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

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 : P5113

ATTENTION : Corey Rich

Laboratory Certification ID # 20012

Table Of Contents for P5113

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Cover Page

Order ID : P5113

Project ID : NWIRP Calverton Site 16 Phase 3 RI

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
P5113-01	FES-SB406-4345
P5113-02	FES-SB406-7375

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

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:50 am, Dec 17, 2024

Date: 12/10/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Calverton Site 16 Phase 3 RI
Project # N/A
Chemtech Project # P5113
Test Name: TOC

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 12/05/2024.

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_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:50 am, Dec 17, 2024

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

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

QA Control # A3040961

GENERAL CHEMISTRY CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P5113 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:

QA REVIEW

REVIEWED
By Sohil Jodhani, QA/QC Director at 9:39 am, Dec 17, 2024

Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P5113

	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 Castody	✓
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:** 12/10/2024

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LAB CHRONICLE

OrderID:	P5113	**OrderDate:**	12/5/2024 10:53:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Calverton Site 16 Phase 3 RI
Contact:	Corey Rich	**Location:**	L31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5113-01	**FES-SB406-4345**	**SOIL**			**12/04/24 10:45**			**12/05/24**
			TOC	9060A			12/06/24 12:09	
P5113-02	**FES-SB406-7375**	**SOIL**			**12/04/24 13:00**			**12/05/24**
			TOC	9060A			12/06/24 13:00	

SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/04/24 10:45
Project:	NWIRP Calverton Site 16 Phase 3 RI	Date Received:	12/05/24
Client Sample ID:	FES-SB406-4345	SDG No.:	P5113
Lab Sample ID:	P5113-01	Matrix:	SOIL
		% Solid:	88.4

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	277		1	19.8	50.0	250	mg/Kg		12/06/24 12:09	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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/04/24 13:00
Project:	NWIRP Calverton Site 16 Phase 3 RI	Date Received:	12/05/24
Client Sample ID:	FES-SB406-7375	SDG No.:	P5113
Lab Sample ID:	P5113-02	Matrix:	SOIL
		% Solid:	78.7

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	397		1	19.8	50.0	250	mg/Kg		12/06/24 13:00	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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Initial and Continuing Calibration Verification

Client:	Tetra Tech NUS, Inc.	**SDG No.:**	P5113
Project:	NWIRP Calverton Site 16 Phase 3 RI	**RunNo.:**	LB133779

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	937	1000	94	90-110	12/06/2024
Sample ID:	**CCV2**						
TOC		mg/L	999	1000	100	90-110	12/06/2024

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Initial and Continuing Calibration Blank Summary

Client:	Tetra Tech NUS, Inc.	**SDG No.:**	P5113
Project:	NWIRP Calverton Site 16 Phase 3 RI	**RunNo.:**	LB133779

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	12/06/2024
Sample ID:	**CCB2**							
TOC		mg/L	< 125.0000	125.0000	U	22.3	250	12/06/2024

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Preparation Blank Summary

Client: Tetra Tech NUS, Inc. **SDG No.:** P5113

Project: NWIRP Calverton Site 16 Phase 3 RI

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB133779BLS							
TOC	mg/Kg	< 125.0000	125.0000	U	19.8	250	12/06/2024

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Matrix Spike Summary

Client: Tetra Tech NUS, Inc.
SDG No.: P5113
Project: NWIRP Calverton Site 16 Phase 3 RI
Sample ID: P5022-01
Client ID: TAPIAL2-SB02D-13-112424-00-T1MS
Percent Solids for Spike Sample: 92.9

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	2560		1670		1000	1	89		12/06/2024

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Matrix Spike Summary

Client: Tetra Tech NUS, Inc.
SDG No.: P5113
Project: NWIRP Calverton Site 16 Phase 3 RI
Sample ID: P5022-01
Client ID: TAPIAL2-SB02D-13-112424-00-T1MSD
Percent Solids for Spike Sample: 92.9

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	2550		1670		1000	1	88		12/06/2024

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Duplicate Sample Summary

Client: Tetra Tech NUS, Inc.
SDG No.: P5113
Project: NWIRP Calverton Site 16 Phase 3 RI
Sample ID: P5022-01
Client ID: TAPIAL2-SB02D-13-112424-00-T1MSD
Percent Solids for Spike Sample: 92.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TOC	mg/Kg	+/-20	2560		2550		1	0		12/06/2024

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Laboratory Control Sample Summary

Client:	Tetra Tech NUS, Inc.	**SDG No.:**	P5113
Project:	NWIRP Calverton Site 16 Phase 3 RI	**Run No.:**	LB133779

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **LB133779BSS**								
TOC	mg/Kg	1000	962		96	1	90-110	12/06/2024

RAW DATA

Reviewed By:Iwona
On:12/10/2024 9:22:06 AM
Inst Id :Appolo-9000
LB :LB133779

Sample Results Report Print Date/Time: 2024/12/06 17:08:49

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
CCV1	906.9207			TOC	
CCV1	946.1523			TOC	
CCV1	943.5790			TOC	
CCV1	952.4374	..	...	TOC	..
CCB1	24.7643			TOC	
CCB1	7.8669			TOC	
CCB1	30.2333	..	...	TOC	..
CCB1	23.6075			TOC	
LB133779BLS	2.3765			TOC	
LB133779BLS	1.9132	..	...	TOC	..
LB133779BLS	5.4325			TOC	
LB133779BLS	13.4427			TOC	
LB133779BSS	960.5422	..	...	TOC	..
LB133779BSS	966.7218			TOC	
LB133779BSS	945.8391			TOC	
LB133779BSS	973.9248	..	...	TOC	..
P5113-01	313.2646			TOC	
P5113-01	331.6778			TOC	
P5113-01	232.7811	..	...	TOC	..
P5113-01	231.7867			TOC	
P5113-02	424.3524			TOC	
P5113-02	348.4884	..	...	TOC	..
P5113-02	404.6520			TOC	
P5113-02	409.2955			TOC	
P5022-01	1592.4867	..	...	TOC	..
P5022-01	1520.0836			TOC	
P5022-01	1924.7922			TOC	
P5022-01	1631.9971	..	...	TOC	..
P5022-01MS	2194.9075			TOC	
P5022-01MS	2786.8528			TOC	
P5022-01MS	2944.4070	..	...	TOC	..
P5022-01MS	2298.9773			TOC	
P5022-01MSD	2434.9634			TOC	
P5022-01MSD	2164.7324	..	...	TOC	..
P5022-01MSD	3038.4358			TOC	
P5022-01MSD	2567.5728			TOC	
P5076-01	1049.1886	..	...	TOC	..
P5076-01	1247.4980			TOC	
P5076-01	1138.2893			TOC	
P5076-01	1132.0439	..	...	TOC	..
P5117-01	477.3856			TOC	
P5117-01	409.1736			TOC	
P5117-01	378.8983	..	...	TOC	..
P5117-01	338.3237			TOC	
CCV2	1074.5073			TOC	
CCV2	980.9690	..	...	TOC	..
CCV2	974.1614			TOC	
CCV2	965.5085			TOC	
CCB2	5.6898	..	...	TOC	..
CCB2	17.7748			TOC	
CCB2	43.7854			TOC	
CCB2	7.1315	..	...	TOC	..

Sample Results Report Print Date/Time: 2024/12/06 17:08:49

Method ID	Sample Type	Vial	Timestamp	Message
Boat Sampler	Sample		2024/12/06 10:01	
Boat Sampler	Sample		2024/12/06 10:09	
Boat Sampler	Sample		2024/12/06 10:12	
Boat Sampler	...Sample	..	..2024/12/06 10:16	..
Boat Sampler	Sample		2024/12/06 10:21	
Boat Sampler	Sample		2024/12/06 10:24	Low Sample Detected
Boat Sampler	...Sample	..	..2024/12/06 10:26	..
Boat Sampler	Sample		2024/12/06 10:28	
Boat Sampler	Sample		2024/12/06 10:32	Low Sample Detected
Boat Sampler	...Sample	..	..2024/12/06 10:36	..Low Sample Detected
Boat Sampler	Sample		2024/12/06 10:52	Low Sample Detected
Boat Sampler	Sample		2024/12/06 10:59	
Boat Sampler	...Sample	..	..2024/12/06 11:04	..
Boat Sampler	Sample		2024/12/06 11:06	
Boat Sampler	Sample		2024/12/06 11:10	
Boat Sampler	...Sample	..	..2024/12/06 11:15	..
Boat Sampler	Sample		2024/12/06 11:45	
Boat Sampler	Sample		2024/12/06 11:53	
Boat Sampler	...Sample	..	..2024/12/06 12:05	..
Boat Sampler	Sample		2024/12/06 12:09	
Boat Sampler	Sample		2024/12/06 12:43	
Boat Sampler	...Sample	..	..2024/12/06 12:51	..
Boat Sampler	Sample		2024/12/06 12:55	
Boat Sampler	Sample		2024/12/06 13:00	
Boat Sampler	...Sample	..	..2024/12/06 13:17	..
Boat Sampler	Sample		2024/12/06 13:23	
Boat Sampler	Sample		2024/12/06 13:27	
Boat Sampler	...Sample	..	..2024/12/06 13:55	..
Boat Sampler	Sample		2024/12/06 14:02	
Boat Sampler	Sample		2024/12/06 14:05	
Boat Sampler	...Sample	..	..2024/12/06 14:09	..
Boat Sampler	Sample		2024/12/06 14:12	
Boat Sampler	Sample		2024/12/06 14:16	
Boat Sampler	...Sample	..	..2024/12/06 14:20	..
Boat Sampler	Sample		2024/12/06 14:23	
Boat Sampler	Sample		2024/12/06 14:25	
Boat Sampler	...Sample	..	..2024/12/06 14:51	..
Boat Sampler	Sample		2024/12/06 14:55	
Boat Sampler	Sample		2024/12/06 15:12	
Boat Sampler	...Sample	..	..2024/12/06 15:17	..
Boat Sampler	Sample		2024/12/06 15:24	
Boat Sampler	Sample		2024/12/06 15:27	
Boat Sampler	...Sample	..	..2024/12/06 15:30	..
Boat Sampler	Sample		2024/12/06 15:34	
Boat Sampler	Sample		2024/12/06 15:38	
Boat Sampler	...Sample	..	..2024/12/06 15:41	..
Boat Sampler	Sample		2024/12/06 15:43	
Boat Sampler	Sample		2024/12/06 15:46	
Boat Sampler	...Sample	..	..2024/12/06 15:50	..Low Sample Detected
Boat Sampler	Sample		2024/12/06 15:55	
Boat Sampler	Sample		2024/12/06 15:59	
Boat Sampler	...Sample	..	..2024/12/06 16:02	..Low Sample Detected

Detailed Analysis Report Print Date/Time: 2024/12/06 17:09:57

Sample ID: CCV1 Mode: TOC
Method: Boat Sampler Filename: 12060959
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 10:01
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	906.9207	36.2768	2568813	-2.407	-1.410	61

Sample ID: CCV1 Mode: TOC
Method: Boat Sampler Filename: 12061007
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 10:09
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	946.1523	37.8461	2679935	-2.725	-1.728	68

Sample ID: CCV1 Mode: TOC
Method: Boat Sampler Filename: 12061011
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 10:12
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	943.5790	37.7432	2672646	-2.636	-1.640	66

Sample ID: CCV1 Mode: TOC
Method: Boat Sampler Filename: 12061014
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 10:16
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	952.4374	38.0975	2697737	-2.727	-1.732	64

Sample ID: CCB1 Mode: TOC
Method: Boat Sampler Filename: 12061019
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 10:21
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	24.7643	0.9906	70144	-2.914	-1.925	38

Sample ID: CCB1 Mode: TOC
Method: Boat Sampler Filename: 12061021
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 10:24
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	7.8669	0.3147	22283	-2.922	-2.992	120

Last Message: Low Sample Detected

Sample ID: CCB1 Mode: TOC
Method: Boat Sampler Filename: 12061025
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 10:26
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	30.2333	1.2093	85634	-2.969	-1.983	37

Sample ID: CCB1 Mode: TOC
Method: Boat Sampler Filename: 12061027
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 10:28
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	23.6075	0.9443	66867	-2.937	-1.944	33

Sample ID: LB133779BLS Mode: TOC
Method: Boat Sampler Filename: 12061029
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 10:32
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2.3765	0.0951	6731	-2.943	-3.029	120

Last Message: Low Sample Detected

Sample ID: LB133779BLS Mode: TOC
Method: Boat Sampler Filename: 12061033
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 10:36
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1.9132	0.0765	5419	-2.979	-3.048	120

Last Message: Low Sample Detected

Sample ID: LB133779BLS Mode: TOC
Method: Boat Sampler Filename: 12061049
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 10:52
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	5.4325	0.2173	15387	-3.102	-3.151	120

Last Message: Low Sample Detected

Sample ID: LB133779BLS Mode: TOC
Method: Boat Sampler Filename: 12061058
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 10:59
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	13.4427	0.5377	38076	-3.204	-2.207	32

Sample ID: LB133779BSS
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ
Mode: TOC
Filename: 12061102
Timestamp: 2024/12/06 11:04
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	960.5422	38.4217	2720693	-3.023	-2.028	65

Sample ID: LB133779BSS
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ
Mode: TOC
Filename: 12061104
Timestamp: 2024/12/06 11:06
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	966.7218	38.6689	2738197	-2.960	-1.965	67

Sample ID: LB133779BSS
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ
Mode: TOC
Filename: 12061108
Timestamp: 2024/12/06 11:10
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	945.8391	37.8336	2679048	-3.196	-2.200	68

Sample ID: LB133779BSS
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ
Mode: TOC
Filename: 12061113
Timestamp: 2024/12/06 11:15
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	973.9248	38.9570	2758599			
-3.246	-2.248	69				

Sample ID: P5113-01
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ
Mode: TOC
Filename: 12061143
Timestamp: 2024/12/06 11:45
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	313.2646	1.9422	137533	-3.371	-2.381	36

Sample ID: P5113-01
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: NF IZ
Mode: TOC
Filename: 12061152
Timestamp: 2024/12/06 11:53
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	331.6778	2.4212	171452	-3.383	-2.390	37

Sample ID: P5113-01 Mode: TOC
Method: Boat Sampler Filename: 12061204
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 12:05
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	232.7811	1.6062	113737	-3.366	-2.367	36

Sample ID: P5113-01 Mode: TOC
Method: Boat Sampler Filename: 12061208
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 12:09
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	231.7867	1.5761	111609	-3.419	-2.425	34

Sample ID: P5113-02 Mode: TOC
Method: Boat Sampler Filename: 12061242
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 12:43
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	424.3524	3.0553	216353	-3.366	-2.373	42

Sample ID: P5113-02 Mode: TOC
Method: Boat Sampler Filename: 12061250
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 12:51
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	348.4884	2.0909	148062	-3.386	-2.387	42

Sample ID: P5113-02 Mode: TOC
Method: Boat Sampler Filename: 12061254
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 12:55
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	404.6520	2.2661	160462	-3.350	-2.358	40

Sample ID: P5113-02 Mode: TOC
Method: Boat Sampler Filename: 12061259
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 13:00
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time

1	409.2955	2.4558	173897	-3.416	-2.418	41

Sample ID: P5022-01 Mode: TOC
Method: Boat Sampler Filename: 12061315
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 13:17
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1592.4867	12.7399	902130	-3.460	-2.463	53

Sample ID: P5022-01 Mode: TOC
Method: Boat Sampler Filename: 12061322
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 13:23
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1520.0836	10.3366	731947	-3.406	-2.412	51

Sample ID: P5022-01 Mode: TOC
Method: Boat Sampler Filename: 12061325
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 13:27
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1924.7922	11.1638	790524	-3.446	-2.453	52

Sample ID: P5022-01 Mode: TOC
Method: Boat Sampler Filename: 12061354
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 13:55
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1631.9971	10.2816	728053	-3.216	-2.222	49

Sample ID: P5022-01MS Mode: TOC
Method: Boat Sampler Filename: 12061400
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 14:02
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2194.9075	12.7305	901462	-3.349	-2.353	54

Sample ID: P5022-01MS Mode: TOC
Method: Boat Sampler Filename: 12061403
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 14:05
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2786.8528	15.3277	1085375	-3.316	-2.321	59

Sample ID: P5022-01MS Mode: TOC
Method: Boat Sampler Filename: 12061407
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 14:09
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2944.4070	18.2553	1292685	-3.368	-2.374	62

Sample ID: P5022-01MS Mode: TOC
Method: Boat Sampler Filename: 12061411
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 14:12
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2298.9773	14.2537	1009322	-3.389	-2.396	57

Sample ID: P5022-01MSD Mode: TOC
Method: Boat Sampler Filename: 12061414
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 14:16
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2434.9634	16.5578	1172477	-3.359	-2.360	59

Sample ID: P5022-01MSD Mode: TOC
Method: Boat Sampler Filename: 12061418
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 14:20
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2164.7324	12.9884	919726	-3.330	-2.331	54

Sample ID: P5022-01MSD Mode: TOC
Method: Boat Sampler Filename: 12061421
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 14:23
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	3038.4358	18.8383	1333967	-3.342	-2.344	61

Sample ID: P5022-01MSD Mode: TOC
Method: Boat Sampler Filename: 12061424
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 14:25
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2567.5728	14.8919	1054518	-3.298	-2.298	57

Sample ID: P5076-01 Mode: TOC
Method: Boat Sampler Filename: 12061449
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 14:51
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1049.1886	5.6656	401190	-3.439	-2.439	46

Sample ID: P5076-01 Mode: TOC
Method: Boat Sampler Filename: 12061453
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 14:55
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1247.4980	6.7365	477020	-3.456	-2.459	47

Sample ID: P5076-01 Mode: TOC
Method: Boat Sampler Filename: 12061511
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 15:12
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1138.2893	6.6021	467502	-3.417	-2.425	50

Sample ID: P5076-01 Mode: TOC
Method: Boat Sampler Filename: 12061516
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 15:17
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1132.0439	6.2262	440889	-3.397	-2.398	45

Sample ID: P5117-01 Mode: TOC
Method: Boat Sampler Filename: 12061522
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 15:24
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	477.3856	3.4372	243391	-3.413	-2.424	39

Sample ID: P5117-01 Mode: TOC
Method: Boat Sampler Filename: 12061526
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 15:27
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	409.1736	2.7824	197024	-3.384	-2.392	38

Sample ID: P5117-01 Mode: TOC

Method: Boat Sampler Filename: 12061529
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 15:30
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	378.8983	3.0312	214643	-3.379	-2.382	36

Sample ID: P5117-01 Mode: TOC
Method: Boat Sampler Filename: 12061533
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 15:34
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	338.3237	1.9623	138952	-3.396	-2.402	36

Sample ID: CCV2 Mode: TOC
Method: Boat Sampler Filename: 12061535
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 15:38
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1074.5073	42.9803	3043495	-3.365	-2.366	88

Sample ID: CCV2 Mode: TOC
Method: Boat Sampler Filename: 12061539
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 15:41
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	980.9690	39.2388	2778551	-3.194	-2.195	71

Sample ID: CCV2 Mode: TOC
Method: Boat Sampler Filename: 12061542
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 15:43
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	974.1614	38.9665	2759269	-3.147	-2.151	71

Sample ID: CCV2 Mode: TOC
Method: Boat Sampler Filename: 12061544
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 15:46
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	965.5085	38.6203	2734760	-3.083	-2.083	68

Sample ID: CCB2 Mode: TOC
Method: Boat Sampler Filename: 12061547
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 15:50

Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	5.6898	0.2276	16116	-3.126	-3.264	120

Last Message: Low Sample Detected

Sample ID: CCB2 Mode: TOC
Method: Boat Sampler Filename: 12061554
Cal. Curve: TOC SOIL
Timestamp: 2024/12/06 15:55
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	17.7748	0.7110	50346	-3.273	-2.286	32

Sample ID: CCB2 Mode: TOC
Method: Boat Sampler Filename: 12061558
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 15:59
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	43.7854	1.7514	124020	-3.256	-2.258	42

Sample ID: CCB2 Mode: TOC
Method: Boat Sampler Filename: 12061559
Cal. Curve: TOC SOIL Timestamp: 2024/12/06 16:02
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	7.1315	0.2853	20200	-3.217	-3.281	120

Last Message: Low Sample Detected

Sample Results Report Print Date/Time: 2024/11/12 17:13:44

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	..

Sample Results Report Print Date/Time: 2024/11/12 17:13:44

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

Detailed Analysis Report Print Date/Time: 2024/11/12 17:14:04

Sample ID: BLANK Mode: TOC
Method: Boat Sampler Filename: 11121049
Cal. Curve: TOC SOIL Timestamp: 2024/11/12 11:01
Operator ID: NF IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			15553	-2.075	-2.098	120
2			1727	-2.021	-2.147	120
3			9608	-2.149	-2.198	120
4			10164	-2.127	-2.213	120

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 9263 Std Dev: 5695 RSD: 61.48

Sample ID: 250mg/l Mode: TOC
Method: Boat Sampler Filename: 11121108
Cal. Curve: TOC SOIL Timestamp: 2024/11/12 11:15
Operator ID: NF IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			804219	-2.222	-1.226	44
2			860284	-2.138	-1.145	79
3			803824	-2.215	-1.219	58
4			787394	-2.222	-1.224	54

<<<Statistics>>> Mean: 813930 Std Dev: 31881 RSD: 3.92

Sample ID: 500mg/l Mode: TOC
Method: Boat Sampler Filename: 11121119
Cal. Curve: TOC SOIL Timestamp: 2024/11/12 11:27
Operator ID: NF IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			1530483	-2.276	-1.281	53
2			1492472	-2.156	-1.157	95
3			1787829	-2.254	-1.256	63
4			1512882	-2.186	-1.194	55

<<<Statistics>>> Mean: 1580916 Std Dev: 138813 RSD: 8.78

Sample ID: 1000mg/l Mode: TOC
Method: Boat Sampler Filename: 11121128
Cal. Curve: TOC SOIL Timestamp: 2024/11/12 11:36
Operator ID: NF IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			2717535	-2.380	-1.381	63
2			2887558	-2.069	-1.076	61
3			2826578	-1.987	-0.990	62
4			2759868	-2.106	-1.108	63

<<<Statistics>>> Mean: 2797885 Std Dev: 74757 RSD: 2.67

Sample ID: 2000mg/l Mode: TOC
Method: Boat Sampler Filename: 11121155
Cal. Curve: TOC SOIL Timestamp: 2024/11/12 12:05
Operator ID: NF IZ Sample Type: TOC Standard

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 Mode: TOC
Method: Boat Sampler Filename: 11121210
Cal. Curve: TOC SOIL Timestamp: 2024/11/12 12:12
Operator ID: NF IZ 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 Mode: TOC
Method: Boat Sampler Filename: 11121212
Cal. Curve: TOC SOIL Timestamp: 2024/11/12 12:14
Operator ID: NF IZ 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 Mode: TOC
Method: Boat Sampler Filename: 11121214
Cal. Curve: TOC SOIL Timestamp: 2024/11/12 12:16
Operator ID: NF IZ 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 Mode: TOC
Method: Boat Sampler Filename: 11121217
Cal. Curve: TOC SOIL Timestamp: 2024/11/12 12:18
Operator ID: NF IZ 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 Mode: TOC
Method: Boat Sampler Filename: 11121220
Cal. Curve: TOC SOIL Timestamp: 2024/11/12 12:23
Operator ID: NF IZ 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

Re

Standard ID	Y Raw Data	X Expected ug C	Measured ug C	Message	Date & Time
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)

CB133779

WorkList Name : TOC SOIL-12032024 **WorkList ID :** 185934 **Department :** Wet-Chemistry **Date :** 12-03-2024 15:04:40

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5113-01	FES-SB406-4345	Solid	TOC	Cool 4 deg C	TETR06	L31	12/04/2024	9060A
P5113-02	FES-SB406-7375	Solid	TOC	Cool 4 deg C	TETR06	L31	12/04/2024	9060A
P5022-01	TAPIAL2-SB02D-13-112424-00-	Solid	TOC	Cool 4 deg C	TETR06	L31	12/04/2024	9060A
P5076-01	TAPIAL2-SB02I-7.5-120224-00-	Solid	TOC	Cool 4 deg C	WEST04	L41	11/24/2024	9060A
P5117-01	TAPIAL3-SB04I-10-120324-00-	Solid	TOC	Cool 4 deg C	WEST04	L61	12/02/2024	9060A
					WEST04	L41	12/05/2024	9060A

Date/Time 12.06.2024, 08:30

Raw Sample Received by: NF(WC)

Raw Sample Relinquished by: Mule

Date/Time 12.06.2024, 11:0

Raw Sample Received by:

Raw Sample Relinquished by: NFCW

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

Instrument ID: TOC

Daily Analysis Runlog For Sequence/QCBatch ID # LB133779

Review By	Niha	Review On	12/9/2024 2:36:05 PM
Supervise By	Iwona	Supervise On	12/10/2024 9:22:06 AM
SubDirectory	LB133779	Test	TOC

STD. NAME	STD REF.#
ICAL Standard	WP110667,WP110662,WP110663,WP110664,WP110665
ICV Standard	WP110666
CCV Standard	WP111002
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP111003
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	12/06/24 10:16		NF IZ	OK
9	CCB1	CCB1	CCB	12/06/24 10:28		NF IZ	OK
10	LB133779BLS	LB133779BLS	MB	12/06/24 10:59		NF IZ	OK
11	LB133779BSS	LB133779BSS	LCS	12/06/24 11:15		NF IZ	OK
12	P5113-01	FES-SB406-4345	SAM	12/06/24 12:09		NF IZ	OK
13	P5113-02	FES-SB406-7375	SAM	12/06/24 13:00		NF IZ	OK
14	P5022-01	TAPIAL2-SB02D-13-1	SAM	12/06/24 13:55		NF IZ	OK
15	P5022-01MS	TAPIAL2-SB02D-13-1	MS	12/06/24 14:12	sample + 40ul of 111002	NF IZ	OK
16	P5022-01MSD	TAPIAL2-SB02D-13-1	MSD	12/06/24 14:25	sample + 40ul of 111002	NF IZ	OK
17	P5076-01	TAPIAL2-SB02I-7.5-1	SAM	12/06/24 15:17		NF IZ	OK
18	P5117-01	TAPIAL3-SB04I-10-12	SAM	12/06/24 15:34		NF IZ	OK

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Fax : 908 789 8922

Instrument ID: TOC

Daily Analysis Runlog For Sequence/QCBatch ID # LB133779

Review By	Niha	Review On	12/9/2024 2:36:05 PM
Supervise By	Iwona	Supervise On	12/10/2024 9:22:06 AM
SubDirectory	LB133779	Test	TOC

STD. NAME	STD REF.#
ICAL Standard	WP110667,WP110662,WP110663,WP110664,WP110665
ICV Standard	WP110666
CCV Standard	WP111002
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP111003
Chk Standard	WP109225

19	CCV2	CCV2	CCV	12/06/24 15:46		NF IZ	OK
20	CCB2	CCB2	CCB	12/06/24 16:02		NF IZ	OK

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Prep Standard - Chemical Standard Summary

Order ID : P5113

Test : Percent Solids,TOC

Prepbatch ID :

Sequence ID/Qc Batch ID: LB133779,

Standard ID :
WP109217,WP109218,WP109225,WP110662,WP110663,WP110664,WP110665,WP110666,WP110667,WP111002,WP111003,

Chemical ID :
W2784,W2860,W3111,W3112,

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

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2050	TOC STOCK STD, 4000PPM	WP109217	08/07/2024	01/18/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	WETCHEM_PIPETTE_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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2051	TOC STOCK STD-SS, 4000PPM	WP109218	08/07/2024	02/07/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	WETCHEM_PIPETTE_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

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Fax : 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2435	1:1 PHOSPHORIC ACID FOR TOC SOILS	WP109225	08/07/2024	02/07/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Mohan Bera 08/16/2024

FROM 50.00000ml of W2860 + 50.00000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Fax : 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Fax : 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Fax : 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3544	TOC SOIL Cal- CCV 1000PPM	WP111002	12/06/2024	12/13/2024	Niha Farheen Shaik	None	None	Iwona Zarych 12/09/2024

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

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

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2819	TOC ICV-LCSS, 1000PPM	WP111003	12/06/2024	12/13/2024	Niha Farheen Shaik	None	None	Iwona Zarych 12/09/2024

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

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

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 / Iwona	06/26/2024 / Iwona	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 / Iwona	07/03/2024 / Iwona	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_3PO_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_3COOH)	<= 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

ThermoFisher SCIENTIFIC

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo 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

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.

Certificate of Analysis

POTASSIUM HYDROGEN PHTHALATE

Material: **N983**

Grade: **ACS GRADE**

Batch Number: **24A1956910**

Chemical Formula: HOOCC6H4COOK
Molecular Weight: 204.22
CAS #: 877-24-7
Appearance:

White crystals.

Manufacture Date: 01/19/2022
Reassay Date: 01/18/2025

Storage: Room Temperature

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

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

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/6/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 12/05/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 12/06/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133767

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
P5112-01	10TH-ST-SOIL	1	1.15	8.38	9.53	8.81	91.4	
P5113-01	FES-SB406-4345	2	1.15	8.81	9.96	8.94	88.4	
P5113-02	FES-SB406-7375	3	1.15	8.61	9.76	7.93	78.7	
P5117-01	TAPIAL3-SB04I-10-12032 4-00-T1	4	1.15	8.59	9.74	9.37	95.7	
P5117-02	TAPIAL2-IDW-SOIL-12042 4-00-T2	5	1.15	8.38	9.53	7.84	79.8	
P5120-01	TAPIAL2-IDW-SOIL-12042 4-00-T2	6	1.15	8.38	9.53	7.84	79.8	
P5133-01	MOO-24-00374	9	1.15	8.35	9.5	9.14	95.7	
P5134-01	MOO-24-00373	10	1.00	1.00	2.00	2.00	100.0	debris
P5135-01	LAW-23-00193	11	1.16	8.44	9.6	9.05	93.5	
P5136-01	COMP-1	12	1.16	8.49	9.65	7.26	71.8	
P5137-01	LAW-OILY-STONES	13	1.00	1.00	2.00	2.00	100.0	oily stone
P5137-02	LAW-OILY-STONES-E2	14	1.00	1.00	2.00	2.00	100.0	oily stone
P5144-01	60400	15	1.00	1.00	2.00	2.00	100.0	wipe sample
P5147-01	EX-8-TPH-1	7	1.15	8.82	9.97	8.29	81.0	
P5147-02	EX-8-TPH-2	8	1.15	8.76	9.91	8.1	79.3	

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

WORKLIST(Hardcopy Internal Chain)

VB 133767

WorkList Name : %1-120524 **WorkList ID :** 185988 **Department :** Wet-Chemistry **Date :** 12-05-2024 08:21:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5112-01	10TH-ST-SOIL	Solid	Percent Solids	Cool 4 deg C	TULL02	L51	12/05/2024	Chemtech -SO
P5113-01	FES-SB406-4345	Solid	Percent Solids	Cool 4 deg C	TETR06	L31	12/04/2024	Chemtech -SO
P5113-02	FES-SB406-7375	Solid	Percent Solids	Cool 4 deg C	TETR06	L31	12/04/2024	Chemtech -SO
P5117-01	TAPIAL3-SB04I-10-120324-00-	Solid	Percent Solids	Cool 4 deg C	WEST04	L41	12/05/2024	Chemtech -SO
P5117-02	TAPIAL2-IDW-SOIL-120424-00·	Solid	Percent Solids	Cool 4 deg C	WEST04	L41	12/05/2024	Chemtech -SO
P5120-01	TAPIAL2-IDW-SOIL-120424-00·	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	11/27/2024	Chemtech -SO
P5133-01	MOO-24-00374	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/05/2024	Chemtech -SO
P5134-01	MOO-24-00373	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/05/2024	Chemtech -SO
P5135-01	LAW-23-00193	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	12/05/2024	Chemtech -SO
P5136-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/05/2024	Chemtech -SO
P5137-01	LAW-OILY-STONES	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/05/2024	Chemtech -SO
P5137-02	LAW-OILY-STONES-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	12/05/2024	Chemtech -SO
P5147-01	EX-8-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	12/05/2024	Chemtech -SO
P5147-02	EX-8-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	12/05/2024	Chemtech -SO

Date/Time 12/05/24 15:40

Raw Sample Received by: TD weC

Raw Sample Relinquished by: RJ CEXT-(ab)

Date/Time 12/05/24 17:10

Raw Sample Received by: RJ CEXT-(ab)

Raw Sample Relinquished by: TD weC

SHIPPING DOCUMENTS

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. P5113
COC Number 2042232 P5113

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: TetraTech Inc.
ADDRESS: 661 Andersen Dr. Surte 200
CITY Pittsburgh STATE: PA ZIP: 15220
ATTENTION: Corey Rich
PHONE: 412-921-8984 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Calverton Site 16
PROJECT NO.: 1126-08005-ML205104 LOCATION: Calverton, NY
PROJECT MANAGER: Corey Rich
e-mail: corey.Rich@tetratech.com
PHONE: 412-921-8984 FAX:

CLIENT BILLING INFORMATION

BILL TO: TetraTech Inc. PO#: 1132342
ADDRESS: 661 Andersen dr. Suite200
CITY Pittsburgh STATE: PA ZIP: 15220
ATTENTION: Cory Rich PHONE: 412-921-8984

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

ANALYSIS

TOC
Bulk Density

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								E	E								← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	FES-SB406-4345	SO		X	12-4-21	1045	2	1									
2.	FES-SB406-7375	SO		X	12-4-21	1300	2	1	1								
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

	DATE/TIME:	RECEIVED BY:
RELINQUISHED BY SAMPLER: 1.	12-4-21/1730	1. 1010 12-5-21
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.4 °C
Comments: FOLLOW CONTRACT FOR DATA TURNAROUND AND DATA DELIVERABLE INFO

Page 1 of 1

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

Shipment Complete ☐ YES ☐ NO

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

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