

**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 : P4506  
ATTENTION : Ava Heiss**



**Laboratory Certification ID # 20012**



<b>1) GENERAL CHEMISTRY DATA</b>	<b>2</b>
<b>2) Signature Page</b>	<b>3</b>
<b>3) Case Narrative</b>	<b>4</b>
<b>4) Qualifier Page</b>	<b>5</b>
<b>5) Conformance/Non Conformance</b>	<b>6</b>
<b>6) QA Checklist</b>	<b>7</b>
<b>7) Chronicle</b>	<b>8</b>
<b>8) Sample Data</b>	<b>10</b>
<b>8.1) MC0JX3</b>	<b>11</b>
<b>8.2) MC0JX4</b>	<b>12</b>
<b>8.3) MC0JX5</b>	<b>13</b>
<b>8.4) MC0JX6</b>	<b>14</b>
<b>8.5) MC0JX7</b>	<b>15</b>
<b>8.6) MC0JX8</b>	<b>16</b>
<b>8.7) MC0JX9</b>	<b>17</b>
<b>8.8) MC0JY0</b>	<b>18</b>
<b>9) QC Data Summary For Genchem</b>	<b>19</b>
<b>9.1) Preparation Blank Summary</b>	<b>20</b>
<b>9.2) Duplicate Sample Summary</b>	<b>21</b>
<b>9.3) Laboratory Control Sample Summary</b>	<b>22</b>
<b>10) GENCHEM RAW DATA</b>	<b>23</b>
<b>10.1) GENCHEM RAW DATA - ANALYTICAL</b>	<b>24</b>
<b>10.1.1) LB133104</b>	<b>24</b>
<b>11) Analytical Runlogs</b>	<b>27</b>
<b>12) Standard Prep Logs</b>	<b>29</b>
<b>13) Shipping Document</b>	<b>31</b>
<b>13.1) Chain Of Custody</b>	<b>32</b>
<b>13.2) Lab Certificate</b>	<b>33</b>

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

## Cover Page

**Order ID :** P4506

**Project ID :** R36720

**Client :** Tetra Tech, EMI

### Lab Sample Number

P4506-01  
P4506-02  
P4506-03  
P4506-04  
P4506-05  
P4506-06  
P4506-07  
P4506-08

### Client Sample Number

MC0JX3  
MC0JX4  
MC0JX5  
MC0JX6  
MC0JX7  
MC0JX8  
MC0JX9  
MC0JY0

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 : \_\_\_\_\_

Date: 11/5/2024

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 # P4506**  
**Test Name: TSS**

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

8 Water samples were received on 10/23/2024.

**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 \_\_\_\_\_



## 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: P4506

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:

\_\_\_\_\_  
QA REVIEW

\_\_\_\_\_  
Date

**APPENDIX A**

**QA REVIEW GENERAL DOCUMENTATION**

Project #: P4506

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: 11/05/2024

### LAB CHRONICLE

<b>OrderID:</b> P4506	<b>OrderDate:</b> 10/23/2024 11:04:00 AM
<b>Client:</b> Tetra Tech, EMI	<b>Project:</b> R36720
<b>Contact:</b> Ava Heiss	<b>Location:</b> K61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4506-01	MC0JX3	WATER	TSS	SM2540 D	10/21/24 14:40		10/24/24 09:30	10/23/24
P4506-02	MC0JX4	WATER	TSS	SM2540 D	10/21/24 14:00		10/24/24 09:30	10/23/24
P4506-03	MC0JX5	WATER	TSS	SM2540 D	10/21/24 15:45		10/24/24 09:30	10/23/24
P4506-04	MC0JX6	WATER	TSS	SM2540 D	10/21/24 12:00		10/24/24 09:30	10/23/24
P4506-05	MC0JX7	WATER	TSS	SM2540 D	10/21/24 13:00		10/24/24 09:30	10/23/24
P4506-06	MC0JX8	WATER	TSS	SM2540 D	10/21/24 14:30		10/24/24 09:30	10/23/24
P4506-07	MC0JX9	WATER	TSS	SM2540 D	10/21/24 12:30		10/24/24 09:30	10/23/24

---

**LAB CHRONICLE**

**P4506-08**

**MCOJYO**

**WATER**

**10/21/24**  
**12:25**

**10/23/24**

TSS

SM2540 D

10/24/24  
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:	10/21/24 14:40
Project:	R36720	Date Received:	10/23/24
Client Sample ID:	MC0JX3	SDG No.:	P4506
Lab Sample ID:	P4506-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	2.80	J	1	1.00	4.00	mg/L		10/24/24 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:	10/21/24 14:00
Project:	R36720	Date Received:	10/23/24
Client Sample ID:	MC0JX4	SDG No.:	P4506
Lab Sample ID:	P4506-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	6.20		1	1.00	4.00	mg/L		10/24/24 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:	10/21/24 15:45
Project:	R36720	Date Received:	10/23/24
Client Sample ID:	MC0JX5	SDG No.:	P4506
Lab Sample ID:	P4506-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	16.9		1	1.00	4.00	mg/L		10/24/24 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:	10/21/24 12:00
Project:	R36720	Date Received:	10/23/24
Client Sample ID:	MC0JX6	SDG No.:	P4506
Lab Sample ID:	P4506-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	11.1		1	1.00	4.00	mg/L		10/24/24 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:	10/21/24 13:00
Project:	R36720	Date Received:	10/23/24
Client Sample ID:	MC0JX7	SDG No.:	P4506
Lab Sample ID:	P4506-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	23.3		1	1.00	4.00	mg/L		10/24/24 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:	10/21/24 14:30
Project:	R36720	Date Received:	10/23/24
Client Sample ID:	MC0JX8	SDG No.:	P4506
Lab Sample ID:	P4506-06	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	2.50	J	1	1.00	4.00	mg/L		10/24/24 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

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

## Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	10/21/24 12:30
Project:	R36720	Date Received:	10/23/24
Client Sample ID:	MC0JX9	SDG No.:	P4506
Lab Sample ID:	P4506-07	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	1.60	J	1	1.00	4.00	mg/L		10/24/24 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:	10/21/24 12:25
Project:	R36720	Date Received:	10/23/24
Client Sample ID:	MC0JY0	SDG No.:	P4506
Lab Sample ID:	P4506-08	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	1.70	J	1	1.00	4.00	mg/L		10/24/24 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.:** P4506  
**Project:** R36720

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: <b>LB133104BL</b>							
<b>TSS</b>	<b>mg/L</b>	<b>&lt; 2.0000</b>	<b>2.0000</b>	<b>U</b>	<b>1</b>	<b>4</b>	<b>10/24/2024</b>

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

### Duplicate Sample Summary

<b>Client:</b>	Tetra Tech, EMI	<b>SDG No.:</b>	P4506
<b>Project:</b>	R36720	<b>Sample ID:</b>	P4491-02
<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	667		681		1	2.08		10/24/2024

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

### Laboratory Control Sample Summary

<b>Client:</b>	Tetra Tech, EMI	<b>SDG No.:</b>	P4506
<b>Project:</b>	R36720	<b>Run No.:</b>	LB133104

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133104BS							
TSS	mg/L	550	542		98	1	90-110	10/24/2024

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



# RAW DATA

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

**TOTAL SUSPENDED SOLIDS - SM2540D**

**SUPERVISOR:** Iwona

**ANALYST:** Niha

**Date:** 10/23/2024

**Run Number:** LB133104

**BalanceID:** WC SC-6

**OvenID:** WC OVEN-1

**FilterID:** 17416528

**ThermometerID:** WET OVEN#1

**TEMP1 IN:** 103 °C 10/23/2024 14:00    **TEMP1 OUT:** 103 °C 10/23/2024 15:00  
**TEMP2 IN:** 103 °C 10/23/2024 15:30    **TEMP2 OUT:** 104 °C 10/23/2024 16:30  
**TEMP3 IN:** 104 °C 10/24/2024 09:30    **TEMP3 OUT:** 103 °C 10/24/2024 11:00  
**TEMP4 IN:** 104 °C 10/24/2024 11:30    **TEMP4 OUT:** 104 °C 10/24/2024 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	LB133104BL	LB133104BL	1.4013	1.4013	100	1.4013	1.4013	1.4013	0.0000	0
2	LB133104BS	LB133104BS	1.4156	1.4156	100	1.4698	1.4698	1.4698	0.0542	542
3	P4491-02	COMP	1.3803	1.3803	100	1.4470	1.4470	1.4470	0.0667	667
4	P4491-02DUP	COMPDUP	1.3799	1.3799	100	1.4480	1.4480	1.4480	0.0681	681
5	P4505-01	MC0JW6	1.4127	1.4127	1000	1.4188	1.4188	1.4188	0.0061	6.1
6	P4505-02	MC0JW7	1.4091	1.4091	1000	1.4108	1.4108	1.4108	0.0017	1.7
7	P4505-03	MC0JW8	1.4201	1.4201	1000	1.4240	1.4240	1.4240	0.0039	3.9
8	P4505-04	MC0JW9	1.4035	1.4035	1000	1.4504	1.4504	1.4504	0.0469	46.9
9	P4505-05	MC0JX0	1.4212	1.4212	1000	1.4315	1.4315	1.4315	0.0103	10.3
10	P4505-06	MC0JX1	1.4072	1.4072	1000	1.4128	1.4128	1.4128	0.0056	5.6
11	P4505-07	MC0JX2	1.3929	1.3929	1000	1.3966	1.3966	1.3966	0.0037	3.7
12	P4506-01	MC0JX3	1.4046	1.4046	1000	1.4074	1.4074	1.4074	0.0028	2.8
13	P4506-02	MC0JX4	1.4006	1.4006	1000	1.4068	1.4068	1.4068	0.0062	6.2
14	P4506-03	MC0JX5	1.4184	1.4184	1000	1.4353	1.4353	1.4353	0.0169	16.9
15	P4506-04	MC0JX6	1.4069	1.4069	1000	1.4180	1.4180	1.4180	0.0111	11.1



TOTAL SUSPENDED SOLIDS - SM2540D

SUPERVISOR: Iwona

ANALYST: Niha

Date: 10/23/2024

Run Number: LB133104

BalanceID: WC SC-6

OvenID: WC OVEN-1

FilterID: 17416528

ThermometerID: WET OVEN#1

TEMP1 IN: 103 °C 10/23/2024 14:00 TEMP1 OUT: 103 °C 10/23/2024 15:00  
 TEMP2 IN: 103 °C 10/23/2024 15:30 TEMP2 OUT: 104 °C 10/23/2024 16:30  
 TEMP3 IN: 104 °C 10/24/2024 09:30 TEMP3 OUT: 103 °C 10/24/2024 11:00  
 TEMP4 IN: 104 °C 10/24/2024 11:30 TEMP4 OUT: 104 °C 10/24/2024 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	P4506-05	MC0JX7	1.4067	1.4067	1000	1.4300	1.4300	1.4300	0.0233	23.3
17	P4506-06	MC0JX8	1.3992	1.3992	1000	1.4017	1.4017	1.4017	0.0025	2.5
18	P4506-07	MC0JX9	1.3690	1.3690	1000	1.3706	1.3706	1.3706	0.0016	1.6
19	P4506-08	MC0JY0	1.4046	1.4046	1000	1.4063	1.4063	1.4063	0.0017	1.7

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)

$$\text{Weight (g)} = C - B$$

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

# WORKLIST(Hardcopy Internal Chain)

LB133104

WorkList Name : TSS-10232024

WorkList ID : 184710

Department : Wet-Chemistry

Date : 10-23-2024 13:35:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4491-02	COMP	Water	TSS	Cool 4 deg C	ARAM01	K11	10/23/2024	SM2540 D
P4505-01	MC0JW6	Water	TSS	Cool 4 deg C	TETR16	K61	10/21/2024	SM2540 D
P4505-02	MC0JW7	Water	TSS	Cool 4 deg C	TETR16	K61	10/21/2024	SM2540 D
P4505-03	MC0JW8	Water	TSS	Cool 4 deg C	TETR16	K61	10/21/2024	SM2540 D
P4505-04	MC0JW9	Water	TSS	Cool 4 deg C	TETR16	K61	10/21/2024	SM2540 D
P4505-05	MC0JX0	Water	TSS	Cool 4 deg C	TETR16	K61	10/21/2024	SM2540 D
P4505-06	MC0JX1	Water	TSS	Cool 4 deg C	TETR16	K61	10/21/2024	SM2540 D
P4505-07	MC0JX2	Water	TSS	Cool 4 deg C	TETR16	K61	10/21/2024	SM2540 D
P4506-01	MC0JX3	Water	TSS	Cool 4 deg C	TETR16	K61	10/21/2024	SM2540 D
P4506-02	MC0JX4	Water	TSS	Cool 4 deg C	TETR16	K61	10/21/2024	SM2540 D
P4506-03	MC0JX5	Water	TSS	Cool 4 deg C	TETR16	K61	10/21/2024	SM2540 D
P4506-04	MC0JX6	Water	TSS	Cool 4 deg C	TETR16	K61	10/21/2024	SM2540 D
P4506-05	MC0JX7	Water	TSS	Cool 4 deg C	TETR16	K61	10/21/2024	SM2540 D
P4506-06	MC0JX8	Water	TSS	Cool 4 deg C	TETR16	K61	10/21/2024	SM2540 D
P4506-07	MC0JX9	Water	TSS	Cool 4 deg C	TETR16	K61	10/21/2024	SM2540 D
P4506-08	MC0JY0	Water	TSS	Cool 4 deg C	TETR16	K61	10/21/2024	SM2540 D

Date/Time 10.24.2024, 08:30

Raw Sample Received by: NF(wc)

Raw Sample Relinquished by: A Well 1

Date/Time 10.24.2024, 09:3

Raw Sample Received by: M (w/c)

Raw Sample Relinquished by: NF(wc)

Instrument ID: WC SC-3

**Daily Analysis Runlog For Sequence/QC Batch ID # LB133104**

Review By	Niha	Review On	10/24/2024 1:30:07 PM
Supervise By	Iwona	Supervise On	10/24/2024 2:22:44 PM
SubDirectory	LB133104	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

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB133104BL	LB133104BL	MB	10/24/24 09:30		Niha	OK
2	LB133104BS	LB133104BS	LCS	10/24/24 09:30		Niha	OK
3	P4491-02	COMP	SAM	10/24/24 09:30		Niha	OK
4	P4491-02DUP	COMPDUP	DUP	10/24/24 09:30		Niha	OK
5	P4505-01	MC0JW6	SAM	10/24/24 09:30		Niha	OK
6	P4505-02	MC0JW7	SAM	10/24/24 09:30		Niha	OK
7	P4505-03	MC0JW8	SAM	10/24/24 09:30		Niha	OK
8	P4505-04	MC0JW9	SAM	10/24/24 09:30		Niha	OK
9	P4505-05	MC0JX0	SAM	10/24/24 09:30		Niha	OK
10	P4505-06	MC0JX1	SAM	10/24/24 09:30		Niha	OK
11	P4505-07	MC0JX2	SAM	10/24/24 09:30		Niha	OK
12	P4506-01	MC0JX3	SAM	10/24/24 09:30		Niha	OK
13	P4506-02	MC0JX4	SAM	10/24/24 09:30		Niha	OK
14	P4506-03	MC0JX5	SAM	10/24/24 09:30		Niha	OK
15	P4506-04	MC0JX6	SAM	10/24/24 09:30		Niha	OK
16	P4506-05	MC0JX7	SAM	10/24/24 09:30		Niha	OK
17	P4506-06	MC0JX8	SAM	10/24/24 09:30		Niha	OK
18	P4506-07	MC0JX9	SAM	10/24/24 09:30		Niha	OK

Instrument ID: WC SC-3

**Daily Analysis Runlog For Sequence/QC Batch ID # LB133104**

Review By	Niha	Review On	10/24/2024 1:30:07 PM
Supervise By	Iwona	Supervise On	10/24/2024 2:22:44 PM
SubDirectory	LB133104	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	P4506-08	MC0JY0	SAM	10/24/24 09:30		Niha	OK
----	----------	--------	-----	----------------	--	------	----



### Prep Standard - Chemical Standard Summary

**Order ID :** P4506

**Test :** TSS

**Prepbatch ID :**

**Sequence ID/Qc Batch ID:** LB133104,

**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

P 4506

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 3-102224-114642-0073

Date Shipped: ~~10/17/2024~~ 10/22/2024

Carrier Name: FedEx

Airbill No: 779434549393

DAS #: R36720

Cooler #: TSS WW

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-01-20241021	MC0JX3	Waste Water/ START	Grab	TSS(14)	2847 (4 C) (1)	WW-01	10/21/2024 14:40	
ET-WW-02-20241021	MC0JX4	Waste Water/ START	Grab	TSS(14)	2850 (4 C) (1)	WW-02	10/21/2024 14:00	
ET-WW-03-20241021	MC0JX5	Waste Water/ START	Grab	TSS(14)	2853 (4 C) (1)	WW-03	10/21/2024 15:45	
ET-WW-04-20241021	MC0JX6	Waste Water/ START	Grab	TSS(14)	2856 (4 C) (1)	WW-04	10/21/2024 12:00	
ET-WW-05-20241021	MC0JX7	Waste Water/ START	Grab	TSS(14)	2859 (4 C) (1)	WW-05	10/21/2024 13:00	
ET-WW-06-20241021	MC0JX8	Waste Water/ START	Grab	TSS(14)	2862 (4 C) (1)	WW-06	10/21/2024 14:30	
ET-DUP-02-20241021	MC0JX9	Waste Water/ START	Grab	TSS(14)	2865 (4 C) (1)	DUP-02	10/21/2024 12:30	
ET-WW-08-20241021	MC0JY0	Waste Water/ START	Grab	TSS(14)	2868 (4 C) (1)	WW-08	10/21/2024 12:25	

Special Instructions: TSS WW	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
	Empty/START	10/22/24 1430		950 10-23-24	IR. Co # 2-3 Custody Seal Intact Temp Blank present

**Laboratory Certification**

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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