	H cn	1200	230	ug/Kg	≎		10/30/24 19:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Acetone (1C)	73	cn	47 - 150			-		10/30/24 19:08	1
Acetone (2C)	70	cn	47 - 150					10/30/24 19:08	1

Project/Site: PGW Richmond

Client Sample ID: SB-02-2.0-2.5

Date Collected: 10/04/24 11:05

Date Received: 10/16/24 10:30

Lab Sample ID: 410-192637-3

	Matrix: Solid
P	ercent Solids: 84.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene glycol	ND	H cn	18	8.2	mg/Kg	₩		10/29/24 17:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetramethylene glycol (Surr)	62	cn	5 - 131			-		10/29/24 17:57	1

Analyte Result Qualifier RLMDL Unit Prepared Analyzed Dil Fac **Percent Moisture (EPA Moisture)** 15.2 1.0 1.0 % 10/21/24 07:39

Client Sample ID: SB-02-4.5-5.0 Lab Sample ID: 410-192637-4

Date Collected: 10/04/24 11:39 Date Received: 10/16/24 10:30

Matrix: Solid

Percent Solids: 85.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methanol (1C)	ND	H cn	1200	230	ug/Kg	₩		10/30/24 19:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Acetone (1C)	79	cn	47 - 150			-		10/30/24 19:24	1
Acetone (2C)	76	cn	47 - 150					10/30/24 19:24	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene glycol	ND	H cn	18	8.2	mg/Kg	₩		10/29/24 18:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetramethylene glycol (Surr)		cn	5 - 131			-		10/29/24 18:12	1

Percent Moisture (EPA Moisture) 15.0 1.0 1.0 % 10/21/24 07:39 Client Sample ID: SB-03-2.0-2.5 Lab Sample ID: 410-192637-5

RL

MDL Unit

Result Qualifier

Date Collected: 10/04/24 13:03 Date Received: 10/16/24 10:30

Analyte

Matrix: Solid Percent Solids: 90.5

Analyzed

Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methanol (1C)	ND	H cn	1100	1100	ug/Kg	₩		11/01/24 23:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Acetone (1C)	100	cn	47 - 150			_		11/01/24 23:46	1
Acetone (2C)	99	cn	47 - 150					11/01/24 23:46	1

Ethylene glycol ND H cn 17 7.8 mg/Kg 10/29/24 18:27 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac Tetramethylene glycol (Surr) 52 cn 5 - 131 10/29/24 18:27

Prepared

Client: Chemtech Consulting Group Inc.

Project/Site: PGW Richmond

Client Sample ID: SB-03-2.0-2.5

Date Collected: 10/04/24 13:03

Date Received: 10/16/24 10:30

Lab Sample ID: 410-192637-5

Matrix: Solid Percent Solids: 90.5

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.5		1.0	1.0	%			10/21/24 07:39	1

Client Sample ID: SB-03-4.167-4.667

Date Collected: 10/04/24 13:44 Date Received: 10/16/24 10:30

Lab Sample ID: 410-192637-6

Matrix: Solid Percent Solids: 85.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methanol (1C)	ND	H cn	1200	1200	ug/Kg	₩		11/02/24 00:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Acetone (1C)	93	cn	47 - 150			=		11/02/24 00:01	1
Acetone (2C)	93	cn	47 - 150					11/02/24 00:01	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene glycol	ND	H cn	18	8.3	mg/Kg	₩		10/29/24 18:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetramethylene glycol (Surr)		cn	5 - 131			_		10/29/24 18:42	1

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	14.5		1.0	1.0	%			10/21/24 07:39	1

Client Sample ID: SB-04-2.0-2.5 Lab Sample ID: 410-192637-7 Date Collected: 10/04/24 14:32 Matrix: Solid Date Received: 10/16/24 10:30 Percent Solids: 85.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methanol (1C)	ND	H cn	1200	230	ug/Kg	‡		10/30/24 20:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Acetone (2C)		cn	47 - 150			_		10/30/24 20:28	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene glycol	ND	H cn	18	8.5	mg/Kg	*		10/29/24 18:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetramethylene glycol (Surr)	49	cn	5 - 131			-		10/29/24 18:56	1

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	14.8		1.0	1.0	%			10/21/24 07:39	1

Client Sample Results

Client: Chemtech Consulting Group Inc.

Job ID: 410-192637-1

Project/Site: PGW Richmond

Percent Moisture (EPA Moisture)

Client Sample ID: SB-04-4.5-5.0 Lab Sample ID: 410-192637-8

Date Collected: 10/04/24 14:45 Matrix: Solid

Date Received: 10/16/24 10:30 Percent Solids: 77.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methanol (1C)	ND	H cn	1300	260	ug/Kg	₽		10/30/24 20:44	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Acetone (1C)	83	cn	47 - 150			-		10/30/24 20:44	1
Acetone (2C)	80	cn	47 - 150					10/30/24 20:44	
Method: SW846 8015D - Glyc Analyte	•	on (GC/FID) Qualifier	- Soluble RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte	Result	Qualifier	RL				Prepared	. <u> </u>	Dil Fac
Analyte	•			MDL 9.1	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 10/29/24 19:11	Dil Fac
•	Result	Qualifier H cn	RL				Prepared Prepared	. <u> </u>	
Analyte Ethylene glycol	Result ND	Qualifier H cn Qualifier	RL				· ·	10/29/24 19:11	
Analyte Ethylene glycol Surrogate	Result ND %Recovery	Qualifier H cn Qualifier	RL 19 <i>Limits</i>				· ·	10/29/24 19:11 Analyzed	Dil Fac

1.0

22.8

1.0 %

6

10

11

12

10/21/24 07:39

Job ID: 410-192637-1

Client: Chemtech Consulting Group Inc. Project/Site: PGW Richmond

Method: 8015D - Alcohols with GC/FID Direct Aqueous Injection

Matrix: Solid **Prep Type: Soluble**

				Percent Surrogate Recovery (Acceptance Limits)
		Acetone1	Acetone2	
Lab Sample ID	Client Sample ID	(47-150)	(47-150)	
410-192637-1	SB-01-2.5-3.0	99 cn	100 cn	
410-192637-2	SB-01-4.25-4.83	87 cn	86 cn	
410-192637-3	SB-02-2.0-2.5	73 cn	70 cn	
410-192637-4	SB-02-4.5-5.0	79 cn	76 cn	
410-192637-5	SB-03-2.0-2.5	100 cn	99 cn	
410-192637-6	SB-03-4.167-4.667	93 cn	93 cn	
410-192637-7	SB-04-2.0-2.5		77 cn	
410-192637-8	SB-04-4.5-5.0	83 cn	80 cn	
LCS 410-569616/2-A	Lab Control Sample		129	
LCS 410-570403/2-A	Lab Control Sample	94	92	
MB 410-569616/1-A	Method Blank	131	128	
MB 410-570403/1-A	Method Blank	95	95	
Surrogate Legend				
Acetone = Acetone				

Method: 8015D - Glycols- Direct Injection (GC/FID)

Matrix: Solid **Prep Type: Soluble**

			Percent Surrogate Recovery (Acceptance Limits)
		14BD	
Lab Sample ID	Client Sample ID	(5-131)	
410-192637-1	SB-01-2.5-3.0	59 cn	
410-192637-1 MS	SB-01-2.5-3.0	93 cn	
410-192637-1 MSD	SB-01-2.5-3.0	91 cn	
410-192637-2	SB-01-4.25-4.83	54 cn	
410-192637-3	SB-02-2.0-2.5	62 cn	
410-192637-4	SB-02-4.5-5.0	49 cn	
410-192637-5	SB-03-2.0-2.5	52 cn	
410-192637-6	SB-03-4.167-4.667	56 cn	
410-192637-7	SB-04-2.0-2.5	49 cn	
410-192637-8	SB-04-4.5-5.0	53 cn	

14BD = Tetramethylene glycol (Surr)

11/4/2024

Prep Type: Soluble

Client Sample ID: SB-01-2.5-3.0

Client Sample ID: SB-01-2.5-3.0

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Project/Site: PGW Richmond

Method: 8015D - Glycols- Direct Injection (GC/FID)

Lab Sample ID: 410-192637-1 MS

Analysis Batch: 568979

Matrix: Solid

_	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylene glycol	ND	H cn	113	98.0	cn	mg/Kg	₩	87	76 - 124	

MS MS Surrogate %Recovery Qualifier Limits Tetramethylene glycol (Surr) 93 cn 5 - 131

Lab Sample ID: 410-192637-1 MSD

Matrix: Solid

Analysis Batch: 568979

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Ethylene glycol	ND	H cn	117	105	cn	mg/Kg	*	90	76 - 124	7	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								

5 - 131

Method: 8015D - Alcohols with GC/FID Direct Aqueous Injection

91 cn

Lab Sample ID: MB 410-569616/1-A

Matrix: Solid

Analysis Batch: 569658

Tetramethylene glycol (Surr)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methanol (2C)	609	J	1000	200	ug/Kg			10/30/24 17:32	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Acetone (1C)	131		47 - 150			_		10/30/24 17:32	1
Acetone (2C)	128		47 - 150					10/30/24 17:32	1

Lab Sample ID: LCS 410-569616/2-A

Matrix: Solid

Analysis Batch: 569658

		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Methanol (2C)	 	2510	2950		ug/Kg		117	71 - 136	

LCS LCS

Surrogate %Recovery Qualifier Limits Acetone (2C) 129 47 - 150

Lab Sample ID: MB 410-570403/1-A

Matrix: Solid

Analysis Batch: 570503									
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methanol (1C)	ND		1000	1000	ug/Kg			11/01/24 17:28	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Acetone (1C)	95		47 _ 150			-		11/01/24 17:28	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Chemtech Consulting Group Inc.

Job ID: 410-192637-1

Project/Site: PGW Richmond

Method: 8015D - Alcohols with GC/FID Direct Aqueous Injection (Continued)

Lab Sample ID: MB 410-570403/1-A

Matrix: Solid

Analysis Batch: 570503

Client Sample ID: Method Blank

Prep Type: Soluble

 MB
 MB

 %Recovery
 Qualifier
 Limits
 Prepared
 Analyzed
 Dil Fac

 95
 47 - 150
 11/01/24 17:28
 1

Lab Sample ID: LCS 410-570403/2-A

Matrix: Solid

Analysis Batch: 570503

 Surrogate
 %Recovery
 Qualifier
 Limits

 Acetone (2C)
 95
 47 - 150

Client Sample ID: Lab Control Sample

Prep Type: Soluble

 Analyte
 Added Methanol (2C)
 Result 2520
 Qualifier 2520
 Unit Ug/Kg
 D MRec 1576
 Methanol (2C)

 Surrogate
 %Recovery
 Qualifier
 Limits

 Acetone (1C)
 94
 47 - 150

 Acetone (2C)
 92
 47 - 150

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QC Association Summary

Client: Chemtech Consulting Group Inc.

Job ID: 410-192637-1

Project/Site: PGW Richmond

GC Semi VOA

Analysis Batch: 568979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-192637-1	SB-01-2.5-3.0	Soluble	Solid	8015D	569061
410-192637-2	SB-01-4.25-4.83	Soluble	Solid	8015D	569061
410-192637-3	SB-02-2.0-2.5	Soluble	Solid	8015D	569061
410-192637-4	SB-02-4.5-5.0	Soluble	Solid	8015D	569061
410-192637-5	SB-03-2.0-2.5	Soluble	Solid	8015D	569061
410-192637-6	SB-03-4.167-4.667	Soluble	Solid	8015D	569061
410-192637-7	SB-04-2.0-2.5	Soluble	Solid	8015D	569061
410-192637-8	SB-04-4.5-5.0	Soluble	Solid	8015D	569061
410-192637-1 MS	SB-01-2.5-3.0	Soluble	Solid	8015D	569061
410-192637-1 MSD	SB-01-2.5-3.0	Soluble	Solid	8015D	569061

Leach Batch: 569061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-192637-1	SB-01-2.5-3.0	Soluble	Solid	DI Leach	
410-192637-2	SB-01-4.25-4.83	Soluble	Solid	DI Leach	
410-192637-3	SB-02-2.0-2.5	Soluble	Solid	DI Leach	
410-192637-4	SB-02-4.5-5.0	Soluble	Solid	DI Leach	
410-192637-5	SB-03-2.0-2.5	Soluble	Solid	DI Leach	
410-192637-6	SB-03-4.167-4.667	Soluble	Solid	DI Leach	
410-192637-7	SB-04-2.0-2.5	Soluble	Solid	DI Leach	
410-192637-8	SB-04-4.5-5.0	Soluble	Solid	DI Leach	
410-192637-1 MS	SB-01-2.5-3.0	Soluble	Solid	DI Leach	
410-192637-1 MSD	SB-01-2.5-3.0	Soluble	Solid	DI Leach	

Leach Batch: 569616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
410-192637-3	SB-02-2.0-2.5	Soluble	Solid	DI Leach	_
410-192637-4	SB-02-4.5-5.0	Soluble	Solid	DI Leach	
410-192637-7	SB-04-2.0-2.5	Soluble	Solid	DI Leach	
410-192637-8	SB-04-4.5-5.0	Soluble	Solid	DI Leach	
MB 410-569616/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 410-569616/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Analysis Batch: 569658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-192637-3	SB-02-2.0-2.5	Soluble	Solid	8015D	569616
410-192637-4	SB-02-4.5-5.0	Soluble	Solid	8015D	569616
410-192637-7	SB-04-2.0-2.5	Soluble	Solid	8015D	569616
410-192637-8	SB-04-4.5-5.0	Soluble	Solid	8015D	569616
MB 410-569616/1-A	Method Blank	Soluble	Solid	8015D	569616
LCS 410-569616/2-A	Lab Control Sample	Soluble	Solid	8015D	569616

Leach Batch: 570403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-192637-1	SB-01-2.5-3.0	Soluble	Solid	DI Leach	_
410-192637-2	SB-01-4.25-4.83	Soluble	Solid	DI Leach	
410-192637-5	SB-03-2.0-2.5	Soluble	Solid	DI Leach	
410-192637-6	SB-03-4.167-4.667	Soluble	Solid	DI Leach	
MB 410-570403/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 410-570403/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Eurofins Lancaster Laboratories Environment Testing, LLC

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QC Association Summary

Client: Chemtech Consulting Group Inc.

Job ID: 410-192637-1

Project/Site: PGW Richmond

GC Semi VOA

Analysis Batch: 570503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-192637-1	SB-01-2.5-3.0	Soluble	Solid	8015D	570403
410-192637-2	SB-01-4.25-4.83	Soluble	Solid	8015D	570403
410-192637-5	SB-03-2.0-2.5	Soluble	Solid	8015D	570403
410-192637-6	SB-03-4.167-4.667	Soluble	Solid	8015D	570403
MB 410-570403/1-A	Method Blank	Soluble	Solid	8015D	570403
LCS 410-570403/2-A	Lab Control Sample	Soluble	Solid	8015D	570403

General Chemistry

Analysis Batch: 565538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-192637-1	SB-01-2.5-3.0	Total/NA	Solid	Moisture	
410-192637-2	SB-01-4.25-4.83	Total/NA	Solid	Moisture	
410-192637-3	SB-02-2.0-2.5	Total/NA	Solid	Moisture	
410-192637-4	SB-02-4.5-5.0	Total/NA	Solid	Moisture	
410-192637-5	SB-03-2.0-2.5	Total/NA	Solid	Moisture	
410-192637-6	SB-03-4.167-4.667	Total/NA	Solid	Moisture	
410-192637-7	SB-04-2.0-2.5	Total/NA	Solid	Moisture	
410-192637-8	SB-04-4.5-5.0	Total/NA	Solid	Moisture	

0-192037-1

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Client: Chemtech Consulting Group Inc.

Project/Site: PGW Richmond

Client Sample ID: SB-01-2.5-3.0

Date Collected: 10/04/24 10:00 Date Received: 10/16/24 10:30

Lab Sample ID: 410-192637-1

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	Moisture		1	565538	E5GC	ELLE	10/21/24 07:39

Client Sample ID: SB-01-2.5-3.0 Lab Sample ID: 410-192637-1

Date Collected: 10/04/24 10:00

Date Received: 10/16/24 10:30

Matrix: Solid Percent Solids: 88.3

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			570403	WZ6J	ELLE	11/01/24 13:08
Soluble	Analysis	8015D		1	570503	LXF2	ELLE	11/01/24 23:14
Soluble	Leach	DI Leach			569061	KP5X	ELLE	10/29/24 13:19
Soluble	Analysis	8015D		1	568979	LXF2	ELLE	10/29/24 16:58

Client Sample ID: SB-01-4.25-4.83 Lab Sample ID: 410-192637-2

Date Collected: 10/04/24 10:30 Date Received: 10/16/24 10:30

Batch Batch Dilution Batch Prepared Prep Type Type Method Run Factor Number Analyst Lab or Analyzed 10/21/24 07:39

565538 E5GC ELLE Total/NA Analysis Moisture

Client Sample ID: SB-01-4.25-4.83 Lab Sample ID: 410-192637-2 Date Collected: 10/04/24 10:30 Matrix: Solid Date Received: 10/16/24 10:30 Percent Solids: 87.1

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			570403	WZ6J	ELLE	11/01/24 13:08
Soluble	Analysis	8015D		1	570503	LXF2	ELLE	11/01/24 23:30
Soluble	Leach	DI Leach			569061	KP5X	ELLE	10/29/24 13:19
Soluble	Analysis	8015D		1	568979	LXF2	ELLE	10/29/24 17:43

Client Sample ID: SB-02-2.0-2.5 Lab Sample ID: 410-192637-3

Date Collected: 10/04/24 11:05 Matrix: Solid Date Received: 10/16/24 10:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	Moisture		1	565538	E5GC	ELLE	10/21/24 07:39

Client Sample ID: SB-02-2.0-2.5 Lab Sample ID: 410-192637-3

Date Collected: 10/04/24 11:05 **Matrix: Solid** Date Received: 10/16/24 10:30 Percent Solids: 84.8

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			569616	WZ6J	ELLE	10/30/24 15:00
Soluble	Analysis	8015D		1	569658	LXF2	ELLE	10/30/24 19:08
Soluble	Leach	DI Leach			569061	KP5X	ELLE	10/29/24 13:19
Soluble	Analysis	8015D		1	568979	LXF2	ELLE	10/29/24 17:57

Client: Chemtech Consulting Group Inc.

Project/Site: PGW Richmond

Client Sample ID: SB-02-4.5-5.0

Date Collected: 10/04/24 11:39 Date Received: 10/16/24 10:30

Lab Sample ID: 410-192637-4

Matrix: Solid

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	Moisture		1	565538	E5GC	ELLE	10/21/24 07:39

Client Sample ID: SB-02-4.5-5.0 Lab Sample ID: 410-192637-4

Date Collected: 10/04/24 11:39

Date Received: 10/16/24 10:30 Percent Solids: 85.0

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			569616	WZ6J	ELLE	10/30/24 15:00
Soluble	Analysis	8015D		1	569658	LXF2	ELLE	10/30/24 19:24
Soluble	Leach	DI Leach			569061	KP5X	ELLE	10/29/24 13:19
Soluble	Analysis	8015D		1	568979	LXF2	ELLE	10/29/24 18:12

Client Sample ID: SB-03-2.0-2.5 Lab Sample ID: 410-192637-5

Date Collected: 10/04/24 13:03 Date Received: 10/16/24 10:30

Batch Batch Dilution Batch Prepared Prep Type Type Method Run Factor Number Analyst Lab or Analyzed

10/21/24 07:39 565538 E5GC ELLE Total/NA Analysis Moisture

Client Sample ID: SB-03-2.0-2.5

Lab Sample ID: 410-192637-5 Date Collected: 10/04/24 13:03 **Matrix: Solid** Date Received: 10/16/24 10:30 Percent Solids: 90.5

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			570403	WZ6J	ELLE	11/01/24 13:08
Soluble	Analysis	8015D		1	570503	LXF2	ELLE	11/01/24 23:46
Soluble	Leach	DI Leach			569061	KP5X	ELLE	10/29/24 13:19
Soluble	Analysis	8015D		1	568979	LXF2	ELLE	10/29/24 18:27

Client Sample ID: SB-03-4.167-4.667 Lab Sample ID: 410-192637-6

Date Collected: 10/04/24 13:44 Matrix: Solid Date Received: 10/16/24 10:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	Moisture		1	565538	E5GC	ELLE	10/21/24 07:39

Client Sample ID: SB-03-4.167-4.667 Lab Sample ID: 410-192637-6

Date Collected: 10/04/24 13:44 **Matrix: Solid** Date Received: 10/16/24 10:30 Percent Solids: 85.5

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			570403	WZ6J	ELLE	11/01/24 13:08
Soluble	Analysis	8015D		1	570503	LXF2	ELLE	11/02/24 00:01
Soluble	Leach	DI Leach			569061	KP5X	ELLE	10/29/24 13:19
Soluble	Analysis	8015D		1	568979	LXF2	ELLE	10/29/24 18:42

Lab Chronicle

Client: Chemtech Consulting Group Inc.

Client Sample ID: SB-04-2.0-2.5

Project/Site: PGW Richmond

Lab Sample ID: 410-192637-7

Matrix: Solid

Job ID: 410-192637-1

Date Collected: 10/04/24 14:32 Date Received: 10/16/24 10:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	Moisture		1	565538	E5GC	ELLE	10/21/24 07:39

Client Sample ID: SB-04-2.0-2.5 Lab Sample ID: 410-192637-7

Date Collected: 10/04/24 14:32 **Matrix: Solid**

Date Received: 10/16/24 10:30 Percent Solids: 85.2

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			569616	WZ6J	ELLE	10/30/24 15:00
Soluble	Analysis	8015D		1	569658	LXF2	ELLE	10/30/24 20:28
Soluble	Leach	DI Leach			569061	KP5X	ELLE	10/29/24 13:19
Soluble	Analysis	8015D		1	568979	LXF2	ELLE	10/29/24 18:56

Client Sample ID: SB-04-4.5-5.0 Lab Sample ID: 410-192637-8

Date Collected: 10/04/24 14:45 **Matrix: Solid**

Date Received: 10/16/24 10:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	Moisture			565538	E5GC	ELLE	10/21/24 07:39

Lab Sample ID: 410-192637-8 Client Sample ID: SB-04-4.5-5.0

Date Collected: 10/04/24 14:45 **Matrix: Solid**

Date Received: 10/16/24 10:30 Percent Solids: 77.2

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			569616	WZ6J	ELLE	10/30/24 15:00
Soluble	Analysis	8015D		1	569658	LXF2	ELLE	10/30/24 20:44
Soluble	Leach	DI Leach			569061	KP5X	ELLE	10/29/24 13:19
Soluble	Analysis	8015D		1	568979	LXF2	ELLE	10/29/24 19:11

Laboratory References:

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

11/4/2024

Accreditation/Certification Summary

Client: Chemtech Consulting Group Inc. Job ID: 410-192637-1

Project/Site: PGW Richmond

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Progra	am	Identification Number	Expiration Date
Pennsylvania	NELA	Р	36-00037	01-31-25
The following analytes	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t mav include analytes
0 ,	oes not offer certification.			aye.aae aa.y tee
Analysis Method	Prep Method	Matrix	Analyte	
Moisture		Solid	Percent Moisture	

Method Summary

Client: Chemtech Consulting Group Inc.

Project/Site: PGW Richmond

Job ID: 410-192637-1

Method	Method Description	Protocol	Laboratory
8015D	Alcohols with GC/FID Direct Aqueous Injection	SW846	ELLE
8015D	Glycols- Direct Injection (GC/FID)	SW846	ELLE
Moisture	Percent Moisture	EPA	ELLE
DI Leach	Deionized Water Leaching Procedure	ASTM	ELLE

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:

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

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Sample Summary

Client: Chemtech Consulting Group Inc.

Project/Site: PGW Richmond

Job ID: 410-192637-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-192637-1	SB-01-2.5-3.0	Solid	10/04/24 10:00	10/16/24 10:30
410-192637-2	SB-01-4.25-4.83	Solid	10/04/24 10:30	10/16/24 10:30
410-192637-3	SB-02-2.0-2.5	Solid	10/04/24 11:05	10/16/24 10:30
410-192637-4	SB-02-4.5-5.0	Solid	10/04/24 11:39	10/16/24 10:30
410-192637-5	SB-03-2.0-2.5	Solid	10/04/24 13:03	10/16/24 10:30
410-192637-6	SB-03-4.167-4.667	Solid	10/04/24 13:44	10/16/24 10:30
410-192637-7	SB-04-2.0-2.5	Solid	10/04/24 14:32	10/16/24 10:30
410-192637-8	SB-04-4.5-5.0	Solid	10/04/24 14:45	10/16/24 10:30

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CHEMTECH PROJECT NO. QUOTE NO. P4364

COC Number 2041919P4367

200 1 1 1 1	CLIENT INFORMATION					C	LIENT P	ROJECT IN	FORMA	TION		2			M	CLIEN	T BILLI	NG INFO	DRMATION	
COMPANY:		TTO BE SENT TO:		PROJE	CT N	AME		W -				7	BILLT	O: 4	SAN	1=	AS	5	PO#:	
ADDRESS: 4	234 Mall	Boulevard		PROJEC	CT NO	Qib	柜业	Q2-	109 TION:	035	2		ADDR	ESS:	6	レルミ	WT			
CITY KINS	of pruss! o	STATE: PA	ZIP: 19406	PROJEC	CT MA	NAGE	ER:	SEAR	F	ue	ME	2	CITY					STAT	E:	ZIP:
ATTENTION:				e-mail:	5	ea	2.2	FIL r	nev	@te	treit	dul	ATELA	TION:				PHQ	NE:	
PHONE:		FAX:		PHONE	lala	- 3	397-	3474	χ.	NA					De		ANA	Lysis	9	
	DATA TURNAR	OUND INFORMATION	ON	THORE	100			RABLE IN				-		. 4		N	111	2000		
EDD: 5	HARDCOPY (DATA PACKAGE): EDD: 5-PAY TAT DAYS' TO BE APPROVED BY CHEMTECH STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAY CHEMTECH SAMPLE PROJECT				I 2 (Res	sults + sults + a)	QC) 🗆	Level 4 (QC NJ Reduced NYS ASP A Other	d 🗆 US	aw Data EPA CL EASP B) NR	ANDE STAN	/ 4	SERVA	/ 6	100 T	100	DVQ 1		MMENTS
CHEMTECH	SAMPLE PROJECT				SAM			MPLE ECTION	TTLES	ale	a)	Ji		ZIIIYA	,		**		← Specif	y Preservatives
SAMPLE ID	SA	MPLE IDENTIFICA	TION	SAMPLE MATRIX	COMP	GRAB	DATE	TIME	# OF BOTTLES	1	N/A	11/A-	N/A-	5	N/A	NA	8	9	A-HCI B-HN03 C-H2SO4	D-NaOH E-ICE F-OTHER
1.	58-0	1-1.0-	1,5	50		V	10/4	9:38	1		V		X							
2.		- 2.5- 3		50		¥	10/4	10:00	3	X	χ	χ	У		V	X				
3.		- 4.25 -		50		X	10/4	10:3		γ	V	V	X		8	X				
4.	SB-02	0.167 -	-0.667	50		X	10/4	11:00	1		×		X							
5.	SB-07	2-2.0-	2.5	50		X	10/4	11:05	3	X	×	X	X		X	X				
6.	2B - 05	- 4.5 - 5	.0	50		X	10/4	11:39	3	X	X	X	X		X	X				
7.	SB-03	1-0.167-	0.667	50		X	10/4	12:39	1		X		X							
8.		-2.0-2.		50		X	10/4	13:03	3	Х	X	X			X	X				
9.		-4.167-		50		X	194	13:44	3	K	X	X			X	X				
10.	SB-04	- 0-167 -	0.667	50		X	10/4	14:14			X		X							
RELINQUISHED BY ANTON G. 1	Y SAMPLER:	DATE/TIME: ds/24 5 5 DATE/TIME: (00 d) DATE/TIME: (10 d)	RECEIVED BY:	UMENTEI	J BEL	OW E	74-1		or cooler	y	ot: □ C	COMPLIAN	Γ Ω NON	COMPLIA	NT 0	COOLER T	EMP	3.7		С
3.			3.				Page	of _	2	CLIENT CHEMTE		Hand D		□ Of	ner Id Samp	oling				Complete NO



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CHEMTECH PROJECT NO.
QUOTE NO.

COC Number 2041920 P4367

	CLIENT	INFORMATION	77 77 78	*	100	_		ROJECT IN				3	123	10		CLIEN	IT BILLI	NG INFO	ORMATION	
COMPANY:	jetra rec	TTO BE SENT TO:		PROJE	ECT N	IAME	PGW	-Rich	MON	d			BILL 1	TO:	Sal	ne	as		PO#:	
ADDRESS: 4	234 Mall	Baulevard		PROJEC	OT NO	au	·比拼(λ 24090 LOCA	3.5 TION:				ADDRESS: Client							
CITY KINS	of lrussia	STATE: PA	ZIP: 19406					san fu		5	_						ZIP:			
ATTENTION:		011112						ver @			CON	٨		NTION:				PHO		dell e
		EAV	-	-			32-37	-11	x: /	19						4	ANA	ALYSIS	7.0	AL THE LITT
PHONE:	DATA TURNAR	FAX: OUND INFORMATI	ON	PHONE	-			RABLE IN				lite.				ļ.				التراطية
SAMDLE PROJECT				Leve	l 2 (Re l 3 (Re aw Dat	sults - sults - ta)	+ QC) 🗆 + QC 📮	Level 4 (QC NJ Reduced NYS ASP A Other	d 🗆 US) -P -+ or	JAL N	PRES	SERVA	GIAO GIAO TIVES	010 7	olids	/9		MMENTS
СНЕМТЕСН		PROJECT		SAMPLE	SAN	IPLE PE		APLE ECTION	BOTTLES				1111	JEIT VA	ITVES			1000	← Speci	y Preservatives
SAMPLE ID	SA	MPLE IDENTIFICA	TION	MATRIX	COMP	GRAB	DATE	TIME	# OF BO	1	2	3	4	5	6	7	8	9	A-HCI B-HN03 C-H2SO4	D-NaOH E-ICE F-OTHER
1.	SB-04-	2.0-2.5	5	50		X	10/4	1432	3	Х	X	X	X	X	X					
2.	SB-04-	4.5 - 5.0)	50		X	10/4	1495	3	X	X	X	X	X	X					
3.	SB-05-	0.167-0.6	667	50		X	10/7	0904	1		Χ		X							
4.	58-06-	0.167-0.6	67	50		X	10/7	1210	1		X		X							
5.	58-07-	0,167-0,60	57	50		Х	10/7	1419	1		X		χ							
6.	SB-08-	0.167-0.6	67	50		X	19/7	1446	1		X		X							
7.																				
8.																				
9.																				
10.																				
		SAMPLE CUSTOD		JMENTE	BEL	.OW	EACH TI	ME SAMP	LES C	HANGE	POSS	ESSIO	N INCL	UDING	COUR	IER DE	LIVER			
RELINQUISHED BY AND CI 1.	NOCE	198/24 1845	RECEIVED BY:				Conditi	ons of bottles						N COMPLIA	ANT 🗆 (COOLERT	EMP	37	1.6	°C
RELINQUISHED BY		DATE/TIME: 1000	RECEIVED BY	Ax	/	/	1	5-	Day	TA	T	Requ	sted							
2. FEDE	Х	10-9-24	2.	76	/															
RELINQUISHED BY 3.	Y SAMPLER:	DATE/TIME:	RECEIVED BY:				Page	Z_ of_	/	CLIENT		Hand D		□ O	ther	ling		-		t Complete

CHEMITECH

CHAIN OF CUSTODY RECORD



410-192637 Chain of Custody

;, Mountainside, NJ 07092) Fax (908) 789-8922 HEMTECH.NET

24	10	Q	70

Sub Lab INFORMATION	CLIENT PROJEC	T INFORMATION	CLIENT BILLING INFORMATION		
COMPANY: Summit Environmental Technologies I	ORDER ID: P4367		BILL TO: CHEMTECH PO#: p4367		
ADDRESS: 3310 Win St	PROJECT ID:PGW Richmond		ADDRESS: 284, Sheffield Street		
CITY:Cuyahoga State :Ohio ZIP :44223	PROJECT MANAGER Yazme	en	CITY: Mountainside State : NJ ZIP : 07092		
E-mail :	E-mail: YAZMEEN	@CHEMTECH.NET	ATTENTION :Yazmeen		
PHONE :330-253-8211	PHONE: (908) 789 8900	FAX: (908) 789 8922	PHONE: (908) 789 8900 FAX: (908) 789 8922		

EDD: Excel PA Report: Level 2 Comment: STATE - PA

ID	CLIENT	SAMPLE	ANALYSIS	Preservative	Method	SAMPLE	COLLECTION	# OF	TAT
	SAMPLE IDENTIFICATION	MATRIX				DATE	TIME	BOTTLES	DAYS
01	SB-01-2.5-3.0	Solid	ethylene glycol & methanol	Cool 4 deg C	8015	10/04/2024	10:00:00	1	5
02	SB-01-4.25-4.83	Solid	ethylene glycol & methanol	Cool 4 deg C	8015	10/04/2024	10:30:00	1	5
03	SB-02-2.0-2.5	Solid	ethylene glycol & methanol	Cool 4 deg C	8015	10/04/2024	11:05:00	1	5
04	SB-02-4.5-5.0	Solid	ethylene glycol & methanol	Cool 4 deg C	8015	10/04/2024	11:39:00	1	5
05	SB-03-2.0-2.5	Solid	ethylene glycol & methanol	Cool 4 deg C	8015	10/04/2024	13:03:00	1	5
06	SB-03-4.167-4.667	Solid	ethylene glycol & methanol	Cool 4 deg C	8015	10/04/2024	13:44:00	1	5
07	SB-04-2.0-2.5	Solid	ethylene glycol & methanol	Cool 4 deg C	8015	10/04/2024	14:32:00	1	5
08	SB-04-4.5-5.0	Solid	ethylene glycol & methanol	Cool 4 deg C	8015	10/04/2024	14:45:00	1	5

Feorex Trk # 7791 3017 1449

SAME	LE CUSTODY MUS	T BE DOCUMENTED BELOV	V EACH TIME SAMPLES CHANGES POSSESSION INCLUDING COUR	IER DELIVERY	/ 4
RELINQUIESHED BY SAMPLER:	DATETIME: 1700	RECEIVED BY: 1 MPENEUM. Dec	Conditions of bottles or Coolers at receipt:	ha	Cooler Temp Ice or Cooler?
RELINQUIESHED BY:	DATETIME: 1340	RECEIVED BY: 2. 010/24	Fedex 5.6-0.1=55	C: 2.0	
RELINQUIESHED BY:	DATETIME: Y	RECEIVED BY:	Page 1 of 1	OVERNIGHT OVERNIGHT	Shipment Complete:

Client: Chemtech Consulting Group Inc. Job Number: 410-192637-1

Login Number: 192637

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1 Creator: Arroyo, Haley

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(=6C, not frozen).</td <td>True</td> <td></td>	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable, where thermal pres is required (=6C, not frozen).</td <td>N/A</td> <td></td>	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	N/A	

WV)?