

## **DATA PACKAGE GENERAL CHEMISTRY**

**PROJECT NAME : R36720**

**TETRA TECH, EMI  
240 Continental Drive, Suite 200**

**Newark, DE - 19713  
Phone No: 302-738-7551**

**ORDER ID : P4723  
ATTENTION : Ava Heiss**



**Laboratory Certification ID # 20012**



1) GENERAL CHEMISTRY DATA	2
2) Signature Page	3
3) Case Narrative	4
4) Qualifier Page	5
5) Conformance/Non Conformance	6
6) QA Checklist	7
7) Chronicle	8
8) Sample Data	10
8.1) MC0K33	11
8.2) MC0K34	12
8.3) MC0K35	13
8.4) MC0K36	14
8.5) MC0K37	15
8.6) MC0K38	16
8.7) MC0K39	17
8.8) MC0K52	18
9) QC Data Summary For Genchem	19
9.1) Preparation Blank Summary	20
9.2) Duplicate Sample Summary	21
9.3) Laboratory Control Sample Summary	22
10) GENCHEM RAW DATA	23
10.1) GENCHEM RAW DATA - ANALYTICAL	24
10.1.1) LB133384	24
11) Analytical Runlogs	27
12) Standard Prep Logs	29
13) Shipping Document	31
13.1) Chain Of Custody	32
13.2) Lab Certificate	33

1
2
3
4
5
6
7
8
9
10
11
12
13

## Cover Page

**Order ID :** P4723

**Project ID :** R36720

**Client :** Tetra Tech, EMI

### Lab Sample Number

P4723-01  
P4723-02  
P4723-03  
P4723-06  
P4723-07  
P4723-08  
P4723-09  
P4723-10

### Client Sample Number

MC0K33  
MC0K34  
MC0K35  
MC0K36  
MC0K37  
MC0K38  
MC0K39  
MC0K52

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: 11/19/2024  
By Nimisha Pandya, QA/QC Supervisor at 10:12 am, Nov 20, 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, EMI**

**Project Name: R36720**

**Project # N/A**

**Chemtech Project # P4723**

**Test Name: TSS**

**A. Number of Samples and Date of Receipt:**

8 Water samples were received on 11/06/2024.

**B. Parameters:**

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

**C. Analytical Techniques:**

The analysis of TSS was based on method SM2540 D.

**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 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 10:13 am, Nov 20, 2024*

## DATA REPORTING QUALIFIERS- INORGANIC

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

<b>J</b>	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).
<b>U</b>	Indicates the analyte was analyzed for, but not detected.
<b>ND</b>	Indicates the analyte was analyzed for, but not detected
<b>E</b>	Indicates the reported value is estimated because of the presence of interference
<b>M</b>	Indicates Duplicate injection precision not met.
<b>N</b>	Indicates the spiked sample recovery is not within control limits.
<b>S</b>	Indicates the reported value was determined by the Method of Standard Addition (MSA).
<b>*</b>	Indicates that the duplicate analysis is not within control limits.
<b>+</b>	Indicates the correlation coefficient for the MSA is less than 0.995.
<b>D</b>	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
<b>M</b>	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
<b>OR</b>	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
<b>Q</b>	Indicates the LCS did not meet the control limits requirements
<b>H</b>	Sample Analysis Out Of Hold Time

**GENERAL CHEMISTRY CONFORMANCE/NON-CONFORMANCE SUMMARY**

CHEMTECH PROJECT NUMBER: P4723

MATRIX: Water

METHOD: SM2540 D

	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 10:08 am, Nov 20, 2024

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4723

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

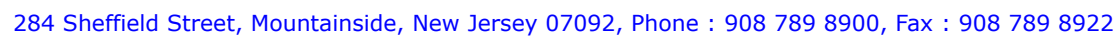
Date: 11/19/2024

## LAB CHRONICLE

<b>OrderID:</b>	P4723	<b>OrderDate:</b>	11/6/2024 11:01:00 AM
<b>Client:</b>	Tetra Tech, EMI	<b>Project:</b>	R36720
<b>Contact:</b>	Ava Heiss	<b>Location:</b>	L31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4723-01	MC0K33	WATER	TSS	SM2540 D	11/04/24 13:20		11/07/24 09:30	11/06/24
P4723-02	MC0K34	WATER	TSS	SM2540 D	11/04/24 12:55		11/07/24 09:30	11/06/24
P4723-03	MC0K35	WATER	TSS	SM2540 D	11/04/24 10:35		11/07/24 09:30	11/06/24
P4723-06	MC0K36	WATER	TSS	SM2540 D	11/04/24 14:10		11/07/24 09:30	11/06/24
P4723-07	MC0K37	WATER	TSS	SM2540 D	11/04/24 11:50		11/07/24 09:30	11/06/24
P4723-08	MC0K38	WATER	TSS	SM2540 D	11/04/24 13:15		11/07/24 09:30	11/06/24
P4723-09	MC0K39	WATER			11/04/24 11:40			11/06/24





**P4723-10**

MC0K52

## WATER

TSS

SM2540 D

11/07/24  
09:30

**11/04/24**  
**12:00**

**11/06/24**

TSS

SM2540 D

11/07/24  
09:30

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13



# SAMPLE DATA

1
2
3
4
5
6
7
8
9
10
11
12
13

## Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	11/04/24 13:20
Project:	R36720	Date Received:	11/06/24
Client Sample ID:	MC0K33	SDG No.:	P4723
Lab Sample ID:	P4723-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	1.20	J	1	1.00	4.00	mg/L		11/07/24 09:30	SM 2540 D-15

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, EMI	Date Collected:	11/04/24 12:55
Project:	R36720	Date Received:	11/06/24
Client Sample ID:	MC0K34	SDG No.:	P4723
Lab Sample ID:	P4723-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	1.40	J	1	1.00	4.00	mg/L		11/07/24 09:30	SM 2540 D-15

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, EMI	Date Collected:	11/04/24 10:35
Project:	R36720	Date Received:	11/06/24
Client Sample ID:	MC0K35	SDG No.:	P4723
Lab Sample ID:	P4723-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	16.0		1	1.00	4.00	mg/L		11/07/24 09:30	SM 2540 D-15

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, EMI	Date Collected:	11/04/24 14:10
Project:	R36720	Date Received:	11/06/24
Client Sample ID:	MC0K36	SDG No.:	P4723
Lab Sample ID:	P4723-06	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	10.5		1	1.00	4.00	mg/L		11/07/24 09:30	SM 2540 D-15

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, EMI	Date Collected:	11/04/24 11:50
Project:	R36720	Date Received:	11/06/24
Client Sample ID:	MC0K37	SDG No.:	P4723
Lab Sample ID:	P4723-07	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	14.2		1	1.00	4.00	mg/L		11/07/24 09:30	SM 2540 D-15

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, EMI	Date Collected:	11/04/24 13:15
Project:	R36720	Date Received:	11/06/24
Client Sample ID:	MC0K38	SDG No.:	P4723
Lab Sample ID:	P4723-08	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	3.00	J	1	1.00	4.00	mg/L		11/07/24 09:30	SM 2540 D-15

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, EMI	Date Collected:	11/04/24 11:40
Project:	R36720	Date Received:	11/06/24
Client Sample ID:	MC0K39	SDG No.:	P4723
Lab Sample ID:	P4723-09	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	1.00	U	1	1.00	4.00	mg/L		11/07/24 09:30	SM 2540 D-15

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, EMI	Date Collected:	11/04/24 12:00
Project:	R36720	Date Received:	11/06/24
Client Sample ID:	MC0K52	SDG No.:	P4723
Lab Sample ID:	P4723-10	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	14.6		1	1.00	4.00	mg/L		11/07/24 09:30	SM 2540 D-15

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

**Preparation Blank Summary**

**Client:** Tetra Tech, EMI

**SDG No.:** P4723

**Project:** R36720

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	<b>LB133384BL</b>						
TSS	mg/L	< 2.0000	2.0000	U	1	4	11/07/2024

### Duplicate Sample Summary

<b>Client:</b>	Tetra Tech, EMI	<b>SDG No.:</b>	P4723
<b>Project:</b>	R36720	<b>Sample ID:</b>	P4736-02
<b>Client ID:</b>	COMPDUP	<b>Percent Solids for Spike Sample:</b>	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
TSS	mg/L	+/-5	493		511		1	3.59		11/07/2024

### Laboratory Control Sample Summary

**Client:** Tetra Tech, EMI

**SDG No.:** P4723

**Project:** R36720

**Run No.:** LB133384

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133384BS							
TSS	mg/L	550	536		98	1	90-110	11/07/2024



# RAW DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# TOTAL SUSPENDED SOLIDS - SM2540D

SUPERVISOR: Iwona

ANALYST: Niha

Date: 11/06/2024

Run Number: LB133384

BalanceID: WC SC-6

OvenID: WC OVEN-1

FilterID: 17416528

ThermometerID: WET OVEN#1

TEMP1 IN: 103 °C 11/06/2024 14:00 TEMP1 OUT: 104 °C 11/06/2024 15:00  
 TEMP2 IN: 103 °C 11/06/2024 15:30 TEMP2 OUT: 104 °C 11/06/2024 16:30  
 TEMP3 IN: 104 °C 11/07/2024 09:30 TEMP3 OUT: 103 °C 11/07/2024 11:00  
 TEMP4 IN: 104 °C 11/07/2024 11:30 TEMP4 OUT: 103 °C 11/07/2024 13:00

Dish #	Lab ID	Client ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Sample Volume (ml)	1st Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	2nd Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	Final Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	Weight (g)	Result mg/L
1	LB133384BL	LB133384BL	1.3994	1.3994	100	1.3994	1.3994	1.3994	0.0000	0
2	LB133384BS	LB133384BS	1.4230	1.4230	100	1.4766	1.4766	1.4766	0.0536	536
3	P4723-01	MC0K33	1.3992	1.3992	1000	1.4004	1.4004	1.4004	0.0012	1.2
4	P4723-02	MC0K34	1.3748	1.3748	1000	1.3762	1.3762	1.3762	0.0014	1.4
5	P4723-03	MC0K35	1.4102	1.4102	1000	1.4262	1.4262	1.4262	0.0160	16
6	P4723-06	MC0K36	1.4124	1.4124	1000	1.4229	1.4229	1.4229	0.0105	10.5
7	P4723-07	MC0K37	1.4061	1.4061	1000	1.4203	1.4203	1.4203	0.0142	14.2
8	P4723-08	MC0K38	1.4251	1.4251	1000	1.4281	1.4281	1.4281	0.0030	3
9	P4723-09	MC0K39	1.4275	1.4275	1000	1.4283	1.4283	1.4283	0.0008	0.8
10	P4723-10	MC0K52	1.3947	1.3947	1000	1.4093	1.4093	1.4093	0.0146	14.6
11	P4725-01	MCOK03	1.4034	1.4034	1000	1.4418	1.4418	1.4418	0.0384	38.4
12	P4725-02	MCOK30	1.4063	1.4063	1000	1.4185	1.4185	1.4185	0.0122	12.2
13	P4725-03	MCOK31	1.3996	1.3996	1000	1.4016	1.4016	1.4016	0.0020	2
14	P4725-04	MCOK32	1.3906	1.3906	1000	1.3920	1.3920	1.3920	0.0014	1.4
15	P4725-05	MCOK49	1.4080	1.4080	1000	1.4090	1.4090	1.4090	0.0010	1



# TOTAL SUSPENDED SOLIDS - SM2540D

SUPERVISOR: Iwona

ANALYST: Niha

Date: 11/06/2024

Run Number: LB133384

BalanceID: WC SC-6

OvenID: WC OVEN-1

FilterID: 17416528

ThermometerID: WET OVEN#1

TEMP1 IN: 103 °C 11/06/2024 14:00 TEMP1 OUT: 104 °C 11/06/2024 15:00  
 TEMP2 IN: 103 °C 11/06/2024 15:30 TEMP2 OUT: 104 °C 11/06/2024 16:30  
 TEMP3 IN: 104 °C 11/07/2024 09:30 TEMP3 OUT: 103 °C 11/07/2024 11:00  
 TEMP4 IN: 104 °C 11/07/2024 11:30 TEMP4 OUT: 103 °C 11/07/2024 13:00

Dish #	Lab ID	Client ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Sample Volume (ml)	1st Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	2nd Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	Final Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	Weight (g)	Result mg/L
16	P4725-06	MCOK50	1.4257	1.4257	1000	1.4283	1.4283	1.4283	0.0026	2.6
17	P4725-07	MCOK51	1.4059	1.4059	1000	1.4069	1.4069	1.4069	0.0010	1
18	P4735-01	EFFLUENT	1.4132	1.4132	20	1.5171	1.5171	1.5171	0.1039	5195
19	P4735-04	AERATION TK 1	1.4002	1.4002	20	1.5420	1.5420	1.5420	0.1418	7090
20	P4736-02	COMP	1.4153	1.4153	100	1.4646	1.4646	1.4646	0.0493	493
21	P4736-02DUP	COMPDUP	1.4059	1.4059	100	1.4570	1.4570	1.4570	0.0511	511

A = Sample Volume (ml)  
 B = Final Empty Dish Weight (g)  
 C = Final Empty Dish + Sample weight after 1.5 hr drying @105°C(g)  
 D = Weight (g)

Weight (g) = C - B

Result mg/L =  $\frac{D}{A} \times 1000 \times 1000$

LB 133384

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TSS-11062024      WorkList ID : 185173      Department : Wet-Chemistry      Date : 11-06-2024 11:28:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4723-01	MC0K33	Water	TSS	Cool 4 deg C	TETR16	L31	11/04/2024	SM2540 D
P4723-02	MC0K34	Water	TSS	Cool 4 deg C	TETR16	L31	11/04/2024	SM2540 D
P4723-05	P4723-03MSD	Water	TSS	Cool 4 deg C	TETR16	L31	11/04/2024	SM2540 D
P4723-06	MC0K36	Water	TSS	Cool 4 deg C	TETR16	L31	11/04/2024	SM2540 D
P4723-07	MC0K37	Water	TSS	Cool 4 deg C	TETR16	L31	11/04/2024	SM2540 D
P4723-08	MC0K38	Water	TSS	Cool 4 deg C	TETR16	L31	11/04/2024	SM2540 D
P4725-05	MCOK49	Water	TSS	Cool 4 deg C	TETR16	L23	11/04/2024	SM2540 D
P4725-06	MCOK50	Water	TSS	Cool 4 deg C	TETR16	L23	11/04/2024	SM2540 D
P4725-07	MCOK51	Water	TSS	Cool 4 deg C	TETR16	L23	11/04/2024	SM2540 D
P4723-09	MC0K39	Water	TSS	Cool 4 deg C	TETR16	L31	11/04/2024	SM2540 D
P4723-10	MCOK52	Water	TSS	Cool 4 deg C	TETR16	L31	11/04/2024	SM2540 D
P4725-01	MCOK03	Water	TSS	Cool 4 deg C	TETR16	L23	11/04/2024	SM2540 D
P4725-02	MCOK30	Water	TSS	Cool 4 deg C	TETR16	L23	11/04/2024	SM2540 D
P4725-03	MCOK31	Water	TSS	Cool 4 deg C	TETR16	L23	11/04/2024	SM2540 D
P4725-04	MCOK32	Water	TSS	Cool 4 deg C	TETR16	L23	11/04/2024	SM2540 D
P4736-02	COMP	Water	TSS	Cool 4 deg C	ARAM01	L11	11/06/2024	SM2540 D
P4735-01	EFFLUENT	Water	TSS	Cool 4 deg C	HOLL01	L11	11/06/2024	SM2540 D
P4735-04	AERATION TK 1	Water	TSS	Cool 4 deg C	HOLL01	L11	11/06/2024	SM2540 D

Date/Time      11.07.2024      08:30  
Raw Sample Received by:      NF(wc)  
Raw Sample Relinquished by:      NF(wc)

Instrument ID: WC SC-3

**Daily Analysis Runlog For Sequence/QC Batch ID # LB133384**

Review By	Niha	Review On	11/11/2024 10:00:11 AM
Supervise By	Iwona	Supervise On	11/13/2024 4:19:38 PM
SubDirectory	LB133384	Test	TSS
<b>STD. NAME</b>	<b>STD REF.#</b>		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB133384BL	LB133384BL	MB	11/07/24 09:30		Niha	OK
2	LB133384BS	LB133384BS	LCS	11/07/24 09:30		Niha	OK
3	P4723-01	MC0K33	SAM	11/07/24 09:30		Niha	OK
4	P4723-02	MC0K34	SAM	11/07/24 09:30		Niha	OK
5	P4723-03	MC0K35	SAM	11/07/24 09:30		Niha	OK
6	P4723-06	MC0K36	SAM	11/07/24 09:30		Niha	OK
7	P4723-07	MC0K37	SAM	11/07/24 09:30		Niha	OK
8	P4723-08	MC0K38	SAM	11/07/24 09:30		Niha	OK
9	P4723-09	MC0K39	SAM	11/07/24 09:30		Niha	OK
10	P4723-10	MC0K52	SAM	11/07/24 09:30		Niha	OK
11	P4725-01	MC0K03	SAM	11/07/24 09:30		Niha	OK
12	P4725-02	MC0K30	SAM	11/07/24 09:30		Niha	OK
13	P4725-03	MC0K31	SAM	11/07/24 09:30		Niha	OK
14	P4725-04	MC0K32	SAM	11/07/24 09:30		Niha	OK
15	P4725-05	MC0K49	SAM	11/07/24 09:30		Niha	OK
16	P4725-06	MC0K50	SAM	11/07/24 09:30		Niha	OK
17	P4725-07	MC0K51	SAM	11/07/24 09:30		Niha	OK
18	P4735-01	EFFLUENT	SAM	11/07/24 09:30		Niha	OK

Instrument ID: WC SC-3

**Daily Analysis Runlog For Sequence/QC Batch ID # LB133384**

Review By	Niha	Review On	11/11/2024 10:00:11 AM
Supervise By	Iwona	Supervise On	11/13/2024 4:19:38 PM
SubDirectory	LB133384	Test	TSS

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	N/A

19	P4735-04	AERATION TK 1	SAM	11/07/24 09:30		Niha	OK
20	P4736-02	COMP	SAM	11/07/24 09:30		Niha	OK
21	P4736-02DUP	COMPDUP	DUP	11/07/24 09:30		Niha	OK

### Prep Standard - Chemical Standard Summary

Order ID : P4723

Test : TSS

Prepbatch ID :

Sequence ID/Qc Batch ID: LB133384,

Standard ID :

Chemical ID :

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13

### CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
				/	/	

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13



# SHIPPING DOCUMENTS

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

## USEPA CLP COC (LAB COPY)

DateShipped: 11/5/2024

CarrierName: FedEx

AirbillNo: 7797 5015 7660

## CHAIN OF CUSTODY RECORD

DAS #: R36720

Cooler #: TSS

P4723

No: 3-110524-105737-0091

Lab: Chemtech Lab

Lab Contact: Yazmeen Gomez

Lab Phone: (908) 728-3147

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
ET-WW-01-20241104	MC0K33	Waste Water/ START	Grab	TSS(14)	2973 (4 C) (1)	WW-01	11/04/2024 13:20	
ET-WW-02-20241104	MC0K34	Waste Water/ START	Grab	TSS(14)	2976 (4 C) (1)	WW-02	11/04/2024 12:55	
ET-WW-04-20241104	MC0K35	Waste Water/ START	Grab	TSS(14)	2979 (4 C), 2982 (4 C), 2983 (4 C) (3)	WW-04	11/04/2024 10:35	
ET-WW-03-20241104	MC0K36	Waste Water/ START	Grab	TSS(14)	2987 (4 C) (1)	WW-03	11/04/2024 14:10	
ET-WW-05-20241104	MC0K37	Waste Water/ START	Grab	TSS(14)	2990 (4 C) (1)	WW-05	11/04/2024 11:50	
ET-WW-06-20241104	MC0K38	Waste Water/ START	Grab	TSS(14)	2993 (4 C) (1)	WW-06	11/04/2024 13:15	
ET-WW-08-20241104	MC0K39	Waste Water/ START	Grab	TSS(14)	2996 (4 C) (1)	WW-08	11/04/2024 11:40	
ET-DUP-04-20241104	MC0K52	Waste Water/ START	Grab	TSS(14)	3019 (4 C) (1)	DUP-04	11/04/2024 12:00	

Sample(s) to be used for Lab QC: ET-WW-04-20241104 Tag 2979, ET-WW-04-20241104 Tag 2982, ET-WW-04-20241104 Tag 2983 - Special Instructions: Total Suspended Solids

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TSS=Total Suspended Solids

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sample drop off	Emily Miller / START	11/5/24 1200	CR	10:15 11-6-24	PR-Box 1, 2.4 Custody Seal Intact Temp Blank present



**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