

LAB CHRONICLE

| | |
|--------------------------------|--|
| OrderID: P4649 | OrderDate: 10/31/2024 11:09:00 AM |
| Client: Tetra Tech, EMI | Project: R36720 |
| Contact: Ava Heiss | Location: K61 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|----------|--------|------|----------|-------------------|-----------|-------------------|----------|
| P4649-01 | MC0JZ7 | WATER | TSS | SM2540 D | 10/29/24 12:20 | | 11/04/24 09:30 | 10/31/24 |
| P4649-02 | MC0JZ9 | WATER | TSS | SM2540 D | 10/29/24 12:30 | | 11/04/24 09:30 | 10/31/24 |
| P4649-03 | MC0K01 | WATER | TSS | SM2540 D | 10/29/24 12:45 | | 11/04/24 09:30 | 10/31/24 |
| P4649-04 | MC0K04 | WATER | TSS | SM2540 D | 10/29/24 12:40 | | 11/04/24 09:30 | 10/31/24 |
| P4649-05 | MC0K06 | WATER | TSS | SM2540 D | 10/29/24 12:05 | | 11/04/24 09:30 | 10/31/24 |
| P4649-06 | MC0K08 | WATER | TSS | SM2540 D | 10/29/24 11:20 | | 11/04/24 09:30 | 10/31/24 |
| P4649-07 | MC0K10 | WATER | TSS | SM2540 D | 10/29/24 10:20 | | 11/04/24 09:30 | 10/31/24 |

LAB CHRONICLE

| | | | | | | | |
|-----------------|---------------|--------------|-----|----------|---------------------------|-------------------|-----------------|
| P4649-08 | MC0K12 | WATER | | | 10/29/24 11:05 | | 10/31/24 |
| | | | TSS | SM2540 D | | 11/04/24 09:30 | |
| P4649-09 | MC0K14 | WATER | | | 10/29/24 11:50 | | 10/31/24 |
| | | | TSS | SM2540 D | | 11/04/24 09:30 | |
| P4649-10 | MC0K16 | WATER | | | 10/29/24 10:40 | | 10/31/24 |
| | | | TSS | SM2540 D | | 11/04/24 09:30 | |
| P4649-11 | MC0K18 | WATER | | | 10/29/24 12:55 | | 10/31/24 |
| | | | TSS | SM2540 D | | 11/04/24 09:30 | |
| P4649-12 | MC0K20 | WATER | | | 10/29/24 11:35 | | 10/31/24 |
| | | | TSS | SM2540 D | | 11/04/24 09:30 | |
| P4649-13 | MC0K22 | WATER | | | 10/29/24 09:45 | | 10/31/24 |
| | | | TSS | SM2540 D | | 11/04/24 09:30 | |

A

B

C

D



SAMPLE DATA

A

B

C

D

Report of Analysis

| | | | |
|-------------------|-----------------|-----------------|----------------|
| Client: | Tetra Tech, EMI | Date Collected: | 10/29/24 12:20 |
| Project: | R36720 | Date Received: | 10/31/24 |
| Client Sample ID: | MC0JZ7 | SDG No.: | P4649 |
| Lab Sample ID: | P4649-01 | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|-----------|-------|------|----|------|------------|-------|-----------|----------------|--------------|
| TSS | 263 | | 1 | 1.00 | 4.00 | mg/L | | 11/04/24 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: | 10/29/24 12:30 |
| Project: | R36720 | Date Received: | 10/31/24 |
| Client Sample ID: | MC0JZ9 | SDG No.: | P4649 |
| Lab Sample ID: | P4649-02 | 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 | | 11/04/24 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: | 10/29/24 12:45 |
| Project: | R36720 | Date Received: | 10/31/24 |
| Client Sample ID: | MC0K01 | SDG No.: | P4649 |
| Lab Sample ID: | P4649-03 | 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 | | 11/04/24 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: | 10/29/24 12:40 |
| Project: | R36720 | Date Received: | 10/31/24 |
| Client Sample ID: | MC0K04 | SDG No.: | P4649 |
| Lab Sample ID: | P4649-04 | 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 | | 11/04/24 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: | 10/29/24 12:05 |
| Project: | R36720 | Date Received: | 10/31/24 |
| Client Sample ID: | MC0K06 | SDG No.: | P4649 |
| Lab Sample ID: | P4649-05 | 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 | | 11/04/24 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: | 10/29/24 11:20 |
| Project: | R36720 | Date Received: | 10/31/24 |
| Client Sample ID: | MC0K08 | SDG No.: | P4649 |
| Lab Sample ID: | P4649-06 | 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 | | 11/04/24 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: | 10/29/24 10:20 |
| Project: | R36720 | Date Received: | 10/31/24 |
| Client Sample ID: | MC0K10 | SDG No.: | P4649 |
| Lab Sample ID: | P4649-07 | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|-----------|-------|------|----|------|------------|-------|-----------|----------------|--------------|
| TSS | 1.10 | J | 1 | 1.00 | 4.00 | mg/L | | 11/04/24 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: | 10/29/24 11:05 |
| Project: | R36720 | Date Received: | 10/31/24 |
| Client Sample ID: | MC0K12 | SDG No.: | P4649 |
| Lab Sample ID: | P4649-08 | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|-----------|-------|------|----|------|------------|-------|-----------|----------------|--------------|
| TSS | 1.50 | J | 1 | 1.00 | 4.00 | mg/L | | 11/04/24 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: | 10/29/24 11:50 |
| Project: | R36720 | Date Received: | 10/31/24 |
| Client Sample ID: | MC0K14 | SDG No.: | P4649 |
| Lab Sample ID: | P4649-09 | 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 | | 11/04/24 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: | 10/29/24 10:40 |
| Project: | R36720 | Date Received: | 10/31/24 |
| Client Sample ID: | MC0K16 | SDG No.: | P4649 |
| Lab Sample ID: | P4649-10 | 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 | | 11/04/24 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: | 10/29/24 12:55 |
| Project: | R36720 | Date Received: | 10/31/24 |
| Client Sample ID: | MC0K18 | SDG No.: | P4649 |
| Lab Sample ID: | P4649-11 | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|-----------|-------|------|----|------|------------|-------|-----------|----------------|--------------|
| TSS | 12.1 | | 1 | 1.00 | 4.00 | mg/L | | 11/04/24 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: | 10/29/24 11:35 |
| Project: | R36720 | Date Received: | 10/31/24 |
| Client Sample ID: | MC0K20 | SDG No.: | P4649 |
| Lab Sample ID: | P4649-12 | 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 | | 11/04/24 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: | 10/29/24 09:45 |
| Project: | R36720 | Date Received: | 10/31/24 |
| Client Sample ID: | MC0K22 | SDG No.: | P4649 |
| Lab Sample ID: | P4649-13 | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|-----------|-------|------|----|------|------------|-------|-----------|----------------|--------------|
| TSS | 5.80 | | 1 | 1.00 | 4.00 | mg/L | | 11/04/24 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

Preparation Blank Summary

Client: Tetra Tech, EMI

SDG No.: P4649

Project: R36720

| Analyte | Units | Result | Acceptance Limits | Conc Qual | MDL | RDL | Analysis Date |
|------------|-------------------|----------|----------------------|--------------|-----|-----|------------------|
| Sample ID: | LB133266BL | | | | | | |
| TSS | mg/L | < 2.0000 | 2.0000 | U | 1 | 4 | 11/04/2024 |

Duplicate Sample Summary

| | | | |
|-------------------|-----------------|---|----------|
| Client: | Tetra Tech, EMI | SDG No.: | P4649 |
| Project: | R36720 | Sample ID: | P4638-02 |
| Client ID: | COMPDUP | Percent Solids for Spike Sample: | 0 |

| Analyte | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/ AD | Qual | Analysis Date |
|---------|-------|---------------------|------------------|--------------------|---------------------|--------------------|--------------------|------------|------|------------------|
| TSS | mg/L | +/-5 | 734 | | 740 | | 1 | 0.81 | | 11/04/2024 |

Laboratory Control Sample Summary

Client: Tetra Tech, EMI

SDG No.: P4649

Project: R36720

Run No.: LB133266

| Analyte | Units | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-----------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID | LB133266BS | | | | | | | |
| TSS | mg/L | 550 | 538 | | 98 | 1 | 90-110 | 11/04/2024 |