

DATA PACKAGE GENERAL CHEMISTRY

PROJECT NAME : NWIRP CALVERTON SITE 16 PHASE 3 RI

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : P4894

ATTENTION : Corey Rich



Laboratory Certification ID # 20012



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Cover Page

Order ID : P4894

Project ID : NWIRP Calverton Site 16 Phase 3 RI

Client : Tetra Tech NUS, Inc.

Lab Sample Number

P4894-01
P4894-02
P4894-03

Client Sample Number

FES-SB401-1921
FES-SB401-6062
FES-DUP02-20241114

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 :

N. N. Pandya

APPROVED

Date: 11/26/2024
By Nimisha Pandya, QA/QC Supervisor at 11:50 am, Nov 27, 2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: NWIRP Calverton Site 16 Phase 3 RI

Project # N/A

Chemtech Project # P4894

Test Name: TOC

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 11/16/2024.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: TOC. This data package contains results for TOC.

C. Analytical Techniques:

The analysis of TOC was based on method 9060A.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

E. Additional Comments:

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:50 am, Nov 27, 2024

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

GENERAL CHEMISTRY CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P4894

MATRIX: Solid

METHOD: 9060A

	NA	NO	YES
1. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
2. Matrix Spike Duplicate Recoveries Met Criteria			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The Blank Spike met requirements for all samples.			
3. Sample Duplicate Analysis Met QC Criteria			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
4. Digestion Holding Time Met			✓
If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

S. M. Jodhani
QA REVIEW

REVIEWED

By Sohil Jodhani, QA/QC Director at 9:37 am, Nov 27, 2024

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4894

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 11/26/2024

LAB CHRONICLE

OrderID:	P4894	OrderDate:	11/18/2024 10:06:44 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Calverton Site 16 Phase 3 RI
Contact:	Corey Rich	Location:	L51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4894-01	FES-SB401-1921	SOIL	TOC	9060A	11/14/24 12:20		11/26/24 11:27	11/16/24
P4894-02	FES-SB401-6062	SOIL	TOC	9060A	11/15/24 09:30		11/26/24 12:07	11/16/24
P4894-03	FES-DUP02-20241114	SOIL	TOC	9060A	11/14/24 00:00		11/26/24 13:50	11/16/24



SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/14/24 12:20
Project:	NWIRP Calverton Site 16 Phase 3 RI	Date Received:	11/16/24
Client Sample ID:	FES-SB401-1921	SDG No.:	P4894
Lab Sample ID:	P4894-01	Matrix:	SOIL
		% Solid:	90.4

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	225	J	1	19.8	50.0	250	mg/Kg		11/26/24 11:27	9060A

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/15/24 09:30
Project:	NWIRP Calverton Site 16 Phase 3 RI	Date Received:	11/16/24
Client Sample ID:	FES-SB401-6062	SDG No.:	P4894
Lab Sample ID:	P4894-02	Matrix:	SOIL
		% Solid:	75.1

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	3930		1	19.8	50.0	250	mg/Kg		11/26/24 12:07	9060A

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/14/24 00:00
Project:	NWIRP Calverton Site 16 Phase 3 RI	Date Received:	11/16/24
Client Sample ID:	FES-DUP02-20241114	SDG No.:	P4894
Lab Sample ID:	P4894-03	Matrix:	SOIL
		% Solid:	92.6

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	182	J	1	19.8	50.0	250	mg/Kg		11/26/24 13:50	9060A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client: Tetra Tech NUS, Inc.

SDG No.: P4894

Project: NWIRP Calverton Site 16 Phase 3 RI

RunNo.: LB133629

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 TOC	mg/L	934	1000	93	90-110	11/12/2024
Sample ID: CCV1 TOC	mg/L	944	1000	94	90-110	11/26/2024
Sample ID: CCV2 TOC	mg/L	982	1000	98	90-110	11/26/2024

Initial and Continuing Calibration Blank Summary

Client: Tetra Tech NUS, Inc.

SDG No.: P4894

Project: NWIRP Calverton Site 16 Phase 3 RI

RunNo.: LB133629

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 TOC	mg/L	< 125.0000	125.0000	U	22.3	250	11/12/2024
Sample ID: CCB1 TOC	mg/L	< 125.0000	125.0000	U	22.3	250	11/26/2024
Sample ID: CCB2 TOC	mg/L	< 125.0000	125.0000	U	22.3	250	11/26/2024

Preparation Blank Summary

Client: Tetra Tech NUS, Inc.

SDG No.: P4894

Project: NWIRP Calverton Site 16 Phase 3 RI

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	LB133629BLS						
TOC	mg/Kg	< 125.0000	125.0000	U	19.8	250	11/26/2024

Matrix Spike Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	P4894
Project:	NWIRP Calverton Site 16 Phase 3 RI	Sample ID:	P4894-02
Client ID:	FES-SB401-6062MS	Percent Solids for Spike Sample:	75.1

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	4830		3930		1000	1	90		11/26/2024

Matrix Spike Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	P4894
Project:	NWIRP Calverton Site 16 Phase 3 RI	Sample ID:	P4894-02
Client ID:	FES-SB401-6062MSD	Percent Solids for Spike Sample:	75.1

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	4950		3930		1000	1	102		11/26/2024

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	P4894
Project:	NWIRP Calverton Site 16 Phase 3 RI	Sample ID:	P4894-02
Client ID:	FES-SB401-6062MSD	Percent Solids for Spike Sample:	75.1

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
TOC	mg/Kg	+/-20	4830		4950		1	2		11/26/2024

Laboratory Control Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	P4894
Project:	NWIRP Calverton Site 16 Phase 3 RI	Run No.:	LB133629

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133629BSS							
TOC	mg/Kg	1000	952		95	1	90-110	11/26/2024



RAW DATA

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Sample ID	Result	Std. Dev.	RSD	Mode	ALT
CCV1	929.1347			TOC	
CCV1	945.6541			TOC	
CCV1	945.1391			TOC	
CCV1.....	956.6167...	..	...	TOC	..
CCB1	0.9819			TOC	
CCB1	6.0313			TOC	
CCB1.....	5.6781...	..	...	TOC	..
CCB1	6.3473			TOC	
LB133629BLS	12.9822			TOC	
LB133629BLS.....	1.3880...	..	...	TOC	..
LB133629BLS	0.7994			TOC	
LB133629BLS	0.3721			TOC	
LB133629BSS.....	921.1989...	..	...	TOC	..
LB133629BSS	957.0540			TOC	
LB133629BSS	958.4287			TOC	
LB133629BSS.....	973.1016...	..	...	TOC	..
P4894-01	187.3332			TOC	
P4894-01	230.5980			TOC	
P4894-01.....	198.2315...	..	...	TOC	..
P4894-01	282.3604			TOC	
P4894-02	3637.4790			TOC	
P4894-02.....	3578.6956...	..	...	TOC	..
P4894-02	4452.2373			TOC	
P4894-02	4052.7830			TOC	
P4894-02MS.....	5548.3438...	..	...	TOC	..
P4894-02MS	4090.6279			TOC	
P4894-02MS	5098.8037			TOC	
P4894-02MS.....	4572.1245...	..	...	TOC	..
P4894-02MSD	5197.1982			TOC	
P4894-02MSD	4185.5811			TOC	
P4894-02MSD.....	5092.1353...	..	...	TOC	..
P4894-02MSD	5329.3872			TOC	
P4894-03	189.0514			TOC	
P4894-03.....	182.9550...	..	...	TOC	..
P4894-03	164.3194			TOC	
P4894-03	192.4332			TOC	
P4986-01.....	1077.9619...	..	...	TOC	..
P4986-01	907.7037			TOC	
P4986-01	839.5995			TOC	
P4986-01.....	1021.4278...	..	...	TOC	..
P4986-02	972.0780			TOC	
P4986-02	1348.1398			TOC	
P4986-02.....	1392.4557...	..	...	TOC	..
P4986-02	1135.4882			TOC	
CCV2	994.9572			TOC	
CCV2.....	1007.1017...	..	...	TOC	..
CCV2	963.0897			TOC	
CCV2	962.8291			TOC	
CCB2.....	1.3858...	..	...	TOC	..
CCB2	4.8917			TOC	
CCB2	11.1355			TOC	
CCB2.....	8.2497...	..	...	TOC	..

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Method ID		Sample Type	Vial Timestamp		Message		
Boat Sampler		Sample	2024/11/26	10:01			
Boat Sampler		Sample	2024/11/26	10:03			
Boat Sampler		Sample	2024/11/26	10:06			
Boat Sampler	...	Sample	..	..2024/11/26	10:08	..	1
Boat Sampler		Sample	2024/11/26	10:12	Low Sample Detected		2
Boat Sampler		Sample	2024/11/26	10:17	Low Sample Detected		
Boat Sampler	...	Sample	..	..2024/11/26	10:21	..Low Sample Detected	3
Boat Sampler		Sample	2024/11/26	10:24	Low Sample Detected		
Boat Sampler		Sample	2024/11/26	10:30	Low Sample Detected		4
Boat Sampler	...	Sample	..	..2024/11/26	10:34	..Low Sample Detected	
Boat Sampler		Sample	2024/11/26	10:37	Low Sample Detected		5
Boat Sampler		Sample	2024/11/26	10:40	Low Sample Detected		
Boat Sampler	...	Sample	..	..2024/11/26	10:47	..	6
Boat Sampler		Sample	2024/11/26	10:49			
Boat Sampler		Sample	2024/11/26	10:51			7
Boat Sampler	...	Sample	..	..2024/11/26	10:54	..	
Boat Sampler		Sample	2024/11/26	11:11			8
Boat Sampler		Sample	2024/11/26	11:20			
Boat Sampler	...	Sample	..	..2024/11/26	11:23	..	9
Boat Sampler		Sample	2024/11/26	11:27			
Boat Sampler		Sample	2024/11/26	11:36			10
Boat Sampler	...	Sample	..	..2024/11/26	11:44	..	
Boat Sampler		Sample	2024/11/26	12:00			11
Boat Sampler		Sample	2024/11/26	12:07			
Boat Sampler	...	Sample	..	..2024/11/26	12:18	..	12
Boat Sampler		Sample	2024/11/26	12:24			
Boat Sampler		Sample	2024/11/26	12:43			13
Boat Sampler	...	Sample	..	..2024/11/26	12:49	..	
Boat Sampler		Sample	2024/11/26	12:55			14
Boat Sampler		Sample	2024/11/26	13:03			
Boat Sampler	...	Sample	..	..2024/11/26	13:09	..	
Boat Sampler		Sample	2024/11/26	13:16			
Boat Sampler		Sample	2024/11/26	13:23			
Boat Sampler	...	Sample	..	..2024/11/26	13:30	..	
Boat Sampler		Sample	2024/11/26	13:40			
Boat Sampler		Sample	2024/11/26	13:50			
Boat Sampler	...	Sample	..	..2024/11/26	14:02	..	
Boat Sampler		Sample	2024/11/26	14:05			
Boat Sampler		Sample	2024/11/26	14:09			
Boat Sampler	...	Sample	..	..2024/11/26	14:11	..	
Boat Sampler		Sample	2024/11/26	14:15			
Boat Sampler		Sample	2024/11/26	14:22			
Boat Sampler	...	Sample	..	..2024/11/26	14:26	..	
Boat Sampler		Sample	2024/11/26	14:29			
Boat Sampler		Sample	2024/11/26	14:34			
Boat Sampler	...	Sample	..	..2024/11/26	14:37	..	
Boat Sampler		Sample	2024/11/26	14:39			
Boat Sampler		Sample	2024/11/26	14:41			
Boat Sampler	...	Sample	..	..2024/11/26	14:45	..Low Sample Detected	
Boat Sampler		Sample	2024/11/26	14:49	Low Sample Detected		
Boat Sampler		Sample	2024/11/26	14:50			
Boat Sampler	...	Sample	..	..2024/11/26	14:54	..Low Sample Detected	

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Last Message: Low Sample Detected
=====

Sample ID: CCB1 Mode: TOC
Method: Boat Sampler Filename: 11261018
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 10:21
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	5.6781	0.2271	16083	-1.313	-1.398	120

Last Message: Low Sample Detected
=====

Sample ID: CCB1 Mode: TOC
Method: Boat Sampler Filename: 11261022
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 10:24
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	6.3473	0.2539	17979	-1.267	-1.409	120

Last Message: Low Sample Detected
=====

Sample ID: LB133629BLS Mode: TOC
Method: Boat Sampler Filename: 11261027
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 10:30
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	12.9822	0.5193	36771	-1.478	-1.524	120

Last Message: Low Sample Detected
=====

Sample ID: LB133629BLS Mode: TOC
Method: Boat Sampler Filename: 11261031
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 10:34
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1.3880	0.0555	3931	-1.537	-1.638	120

Last Message: Low Sample Detected
=====

Sample ID: LB133629BLS Mode: TOC
Method: Boat Sampler Filename: 11261034
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 10:37
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.7994	0.0320	2264	-1.629	-1.693	120

Last Message: Low Sample Detected
=====

Sample ID: LB133629BLS Mode: TOC
Method: Boat Sampler Filename: 11261037
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 10:40
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.3721	0.0149	1054	-1.712	-1.791	120

Last Message: Low Sample Detected
=====

Sample ID: LB133629BSS Mode: TOC
Method: Boat Sampler Filename: 11261045
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 10:47
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	921.1989	36.8480	2609255	-1.888	-0.893	69

Sample ID: LB133629BSS Mode: TOC
Method: Boat Sampler Filename: 11261048
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 10:49
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	957.0540	38.2822	2710813	-1.730	-0.730	68

Sample ID: LB133629BSS Mode: TOC
Method: Boat Sampler Filename: 11261050
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 10:51
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	958.4287	38.3371	2714707	-1.652	-0.652	63

Sample ID: LB133629BS Mode: TOC
S
Method: Boat Sampler Filename: 11261052
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 10:54
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	973.1016	38.9241	2756267	-1.721	-0.723	66

Sample ID: P4894-01 Mode: TOC
Method: Boat Sampler Filename: 11261109
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 11:11
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	187.3332	1.2177	86225	-2.149	-1.150	34

Sample ID: P4894-01 Mode: TOC
Method: Boat Sampler Filename: 11261119
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 11:20
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	230.5980	1.4066	99607	-2.193	-1.197	32

Sample ID: P4894-01 Mode: TOC
Method: Boat Sampler Filename: 11261122
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 11:23
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	198.2315	1.0705	75800	-2.195	-1.199	30

Sample ID: P4894-01 Mode: TOC
Method: Boat Sampler Filename: 11261126
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 11:27
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	282.3604	1.6659	117967	-2.309	-1.317	40

Sample ID: P4894-02 Mode: TOC
Method: Boat Sampler Filename: 11261132
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 11:36
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	3637.4790	20.7336	1468177	-2.388	-1.388	192

Sample ID: P4894-02 Mode: TOC
Method: Boat Sampler Filename: 11261140
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 11:44
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	3578.6956	19.3250	1368427	-2.350	-1.351	194

Sample ID: P4894-02 Mode: TOC
Method: Boat Sampler Filename: 11261156
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 12:00
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4452.2373	24.0421	1702453	-2.214	-1.205	240

Sample ID: P4894-02 Mode: TOC
Method: Boat Sampler Filename: 11261203
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 12:07
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4052.7830	21.8850	1549709	-2.134	-1.137	220

Sample ID: P4894-02MS Mode: TOC
Method: Boat Sampler Filename: 11261214
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 12:18
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	5548.3438	29.9611	2121584	-2.056	-1.057	220

Sample ID: P4894-02MS Mode: TOC
Method: Boat Sampler Filename: 11261220
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 12:24
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4090.6279	21.6803	1535214	-2.048	-1.050	204

Sample ID: P4894-02MS Mode: TOC
Method: Boat Sampler Filename: 11261239
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 12:43
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	5098.8037	28.0434	1985794	-1.902	-0.903	191

Sample ID: P4894-02MS Mode: TOC
Method: Boat Sampler Filename: 11261245
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 12:49
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4572.1245	26.5183	1877799	-2.004	-1.006	204

Sample ID: P4894-02MSD Mode: TOC
Method: Boat Sampler Filename: 11261251
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 12:55
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	5197.1982	30.1438	2134521	-2.005	-1.008	224

Sample ID: P4894-02MSD
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ

Mode: TOC
Filename: 11261258
Timestamp: 2024/11/26 13:03
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4185.5811	22.6021	1600489	-1.997	-0.941	240

Sample ID: P4894-02MSD
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ

Mode: TOC
Filename: 11261304
Timestamp: 2024/11/26 13:09
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	5092.1353	28.0067	1983197	-2.024	-1.025	238

Sample ID: P4894-02MSD
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ
Sample

Mode: TOC
Filename: 11261311
Timestamp: 2024/11/26 13:16
Sample Type:

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	5329.3872	29.3116	2075597	-1.895	-0.896	227

Sample ID: P4894-03
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ

Mode: TOC
Filename: 11261322
Timestamp: 2024/11/26 13:23
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	189.0514	1.2288	87015	-1.944	-0.956	35

Sample ID: P4894-03
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ

Mode: TOC
Filename: 11261329
Timestamp: 2024/11/26 13:30
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	182.9550	1.0245	72550	-1.988	-0.993	34

Sample ID: P4894-03
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ

Mode: TOC
Filename: 11261339
Timestamp: 2024/11/26 13:40
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	164.3194	1.1338	80286	-1.960	-0.970	35

Sample ID: P4894-03 Mode: TOC
Method: Boat Sampler Filename: 11261349
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 13:50
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	192.4332	1.1931	84484	-1.900	-0.902	33

Sample ID: P4986-01 Mode: TOC
Method: Boat Sampler Filename: 11261401
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 14:02
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1077.9619	6.5756	465625	-1.964	-0.975	44

Sample ID: P4986-01 Mode: TOC
Method: Boat Sampler Filename: 11261404
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 14:05
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	907.7037	5.7185	404937	-1.900	-0.908	44

Sample ID: P4986-01 Mode: TOC
Method: Boat Sampler Filename: 11261407
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 14:09
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	839.5995	4.6178	326993	-1.888	-0.895	43

Sample ID: P4986-01 Mode: TOC
Method: Boat Sampler Filename: 11261410
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 14:11
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1021.4278	6.0264	426740	-1.877	-0.877	45

Sample ID: P4986-02 Mode: TOC
Method: Boat Sampler Filename: 11261414
Cal. Curve: TOC SOIL Timestamp: 2024/11/26 14:15
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	972.0780	5.4436	385472	-1.900	-0.905	44

Sample ID: P4986-02
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ

Mode: TOC
Filename: 11261421
Timestamp: 2024/11/26 14:22
Sample Type: Sample

Reviewed By:Iwona
On:11/26/2024 4:15:58
PM
Inst Id :Appolo-9000
LB :LB133629

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1348.1398	7.4148	525050	-1.848	-0.858	45

Sample ID: P4986-02
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ

Mode: TOC
Filename: 11261424
Timestamp: 2024/11/26 14:26
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1392.4557	7.6585	542310	-1.792	-0.804	47

Sample ID: P4986-02
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ

Mode: TOC
Filename: 11261427
Timestamp: 2024/11/26 14:29
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1135.4882	6.5858	466352	-1.795	-0.801	45

Sample ID: CCV2
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ

Mode: TOC
Filename: 11261432
Timestamp: 2024/11/26 14:34
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	994.9572	39.7983	2818172	-1.808	-0.814	74

Sample ID: CCV2
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ

Mode: TOC
Filename: 11261435
Timestamp: 2024/11/26 14:37
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1007.1017	40.2841	2852571	-1.603	-0.605	71

Sample ID: CCV2
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ

Mode: TOC
Filename: 11261437
Timestamp: 2024/11/26 14:39
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	963.0897	38.5236	2727909	-1.515	-0.516	66

Sample ID: CCV2
Method: Boat Sampler

Mode: TOC
Filename: 11261440

Cal. Curve: TOC SOIL
Operator ID: NF IZ

Timestamp: 2024/11/26 14:41
Sample Type: Sample

Reviewed By:Iwona
On:11/26/2024 4:15:58
PM
Inst Id :Appolo-9000
LB :LB133629

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	962.8291	38.5132	2727171	-1.471	-0.477	65

Sample ID: CCB2
Method: Boat Sampler
Cal. Curve: TOC SOIL
Timestamp: 2024/11/26 14:45
Operator ID: NF IZ
Mode: TOC
Filename: 11261443
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1.3858	0.0554	3925	-1.615	-1.745	120

Last Message: Low Sample Detected

Sample ID: CCB2
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ
Mode: TOC
Filename: 11261446
Timestamp: 2024/11/26 14:49
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4.8917	0.1957	13856	-1.772	-1.792	120

Last Message: Low Sample Detected

Sample ID: CCB2
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ
Mode: TOC
Filename: 11261449
Timestamp: 2024/11/26 14:50
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	11.1355	0.4454	31541	-1.764	-0.776	29

Sample ID: CCB2
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ
Mode: TOC
Filename: 11261451
Timestamp: 2024/11/26 14:54
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	8.2497	0.3300	23367	-1.776	-1.781	120

Last Message: Low Sample Detected

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
BLANK	9263	5695	61.48	TOC	
250mg/l	813930	31881	3.92	TOC	
500mg/l	1580916	138813	8.78	TOC	
1000mg/l.....	2797885...	74757..	2.67...	TOC	..
2000mg/l	5752648	21216	0.37	TOC	
ICV	943.9813			TOC	
ICV.....	919.2893...	..	...	TOC	..
ICV	940.0988			TOC	
ICV	933.3373			TOC	
ICB.....	4.4514...	..	...	TOC	..
ICB	9.3085			TOC	
ICB	6.7305			TOC	
ICB.....	7.5078...	..	...	TOC	..

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Method ID	Sample Type	Vial	Timestamp	Message
Boat Sampler	TOC Standard		2024/11/12 11:01	Low Sample Detected
Boat Sampler	TOC Standard		2024/11/12 11:15	
Boat Sampler	TOC Standard		2024/11/12 11:27	
Boat Sampler	...TOC Standard	..	..2024/11/12 11:36	..
Boat Sampler	TOC Standard		2024/11/12 12:05	
Boat Sampler	Sample		2024/11/12 12:12	
Boat Sampler	...Sample	..	..2024/11/12 12:14	..
Boat Sampler	Sample		2024/11/12 12:16	
Boat Sampler	Sample		2024/11/12 12:18	
Boat Sampler	...Sample	..	..2024/11/12 12:23	..Low Sample Detected
Boat Sampler	Sample		2024/11/12 12:26	Low Sample Detected
Boat Sampler	Sample		2024/11/12 12:29	Low Sample Detected
Boat Sampler	...Sample	..	..2024/11/12 12:32	..Low Sample Detected

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Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			5772363	-2.492	-1.493	116
2			5763448	-2.138	-1.139	91
3			5723617	-0.015	0.979	57
4			5751163	-0.355	0.644	62

<<<Statistics>>> Mean: 5752648 Std Dev: 21216 RSD: 0.37

Sample ID: ICV
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ

Mode: TOC
Filename: 11121210
Timestamp: 2024/11/12 12:12
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	943.9813	37.7593	2673786	-2.569	-1.574	83

Sample ID: ICV
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ

Mode: TOC
Filename: 11121212
Timestamp: 2024/11/12 12:14
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	919.2893	36.7716	2603846	-2.379	-1.380	64

Sample ID: ICV
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ

Mode: TOC
Filename: 11121214
Timestamp: 2024/11/12 12:16
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	940.0988	37.6040	2662788	-2.346	-1.346	61

Sample ID: ICV
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ

Mode: TOC
Filename: 11121217
Timestamp: 2024/11/12 12:18
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	933.3373	37.3335	2643637	-2.443	-1.445	63

Sample ID: ICB
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ

Mode: TOC
Filename: 11121220
Timestamp: 2024/11/12 12:23
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4.4514	0.1781	12608	-2.598	-2.685	120

Last Message: Low Sample Detected
=====

Sample ID: ICB Mode: TOC
Method: Boat Sampler Filename: 11121223
Cal. Curve: TOC SOIL Timestamp: 2024/11/12 12:26
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	9.3085	0.3723	26366	-2.661	-2.693	120

Last Message: Low Sample Detected
=====

Sample ID: ICB Mode: TOC
Method: Boat Sampler Filename: 11121226
Cal. Curve: TOC SOIL Timestamp: 2024/11/12 12:29
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	6.7305	0.2692	19064	-2.649	-2.682	120

Last Message: Low Sample Detected
=====

Sample ID: ICB Mode: TOC
Method: Boat Sampler Filename: 11121230
Cal. Curve: TOC SOIL Timestamp: 2024/11/12 12:32
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	7.5078	0.3003	2			
1266	-2.657	-2.679	120			

Last Message: Low Sample Detected
=====

Calibration Report Print Date/Time: 2024/11/12 12:05:31

Cal. Curve ID: TOC SOIL
Created: 2024/11/12 12:05
Calibration Factor (m): 7.081e+04
Y Intercept (b): 66586
r-squared: 0.99875

Standard ID	Y	X Expected	Measured	Re Message	Date & Time
	Raw Data	ug C	ug C		
BLANK	9263	0.000	-0.810		2024/11/12 11:01
250mg/l	813930	10.000	10.554	5.5	2024/11/12 11:15
500mg/l	1580917	20.000	21.385	6.9	2024/11/12 11:27
1000mg/l	2797884	40.000	38.571	-3.6	2024/11/12 11:36
2000mg/l	5752648	80.000	80.299	0.4	2024/11/12 12:05

12
11/12/24

WORKLIST(Hardcopy Internal Chain)

LB133629

WorkList Name : TOC SOIL-11252024		WorkList ID : 185775		Department : Wet-Chemistry		Date : 11-25-2024 17:07:17		
Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4894-01	FES-SB401-1921	Solid	TOC	Cool 4 deg C	TETR06	L51	11/14/2024	9060A
P4894-02	FES-SB401-6062	Solid	TOC	Cool 4 deg C	TETR06	L51	11/15/2024	9060A
P4894-03	FES-DUP02-20241114	Solid	TOC	Cool 4 deg C	TETR06	L51	11/14/2024	9060A
P4986-01	TAPIAL 1-SB04D-9-112224-00-1	Solid	TOC	Cool 4 deg C	WEST04	L51	11/22/2024	9060A
P4986-02	TAPIAL 1-SB04D-4-112224-00-1	Solid	TOC	Cool 4 deg C	WEST04	L51	11/22/2024	9060A

Date/Time 11-26-2024, 08:45
Raw Sample Received by: NFw
Raw Sample Relinquished by: NFw

Date/Time 11-26-2024, 14:00
Raw Sample Received by: NFw
Raw Sample Relinquished by: NFw

Instrument ID: TOC

Daily Analysis Runlog For Sequence/QC Batch ID # LB133629

Review By	Niha	Review On	11/26/2024 4:13:47 PM
Supervise By	Iwona	Supervise On	11/26/2024 4:15:58 PM
SubDirectory	LB133629	Test	TOC
STD. NAME	STD REF.#		
ICAL Standard	WP110667,WP110662,WP110663,WP110664,WP110665		
ICV Standard	WP110666		
CCV Standard	WP110878		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP110879		
Chk Standard	WP109225		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	BLANK	BLANK	CAL1	11/12/24 11:01		NF IZ	OK
2	250mg/l	250mg/l	CAL2	11/12/24 11:15		NF IZ	OK
3	500mg/l	500mg/l	CAL3	11/12/24 11:27		NF IZ	OK
4	1000mg/l	1000mg/l	CAL4	11/12/24 11:36		NF IZ	OK
5	2000mg/l	2000mg/l	CAL5	11/12/24 12:05		NF IZ	OK
6	ICV1	ICV1	ICV	11/12/24 12:18		NF IZ	OK
7	ICB1	ICB1	ICB	11/12/24 12:32		NF IZ	OK
8	CCV1	CCV1	CCV	11/26/24 10:08		NF IZ	OK
9	CCB1	CCB1	CCB	11/26/24 10:24		NF IZ	OK
10	LB133629BLS	LB133629BLS	MB	11/26/24 10:40		NF IZ	OK
11	LB133629BSS	LB133629BSS	LCS	11/26/24 10:54		NF IZ	OK
12	P4894-01	FES-SB401-1921	SAM	11/26/24 11:27		NF IZ	OK
13	P4894-02	FES-SB401-6062	SAM	11/26/24 12:07		NF IZ	OK
14	P4894-02MS	FES-SB401-6062MS	MS	11/26/24 12:49		NF IZ	OK
15	P4894-02MSD	FES-SB401-6062MSD	MSD	11/26/24 13:16		NF IZ	OK
16	P4894-03	FES-DUP02-20241114	SAM	11/26/24 13:50		NF IZ	OK
17	P4986-01	TAPIAL1-SB04D-9-11	SAM	11/26/24 14:11		NF IZ	OK
18	P4986-02	TAPIAL1-SB04D-4-11	SAM	11/26/24 14:29		NF IZ	OK

Instrument ID: TOC

Daily Analysis Runlog For Sequence/QC Batch ID # LB133629

Review By	Niha	Review On	11/26/2024 4:13:47 PM
Supervise By	Iwona	Supervise On	11/26/2024 4:15:58 PM
SubDirectory	LB133629	Test	TOC
STD. NAME	STD REF.#		
ICAL Standard	WP110667,WP110662,WP110663,WP110664,WP110665		
ICV Standard	WP110666		
CCV Standard	WP110878		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP110879		
Chk Standard	WP109225		

19	CCV2	CCV2	CCV	11/26/24 14:41		NF IZ	OK
20	CCB2	CCB2	CCB	11/26/24 14:54		NF IZ	OK

Prep Standard - Chemical Standard Summary

Order ID : P4894

Test : Percent Solids, TOC

Prepbatch ID :

Sequence ID/Qc Batch ID: LB133629,

Standard ID :

WP109217, WP109218, WP109225, WP110662, WP110663, WP110664, WP110665, WP110666, WP110667, WP110878, WP110879,

Chemical ID :

W2784, W2860, W3111, W3112,

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14

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2050	TOC STOCK STD, 4000PPM	WP109217	08/07/2024	01/18/2025	Iwona Zarych	WETCHEM_SCALE_5 (WC)	WETCHEM_FIPETTE_3 (WC)	Mohan Bera 08/16/2024
FROM 5.00000ml of W2860 + 8.51200gram of W3111 + 990.00000ml of W3112 = Final Quantity: 1000.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2051	TOC STOCK STD-SS, 4000PPM	WP109218	08/07/2024	02/07/2025	Iwona Zarych	WETCHEM_SCALE_5 (WC)	WETCHEM_FIPETTE_3 (WC)	Mohan Bera 08/16/2024
FROM 5.00000ml of W2860 + 8.51200gram of W2784 + 990.00000ml of W3112 = Final Quantity: 1000.000 ml								

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2435	1:1 PHOSPHORIC ACID FOR TOC SOILS	WP109225	08/07/2024	02/07/2025	Iwona Zarych	None	WETCHEM_FIPETTE_3 (WC)	Mohan Bera 08/16/2024
FROM 50.00000ml of W2860 + 50.00000ml of W3112 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
712	TOC SOIL cal 250ppm	WP110662	11/12/2024	11/19/2024	Niha Farheen Shaik	None	None	Iwona Zarych 11/14/2024
FROM 15.00000ml of W3112 + 1.00000ml of WP109217 = Final Quantity: 16.000 ml								

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
710	TOC SOIL cal 500ppm	WP110663	11/12/2024	11/19/2024	Niha Farheen Shaik	None	None	Iwona Zarych
								11/14/2024

FROM 14.00000ml of W3112 + 2.00000ml of WP109217 = Final Quantity: 16.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3544	TOC SOIL Cal- CCV 1000PPM	WP110664	11/12/2024	11/19/2024	Niha Farheen Shaik	None	None	Iwona Zarych
								11/14/2024

FROM 15.00000ml of W3112 + 5.00000ml of WP109217 = Final Quantity: 20.000 ml

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
713	TOC SOIL cal 2000ppm	WP110665	11/12/2024	11/19/2024	Niha Farheen Shaik	None	None	Iwona Zarych 11/14/2024

FROM 5.00000ml of W3112 + 5.00000ml of WP109217 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2819	TOC ICV-LCSS, 1000PPM	WP110666	11/12/2024	11/19/2024	Niha Farheen Shaik	None	None	Iwona Zarych 11/14/2024

FROM 15.00000ml of W3112 + 5.00000ml of WP109218 = Final Quantity: 20.000 ml

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
304	TOC CAL 0.00ppm	WP110667	11/12/2024	11/19/2024	Niha Farheen Shaik	None	None	Iwona Zarych 11/14/2024

FROM 100.00000ml of W3112 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3544	TOC SOIL Cal- CCV 1000PPM	WP110878	11/26/2024	12/03/2024	Niha Farheen Shaik	None	None	Mohan Bera 11/26/2024

FROM 15.00000ml of W3112 + 5.00000ml of WP109217 = Final Quantity: 20.000 ml

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2819	TOC ICV-LCSS, 1000PPM	WP110879	11/26/2024	12/03/2024	Niha Farheen Shaik	None	None	Mohan Bera
FROM 15.00000ml of W3112 + 5.00000ml of WP109218 = Final Quantity: 20.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P243-500 / Potassium Hydrogen Phthalate, 500 gms	201089	06/30/2025	12/23/2020 / apatel	12/16/2020 / apatel	W2784

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J0260-3 / Phosphoric Acid, 2.5 L	0000278313	01/31/2026	07/12/2021 / apatel	07/12/2021 / apatel	W2860

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P243-500 / Potassium Hydrogen Phthalate, 500 gms	24A1956910	01/18/2025	06/26/2024 / lwona	06/26/2024 / lwona	W3111

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

Phosphoric Acid
BAKER ANALYZED® A.C.S. Reagent

(orthophosphoric acid)



Material No.: 0260-03
Batch No.: 0000278313
Manufactured Date: 2021/02/01
Retest Date: 2026/01/31
Revision No: 2

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay (H ₃ PO ₄) (by acidimetry)	85.0 – 87.0 %	85.8
Calcium (Ca)	<= 0.002 %	< 0.001
Color (APHA)	<= 10	5
Insoluble Matter	<= 0.001 %	< 0.001
ACS – Magnesium (Mg)	<= 0.002 %	<0.002
Sulfate (SO ₄)	<= 12 ppm	< 4
Volatile Acids (as CH ₃ COOH)	<= 0.001 %	0.001
Reducing Substances	Passes Test	PT
Chloride (Cl)	<= 3 ppm	< 1
Nitrate (NO ₃)	<= 5 ppm	< 2
Trace Impurities – Antimony (Sb)	<= 20.000 ppm	0.007
Trace Impurities – Arsenic (As)	<= 0.500 ppm	< 0.001
Trace Impurities – Iron (Fe)	<= 10.000 ppm	< 1.000
Heavy Metals (as Pb)	<= 8 ppm	< 3
Trace Impurities – Manganese (Mn)	<= 0.500 ppm	0.005
Trace Impurities – Potassium (K)	<= 40.000 ppm	< 0.001
Trace Impurities – Sodium (Na)	<= 200.000 ppm	0.082

For Laboratory, Research or Manufacturing Use
Exceeds A.C.S. Specifications
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Certificate of Analysis

ThermoFisher
SCIENTIFIC

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 faxThermo Fisher Scientific's Quality System has been found to conform to Quality Management System
Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120632

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	P243	Quality Test / Release Date	06/19/2020
Lot Number	201089		
Description	POTASSIUM HYDROGEN PHTHALATE, ACIDIMETRIC STANDARD, A.C.S.		
Country of Origin	Spain	Suggested Retest Date	Jun/2025
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	WHITE CRYSTALS
ASSAY POTASSIUM HYDROGEN PHTHALATE	%	Inclusive Between 99.95 - 100.05	100.03
CHLORINE COMPOUNDS	%	<= 0.003	<0.003
HEAVY METALS (as Pb)	ppm	<= 5	<5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
INSOLUBLE MATTER	%	<= 0.005	<0.005
IRON (Fe)	ppm	<= 5	<5
PH OF 0.05M SOLUTION		Inclusive Between 4.00 - 4.02	4.00
SODIUM (Na)	%	<= 0.005	<0.005
SULFUR COMPOUNDS	%	<= 0.002	<0.002%
TRACEABLE TO NIST	SOD CARBONATE	= LOT 351a	351a
TRACEABLE TO NIST KHP STD	POT. ACID PHTHALATE	= LOT 84L	84L



Julian Burton - Quality Control Manager – Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.



POTASSIUM HYDROGEN PHTHALATE

Material: N983
Grade: ACS GRADE
Batch Number: 24A1956910

Chemical Formula: HOCC6H4COOK
Molecular Weight: 204.22
CAS #: 877-24-7
Appearance:

Manufacture Date: 01/19/2022
Reassay Date: 01/18/2025
Storage: Room Temperature

White crystals.

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Assay (dried basis)	99.95 - 100.05 %	99.97 %	PASS
Chlorine Compounds	<= 0.003 %	<0.003 %	PASS
Heavy Metals (as Pb)	<= 5 ppm	<5 ppm	PASS
Insoluble Matter	<= 0.005 %	0.003 %	PASS
Iron	<= 5 ppm	<5 ppm	PASS
pH (0.05M, Water) @25C	4.00 - 4.02	4.00	PASS
Sodium	<= 0.005 %	<0.005 %	PASS
Sulfur Compounds	<= 0.002 %	<0.002 %	PASS

Spec Set: N983ACS

Internal ID #: 710

Signature	Additional Information
We certify that this batch conforms to the specifications listed. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits. Product meets analytical specifications of the grades listed.

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/19/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 11/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 11/19/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133489

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
P4817-01	BHK70	1	1.15	8.80	9.95	9.07	90.0	
P4817-02	BHK71	2	1.14	8.42	9.56	8.62	88.8	
P4817-03	BHK71MS	3	1.14	8.42	9.56	8.62	88.8	
P4817-04	BHK71MSD	4	1.14	8.42	9.56	8.62	88.8	
P4888-01	01A-01B-01C	5	1.00	1.00	2.00	2.00	100.0	caluk
P4888-02	02A-02B-02C	6	1.00	1.00	2.00	2.00	100.0	caluk
P4890-06	D3721	7	1.00	1.00	2.00	2.00	100.0	debris
P4892-01	WB-310-TOP	8	1.16	8.74	9.9	6.39	59.8	
P4892-02	WB-310-BOT	9	1.15	8.70	9.85	8.64	86.1	
P4893-01	MH-763	10	1.18	8.44	9.62	8.52	87.0	
P4893-02	MH-763-EPH	11	1.14	8.78	9.92	8.81	87.4	
P4893-03	MH-763-VOC	12	1.14	8.83	9.97	8.92	88.1	
P4893-05	MH-762	13	1.16	8.47	9.63	8.68	88.8	
P4893-06	MH-762-EPH	14	1.19	8.65	9.84	8.72	87.1	
P4893-07	MH-762-VOC	15	1.13	8.50	9.63	8.39	85.4	
P4894-01	FES-SB401-1921	16	1.16	8.58	9.74	8.92	90.4	
P4894-02	FES-SB401-6062	17	1.18	8.77	9.95	7.77	75.1	
P4894-03	FES-DUP02-20241114	18	1.15	8.66	9.81	9.17	92.6	
P4908-01	SP-1	19	1.16	8.50	9.66	8.9	91.1	
P4908-02	SP-1-E2	20	1.17	8.54	9.71	8.9	90.5	
P4908-03	SP-2	21	1.16	8.76	9.92	9.22	92.0	
P4908-04	SP-2-E2	22	1.16	8.45	9.61	8.9	91.6	
P4909-01	BU-02-111824	23	1.15	8.74	9.89	9.43	94.7	
P4909-02	BU-02-111824	24	1.16	8.72	9.88	9.09	90.9	
P4910-01	MH-COTTAGE	25	1.15	8.79	9.94	8.87	87.8	
P4910-02	MH-COTTAGE-EPH	26	1.19	8.41	9.6	8.44	86.2	
P4910-03	MH-COTTAGE-VOC	27	1.19	8.67	9.86	8.81	87.9	
P4910-05	MH-759	28	1.11	8.80	9.91	8.85	88.0	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/19/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 11/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 11/19/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133489

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
P4910-06	MH-759-EPH	29	1.15	8.82	9.97	9.09	90.0	
P4910-07	MH-759-VOC	30	1.15	8.40	9.55	8.57	88.3	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

123489

WorkList Name : %1-111824

WorkList ID : 185509

Department : Wet-Chemistry

Date : 11-18-2024 08:23:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4817-01	BHK70	Solid	Percent Solids	Cool 4 deg C	USEP04	Q11	11/11/2024	Chemtech -SO
P4817-02	BHK71	Solid	Percent Solids	Cool 4 deg C	USEP04	Q11	11/11/2024	Chemtech -SO
P4817-03	BHK71MS	Solid	Percent Solids	Cool 4 deg C	USEP04	Q11	11/11/2024	Chemtech -SO
P4817-04	BHK71MSD	Solid	Percent Solids	Cool 4 deg C	USEP04	Q11	11/11/2024	Chemtech -SO
P4888-01	01A-01B-01C	Solid	Percent Solids	Cool 4 deg C	BSIG01	M11	11/11/2024	Chemtech -SO
P4888-02	02A-02B-02C	Solid	Percent Solids	Cool 4 deg C	BSIG01	M11	11/14/2024	Chemtech -SO
P4890-06	D3721	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/14/2024	Chemtech -SO
P4892-01	WB-310-TOP	Solid	Percent Solids	Cool 4 deg C	PORT06	M11	11/15/2024	Chemtech -SO
P4892-02	WB-310-BOT	Solid	Percent Solids	Cool 4 deg C	PORT06	M11	11/15/2024	Chemtech -SO
P4893-01	MH-763	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/16/2024	Chemtech -SO
P4893-02	MH-763-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/16/2024	Chemtech -SO
P4893-03	MH-763-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/16/2024	Chemtech -SO
P4893-05	MH-762	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/16/2024	Chemtech -SO
P4893-06	MH-762-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/16/2024	Chemtech -SO
P4893-07	MH-762-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/16/2024	Chemtech -SO
P4894-01	FES-SB401-1921	Solid	Percent Solids	Cool 4 deg C	TETRO6	L51	11/14/2024	Chemtech -SO
P4894-02	FES-SB401-6062	Solid	Percent Solids	Cool 4 deg C	TETRO6	L51	11/14/2024	Chemtech -SO
P4894-03	FES-DUP02-20241114	Solid	Percent Solids	Cool 4 deg C	TETRO6	L51	11/14/2024	Chemtech -SO
P4908-01	SP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/18/2024	Chemtech -SO
P4908-02	SP-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/18/2024	Chemtech -SO
P4908-03	SP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/18/2024	Chemtech -SO

Date/Time 11-18-24 15:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 11-18-24

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

8133489

WorkList Name : %1-111824

WorkList ID : 185509

Department : Wet-Chemistry

Date : 11-18-2024 08:23:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4908-04	SP-2-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/18/2024	Chemtech -SO
P4909-01	BU-02-111824	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	11/18/2024	Chemtech -SO
P4909-02	BU-02-111824	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	11/18/2024	Chemtech -SO
P4910-01	MH-COTTAGE	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/18/2024	Chemtech -SO
P4910-02	MH-COTTAGE-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/18/2024	Chemtech -SO
P4910-03	MH-COTTAGE-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/18/2024	Chemtech -SO
P4910-05	MH-759	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/18/2024	Chemtech -SO
P4910-06	MH-759-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/18/2024	Chemtech -SO
P4910-07	MH-759-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/18/2024	Chemtech -SO

Date/Time 11-18-24 15:30

Raw Sample Received by: 88 CEECJ

Raw Sample Relinquished by: 88 CEECJ

Date/Time 11-18-24

Raw Sample Received by: 88 CEECJ

Raw Sample Relinquished by: 88 CEECJ



SHIPPING DOCUMENTS

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CHEMTECH

CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number 2042295

P4894

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Tetra Tech Inc.
ADDRESS: 661 Anderson Dr. Suite 200
CITY Pittsburgh STATE: PA ZIP: 15220
ATTENTION: Corey Rich
PHONE: 412-921-8984 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Calverton Site 16
112G-08005-ML205104
PROJECT NO.: LOCATION: Calverton, NY
PROJECT MANAGER: Corey Rich
e-mail: corey.rich@tetra tech.com
PHONE: 412-921-8984 FAX:

CLIENT BILLING INFORMATION

BILL TO: Tetra Tech Inc. PO#: 1132342
ADDRESS: 661 Anderson Dr. Suite 200
CITY Pittsburgh STATE: PA ZIP: 15220
ATTENTION: Corey Rich PHONE: 412-921-8984

ANALYSIS

DATA TURNAROUND INFORMATION

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

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 SEE COMMENTS

PRESERVATIVES									COMMENTS	
← Specify Preservatives										
A-HCl	D-NaOH									
B-HNO3	E-ICE									
C-H2SO4	F-OTHER									

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E	E									
1.	FES-SB401-1921	SD		X	11-14-24	1220	2	1	1									
2.	FES-SB401-6062	SD		X	11-15-24	0930	2	1	1									
3.	FES-DUP02-20241114	QC		X	11-14-24	0000	2	1	1								Field Duplicate	
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. <i>[Signature]</i>	DATE/TIME: 11-15-24/1615	RECEIVED BY: 1. <i>[Signature]</i>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.12 °C Comments: Follow Spec Contract For Data Turnaround and Data Deliverable Info
RELINQUISHED BY SAMPLER: 2. FedEx	DATE/TIME: 11-16-24 0905	RECEIVED BY: 2. <i>[Signature]</i>	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488