

LOCSD Water Quality Results from 05/16/2024 Sampling Event

| Well | | | MW-1 | | MW-2 | | MW-3 | | MW-4 | | MW-5 | |
|--|------------------|---------------------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|
| Analyte | Unit | Maximum Contaminant Level | Shallow | Deep | Shallow | Deep | Shallow | Deep | Shallow | Deep | Shallow | Deep |
| Boron, Total Recoverable | mg/L | — | 0.085 | 0.065 | 0.133 | 0.139 | 0.145 | 0.140 | 0.228 | 0.225 | 0.141 | 0.139 |
| Chloride | mg/L | 500* | 110 | 110 | 110 | 150 | 49 | 48 | 97 | 100 | 43 | 43 |
| Nitrate as N | mg/L | 10 | 2.1 | 2.2 | 8.6 | 9.9 | 5.9 | 6.1 | 14 | 14 | 4.7 | 4.7 |
| Nitrite as N | mg/L | 1 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Nitrogen, Total | mg/L | — | na | 2.20 | 8.89 | 10.10 | 5.90 | 6.10 | 14.00 | 14.00 | 4.70 | 4.70 |
| Nitrogen Kjeldahl, Total | mg/L | — | ND | ND | 0.287 | 0.215 | ND | ND | ND | ND | ND | ND |
| Sodium, Total Recoverable | mg/L | — | 63.8 | 58.1 | 65.3 | 72.6 | 43.4 | 43.2 | 71.3 | 71.8 | 40.0 | 40.5 |
| Sulfate | mg/L | 500* | 48 | 42 | 96 | 94 | 190 | 190 | 180 | 180 | 170 | 170 |
| Total Dissolved Solids | mg/L | 1000* | 529 | 510 | 948 | 1030 | 853 | 844 | 1160 | 1160 | 745 | 746 |
| δ15N of nitrate (relative to Air) | ‰ (per thousand) | — | na | 16.8 | na | 20.0 | na | 8.8 | na | 11.7 | na | 9.3 |
| δ18O of nitrate (relative to VSMOW) | ‰ (per thousand) | — | na | 13.3 | na | 15.9 | na | 6.6 | na | 3.8 | na | 7.8 |

* = Secondary Maximum Contaminant Level

na = not sampled

VSMOW = Vienna Standard Mean Ocean Water

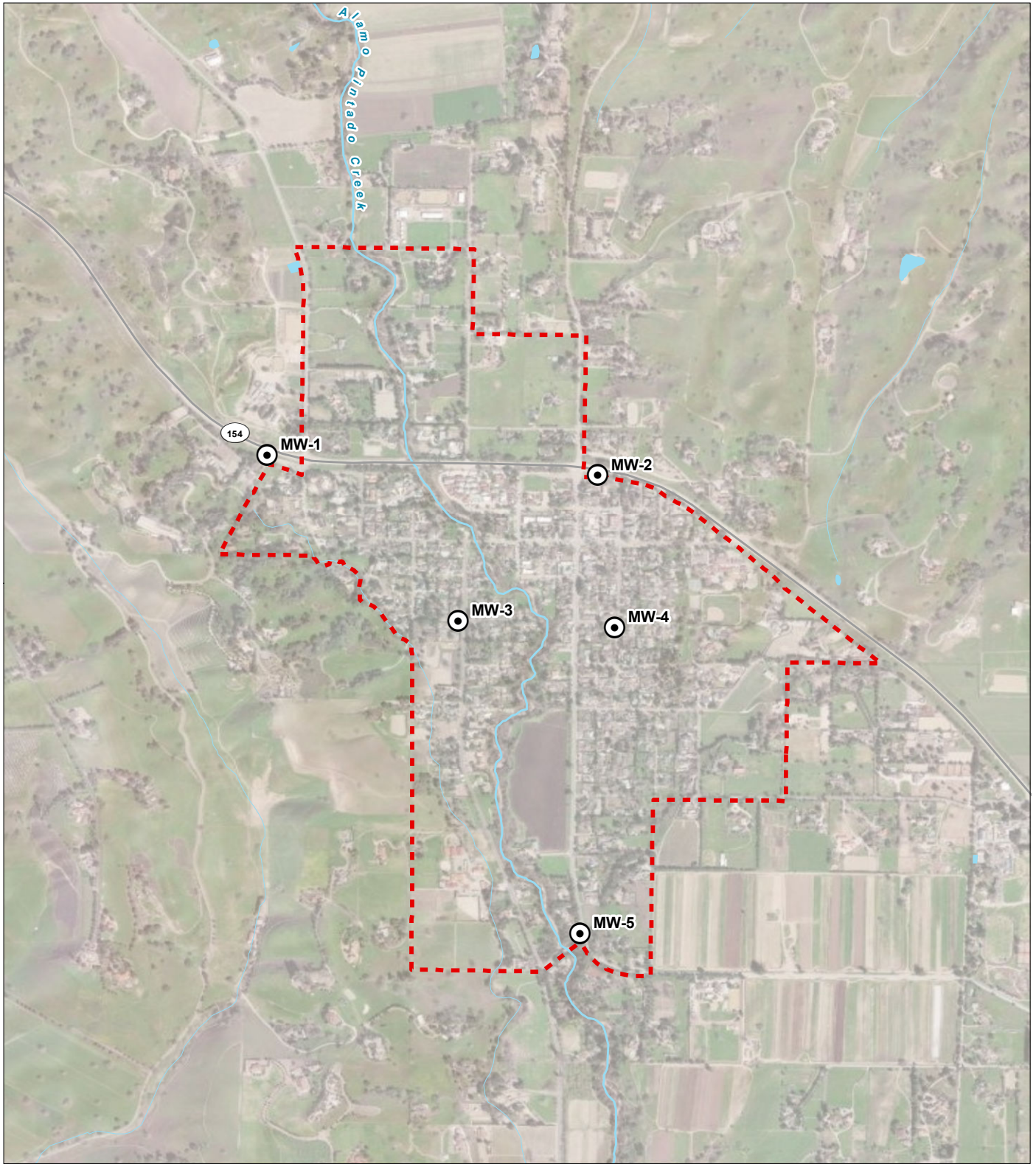
LOCSD Water Quality Results from November 2022 through May 2024

| | | | MW-1 | | | | MW-2 | | | | MW-3 | | | MW-4 | | | MW-5 | | |
|--------------------------|------|-------|---------------|---------------|--------------------|-----------------|---------------|---------------|--------------------|-----------------|---------------|--------------------|-----------------|---------------|--------------------|-----------------|---------------|--------------------|-----------------|
| Date | | | November 2022 | February 2024 | May 2024 (shallow) | May 2024 (deep) | November 2022 | February 2024 | May 2024 (shallow) | May 2024 (deep) | February 2024 | May 2024 (shallow) | May 2024 (deep) | February 2024 | May 2024 (shallow) | May 2024 (deep) | February 2024 | May 2024 (shallow) | May 2024 (deep) |
| Analyte | Unit | MCL | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | 1 | 11 | 0.25 | — | — | 1.1 | 7.46 | — | — | 1.19 | — | — | 0.37 | — | — | 2.56 | — | — |
| Arsenic | mg/L | 0.01 | 0.011 | 0.013 | — | — | 0.004 | 0.013 | — | — | ND | — | — | ND | — | — | ND | — | — |
| Boron | mg/L | — | 0.078 | 0.083 | 0.085 | 0.065 | 0.290 | 0.180 | 0.133 | 0.139 | 0.140 | 0.145 | 0.140 | 0.210 | 0.228 | 0.225 | 0.140 | 0.141 | 0.139 |
| Chloride | mg/L | 500* | 110 | 110 | 110 | 110 | 130 | 210 | 110 | 150 | 53 | 49 | 48 | 87 | 97 | 100 | 41 | 43 | 43 |
| Iron | mg/L | 0.3* | 22.00 | 0.41 | — | — | 2.00 | 12.1 | — | — | 1.88 | — | — | 0.39 | — | — | 3.60 | — | — |
| Manganese | mg/L | 0.05* | 0.37 | 0.04 | — | — | 0.11 | 0.32 | — | — | 0.10 | — | — | 0.01 | — | — | 0.06 | — | — |
| Nitrate as N | mg/L | 10 | 2.6 | 2.4 | 2.1 | 2.2 | 10 | 11 | 8.6 | 9.9 | 6.3 | 5.9 | 6.1 | 11 | 14 | 14 | 4.5 | 4.7 | 4.7 |
| Nitrite as N | mg/L | 1 | — | — | ND | ND | — | — | ND | ND | — | ND | ND | — | ND | ND | — | ND | ND |
| Nitrogen, Total | mg/L | — | — | — | — | 2.20 | — | — | 8.89 | 10.10 | — | 5.90 | 6.10 | — | 14.00 | 14.00 | — | 4.70 | 4.70 |
| Nitrogen Kjeldahl, Total | mg/L | — | — | — | ND | ND | — | — | 0.287 | 0.215 | — | ND | ND | — | ND | ND | — | ND | ND |
| Sodium | mg/L | — | — | — | 63.8 | 58.1 | — | — | 65.3 | 72.6 | — | 43.4 | 43.2 | — | 71.3 | 71.8 | — | 40.0 | 40.5 |
| Sulfate | mg/L | 250* | 40 | 39 | 48 | 42 | 120 | 95 | 96 | 94 | 190 | 190 | 190 | 180 | 180 | 180 | 190 | 170 | 170 |
| Total Dissolved Solids | mg/L | 500* | 450 | 492 | 529 | 510 | 840 | 1120 | 948 | 1030 | 846 | 853 | 844 | 1090 | 1160 | 1160 | 791 | 745 | 746 |
| δ15N of nitrate | ‰ | — | — | — | — | 16.8 | — | — | — | 20.0 | — | — | 8.8 | — | — | 11.7 | — | — | 9.3 |
| δ18O of nitrate | ‰ | — | — | — | — | 13.3 | — | — | — | 15.9 | — | — | 6.6 | — | — | 3.8 | — | — | 7.8 |

* = Secondary Maximum Contaminant Level

— = not applied/not sampled

ND = not detected



LEGEND



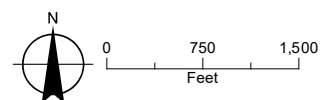
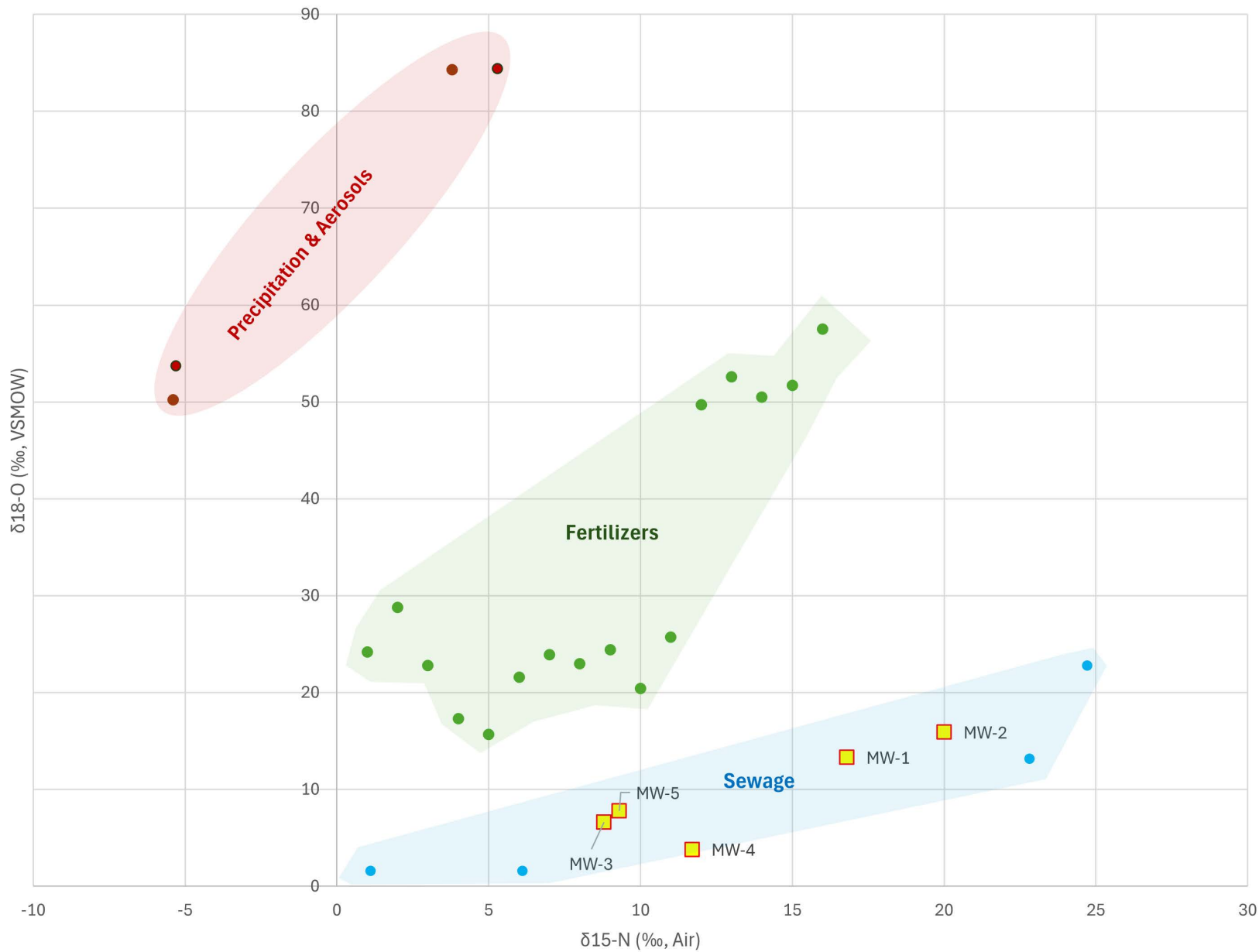
-  Monitoring Well
-  Los Olivos Special Problem Area
- All Other Features**
-  Major Road
-  Watercourse
-  Waterbody

FIGURE 1

Well Location Map
MW-3, MW-4, and MW-5 Well Construction Report



Date: March 12, 2024
Data Sources: BLM, ESRI, ODOT, USGS, Aerial Photo 2020





ANALYTICAL REPORT

PREPARED FOR

Attn: Andres Lapostol
GSI Water Solutions, Inc
418 Chapala Street, Suite E
Santa Barbara, California 93101

Generated 6/14/2024 9:26:18 AM

JOB DESCRIPTION

LOCS D

JOB NUMBER

570-184998-1

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Job Notes

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Authorization



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Authorized for release by
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Definitions/Glossary

Client: GSI Water Solutions, Inc
Project/Site: LOCS D

Job ID: 570-184998-1

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description |
|-----------|------------------------------------|
| E | Result exceeded calibration range. |

Metals

| Qualifier | Qualifier Description |
|-----------|---|
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

General Chemistry

| Qualifier | Qualifier Description |
|-----------|--|
| F1 | MS and/or MSD recovery exceeds control limits. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: GSI Water Solutions, Inc
Project: LOCS D

Job ID: 570-184998-1

Job ID: 570-184998-1

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Job Narrative 570-184998-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 5/17/2024 6:27 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.8°C and 3.0°C.

Subcontract Work

Method Nitrogen & Oxygen Isotopes--15N/14N & 18O/16O analysis of Diss NO3: This method was subcontracted to Isotech Laboratories, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

HPLC/IC

Method 300_ORGFM_28D: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 570-441907 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Sulfate in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Detection Summary

Client: GSI Water Solutions, Inc
Project/Site: LOCSD

Job ID: 570-184998-1

Client Sample ID: MW-1 (S)

Lab Sample ID: 570-184998-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|---------|------|---------|---|---------------|-------------------|
| Nitrate as N | 2.1 | | 0.10 | 0.020 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 48 | | 1.0 | 0.18 | mg/L | 1 | | 300.0 | Total/NA |
| Chloride - DL | 110 | | 10 | 3.6 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 2.1 | | 0.10 | 0.020 | mg/L | 1 | | NO2NO3 Calc | Total/NA |
| Boron | 0.0851 | J | 0.500 | 0.00348 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Sodium | 63.8 | | 2.00 | 0.186 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Total Dissolved Solids | 529 | | 10.0 | 8.70 | mg/L | 1 | | SM 2540C | Total/NA |

Client Sample ID: MW-2 (S)

Lab Sample ID: 570-184998-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-------|---------|------|---------|---|----------------|-------------------|
| Chloride - DL | 110 | | 10 | 3.6 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate as N - DL | 8.6 | | 1.0 | 0.20 | mg/L | 10 | | 300.0 | Total/NA |
| Sulfate - DL | 96 | | 10 | 1.8 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 8.6 | | 0.10 | 0.020 | mg/L | 1 | | NO2NO3 Calc | Total/NA |
| Boron | 0.133 | J | 0.500 | 0.00348 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Sodium | 65.3 | | 2.00 | 0.186 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Total Kjeldahl Nitrogen | 0.287 | F1 | 0.200 | 0.112 | mg/L | 1 | | 351.2 | Total/NA |
| Total Dissolved Solids | 948 | | 10.0 | 8.70 | mg/L | 1 | | SM 2540C | Total/NA |
| Total Nitrogen | 8.89 | | 1.00 | 0.350 | mg/L | 1 | | Total Nitrogen | Total/NA |

Client Sample ID: MW-3 (S)

Lab Sample ID: 570-184998-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|---------|------|---------|---|----------------|-------------------|
| Chloride | 49 | | 1.0 | 0.36 | mg/L | 1 | | 300.0 | Total/NA |
| Nitrate as N | 5.9 | | 0.10 | 0.020 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate - DL | 190 | | 10 | 1.8 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 5.9 | | 0.10 | 0.020 | mg/L | 1 | | NO2NO3 Calc | Total/NA |
| Boron | 0.145 | J | 0.500 | 0.00348 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Sodium | 43.4 | | 2.00 | 0.186 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Total Dissolved Solids | 853 | | 10.0 | 8.70 | mg/L | 1 | | SM 2540C | Total/NA |
| Total Nitrogen | 5.90 | | 1.00 | 0.350 | mg/L | 1 | | Total Nitrogen | Total/NA |

Client Sample ID: MW-4 (S)

Lab Sample ID: 570-184998-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|---------|------|---------|---|----------------|-------------------|
| Chloride - DL | 97 | | 10 | 3.6 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate as N - DL | 14 | | 1.0 | 0.20 | mg/L | 10 | | 300.0 | Total/NA |
| Sulfate - DL | 180 | | 10 | 1.8 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 14 | | 0.10 | 0.020 | mg/L | 1 | | NO2NO3 Calc | Total/NA |
| Boron | 0.228 | J | 0.500 | 0.00348 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Sodium | 71.3 | | 2.00 | 0.186 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Total Dissolved Solids | 1160 | | 10.0 | 8.70 | mg/L | 1 | | SM 2540C | Total/NA |
| Total Nitrogen | 14.0 | | 1.00 | 0.350 | mg/L | 1 | | Total Nitrogen | Total/NA |

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: GSI Water Solutions, Inc
Project/Site: LOCSD

Job ID: 570-184998-1

Client Sample ID: MW-5 (S)

Lab Sample ID: 570-184998-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|---------|------|---------|---|----------------|-------------------|
| Chloride | 43 | | 1.0 | 0.36 | mg/L | 1 | | 300.0 | Total/NA |
| Nitrate as N | 4.7 | | 0.10 | 0.020 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate - DL | 170 | | 10 | 1.8 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 4.7 | | 0.10 | 0.020 | mg/L | 1 | | NO2NO3 Calc | Total/NA |
| Boron | 0.141 | J | 0.500 | 0.00348 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Sodium | 40.0 | | 2.00 | 0.186 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Total Dissolved Solids | 745 | | 10.0 | 8.70 | mg/L | 1 | | SM 2540C | Total/NA |
| Total Nitrogen | 4.70 | | 1.00 | 0.350 | mg/L | 1 | | Total Nitrogen | Total/NA |

Client Sample ID: MW-1 (D)

Lab Sample ID: 570-184998-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|---------|------|---------|---|----------------|-------------------|
| Nitrate as N | 2.2 | | 0.10 | 0.020 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 42 | | 1.0 | 0.18 | mg/L | 1 | | 300.0 | Total/NA |
| Chloride - DL | 110 | | 10 | 3.6 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 2.2 | | 0.10 | 0.020 | mg/L | 1 | | NO2NO3 Calc | Total/NA |
| Boron | 0.0651 | J | 0.500 | 0.00348 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Sodium | 58.1 | | 2.00 | 0.186 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Total Dissolved Solids | 510 | | 10.0 | 8.70 | mg/L | 1 | | SM 2540C | Total/NA |
| Total Nitrogen | 2.20 | | 1.00 | 0.350 | mg/L | 1 | | Total Nitrogen | Total/NA |

Client Sample ID: MW-2 (D)

Lab Sample ID: 570-184998-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-------|---------|------|---------|---|----------------|-------------------|
| Chloride - DL | 150 | | 10 | 3.6 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate as N - DL | 9.9 | | 1.0 | 0.20 | mg/L | 10 | | 300.0 | Total/NA |
| Sulfate - DL | 94 | | 10 | 1.8 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 9.9 | | 0.10 | 0.020 | mg/L | 1 | | NO2NO3 Calc | Total/NA |
| Boron | 0.139 | J | 0.500 | 0.00348 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Sodium | 72.6 | | 2.00 | 0.186 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Total Kjeldahl Nitrogen | 0.215 | | 0.200 | 0.112 | mg/L | 1 | | 351.2 | Total/NA |
| Total Dissolved Solids | 1030 | | 10.0 | 8.70 | mg/L | 1 | | SM 2540C | Total/NA |
| Total Nitrogen | 10.1 | | 1.00 | 0.350 | mg/L | 1 | | Total Nitrogen | Total/NA |

Client Sample ID: MW-3 (D)

Lab Sample ID: 570-184998-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|---------|------|---------|---|----------------|-------------------|
| Chloride | 48 | | 1.0 | 0.36 | mg/L | 1 | | 300.0 | Total/NA |
| Nitrate as N | 6.1 | | 0.10 | 0.020 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate - DL | 190 | | 10 | 1.8 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 6.1 | | 0.10 | 0.020 | mg/L | 1 | | NO2NO3 Calc | Total/NA |
| Boron | 0.140 | J | 0.500 | 0.00348 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Sodium | 43.2 | | 2.00 | 0.186 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Total Dissolved Solids | 844 | | 10.0 | 8.70 | mg/L | 1 | | SM 2540C | Total/NA |
| Total Nitrogen | 6.10 | | 1.00 | 0.350 | mg/L | 1 | | Total Nitrogen | Total/NA |

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: GSI Water Solutions, Inc
Project/Site: LOCSD

Job ID: 570-184998-1

Client Sample ID: MW-4 (D)

Lab Sample ID: 570-184998-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|---------|------|---------|---|----------------|-------------------|
| Chloride - DL | 100 | | 10 | 3.6 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate as N - DL | 14 | | 1.0 | 0.20 | mg/L | 10 | | 300.0 | Total/NA |
| Sulfate - DL | 180 | | 10 | 1.8 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 14 | | 0.10 | 0.020 | mg/L | 1 | | NO2NO3 Calc | Total/NA |
| Boron | 0.225 | J | 0.500 | 0.00348 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Sodium | 71.8 | | 2.00 | 0.186 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Total Dissolved Solids | 1160 | | 10.0 | 8.70 | mg/L | 1 | | SM 2540C | Total/NA |
| Total Nitrogen | 14.0 | | 1.00 | 0.350 | mg/L | 1 | | Total Nitrogen | Total/NA |

Client Sample ID: MW-5 (D)

Lab Sample ID: 570-184998-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|---------|------|---------|---|----------------|-------------------|
| Chloride | 43 | | 1.0 | 0.36 | mg/L | 1 | | 300.0 | Total/NA |
| Nitrate as N | 4.7 | | 0.10 | 0.020 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate - DL | 170 | | 10 | 1.8 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 4.7 | | 0.10 | 0.020 | mg/L | 1 | | NO2NO3 Calc | Total/NA |
| Boron | 0.139 | J | 0.500 | 0.00348 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Sodium | 40.5 | | 2.00 | 0.186 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Total Dissolved Solids | 746 | | 10.0 | 8.70 | mg/L | 1 | | SM 2540C | Total/NA |
| Total Nitrogen | 4.70 | | 1.00 | 0.350 | mg/L | 1 | | Total Nitrogen | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

Client: GSI Water Solutions, Inc
Project/Site: LOCS D

Job ID: 570-184998-1

Client Sample ID: MW-1 (S)
Date Collected: 05/16/24 09:40
Date Received: 05/17/24 18:27

Lab Sample ID: 570-184998-1
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrite as N | ND | | 0.10 | 0.043 | mg/L | | | 05/17/24 23:48 | 1 |
| Nitrate as N | 2.1 | | 0.10 | 0.020 | mg/L | | | 05/17/24 23:48 | 1 |
| Sulfate | 48 | | 1.0 | 0.18 | mg/L | | | 05/17/24 23:48 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Chloride | 110 | | 10 | 3.6 | mg/L | | | 05/18/24 03:58 | 10 |

Method: EPA NO2NO3 Calc - Nitrogen, Nitrate-Nitrite

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | 2.1 | | 0.10 | 0.020 | mg/L | | | 05/17/24 23:48 | 1 |

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|---------|------|---|----------------|----------------|---------|
| Boron | 0.0851 | J | 0.500 | 0.00348 | mg/L | | 05/22/24 05:49 | 05/23/24 20:15 | 1 |
| Sodium | 63.8 | | 2.00 | 0.186 | mg/L | | 05/22/24 05:49 | 05/23/24 20:15 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Dissolved Solids (SM 2540C) | 529 | | 10.0 | 8.70 | mg/L | | | 05/22/24 13:45 | 1 |

Client Sample ID: MW-2 (S)
Date Collected: 05/16/24 11:20
Date Received: 05/17/24 18:27

Lab Sample ID: 570-184998-2
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrite as N | ND | | 0.10 | 0.043 | mg/L | | | 05/18/24 00:42 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 110 | | 10 | 3.6 | mg/L | | | 05/18/24 04:52 | 10 |
| Nitrate as N | 8.6 | | 1.0 | 0.20 | mg/L | | | 05/18/24 04:52 | 10 |
| Sulfate | 96 | | 10 | 1.8 | mg/L | | | 05/18/24 04:52 | 10 |

Method: EPA NO2NO3 Calc - Nitrogen, Nitrate-Nitrite

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | 8.6 | | 0.10 | 0.020 | mg/L | | | 05/18/24 04:52 | 1 |

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|---------|------|---|----------------|----------------|---------|
| Boron | 0.133 | J | 0.500 | 0.00348 | mg/L | | 05/22/24 05:49 | 05/23/24 20:17 | 1 |
| Sodium | 65.3 | | 2.00 | 0.186 | mg/L | | 05/22/24 05:49 | 05/23/24 20:17 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Total Kjeldahl Nitrogen (EPA 351.2) | 0.287 | F1 | 0.200 | 0.112 | mg/L | | 05/22/24 15:27 | 05/23/24 19:47 | 1 |
| Total Dissolved Solids (SM 2540C) | 948 | | 10.0 | 8.70 | mg/L | | | 05/22/24 13:45 | 1 |
| Total Nitrogen (EPA Total Nitrogen) | 8.89 | | 1.00 | 0.350 | mg/L | | | 05/23/24 19:47 | 1 |

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Client Sample Results

Client: GSI Water Solutions, Inc
Project/Site: LOCS D

Job ID: 570-184998-1

Client Sample ID: MW-3 (S)

Lab Sample ID: 570-184998-3

Date Collected: 05/16/24 13:45

Matrix: Water

Date Received: 05/17/24 18:27

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 49 | | 1.0 | 0.36 | mg/L | | | 05/18/24 00:59 | 1 |
| Nitrite as N | ND | | 0.10 | 0.043 | mg/L | | | 05/18/24 00:59 | 1 |
| Nitrate as N | 5.9 | | 0.10 | 0.020 | mg/L | | | 05/18/24 00:59 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Sulfate | 190 | | 10 | 1.8 | mg/L | | | 05/18/24 05:10 | 10 |

Method: EPA NO2NO3 Calc - Nitrogen, Nitrate-Nitrite

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | 5.9 | | 0.10 | 0.020 | mg/L | | | 05/18/24 00:59 | 1 |

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|---------|------|---|----------------|----------------|---------|
| Boron | 0.145 | J | 0.500 | 0.00348 | mg/L | | 05/22/24 05:49 | 05/23/24 20:19 | 1 |
| Sodium | 43.4 | | 2.00 | 0.186 | mg/L | | 05/22/24 05:49 | 05/23/24 20:19 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Total Kjeldahl Nitrogen (EPA 351.2) | ND | | 0.200 | 0.112 | mg/L | | 05/22/24 15:27 | 05/23/24 19:47 | 1 |
| Total Dissolved Solids (SM 2540C) | 853 | | 10.0 | 8.70 | mg/L | | | 05/22/24 13:45 | 1 |
| Total Nitrogen (EPA Total Nitrogen) | 5.90 | | 1.00 | 0.350 | mg/L | | | 05/23/24 19:47 | 1 |

Client Sample ID: MW-4 (S)

Lab Sample ID: 570-184998-4

Date Collected: 05/16/24 12:35

Matrix: Water

Date Received: 05/17/24 18:27

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrite as N | ND | | 0.10 | 0.043 | mg/L | | | 05/18/24 01:17 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 97 | | 10 | 3.6 | mg/L | | | 05/18/24 05:28 | 10 |
| Nitrate as N | 14 | | 1.0 | 0.20 | mg/L | | | 05/18/24 05:28 | 10 |
| Sulfate | 180 | | 10 | 1.8 | mg/L | | | 05/18/24 05:28 | 10 |

Method: EPA NO2NO3 Calc - Nitrogen, Nitrate-Nitrite

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | 14 | | 0.10 | 0.020 | mg/L | | | 05/18/24 05:28 | 1 |

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|---------|------|---|----------------|----------------|---------|
| Boron | 0.228 | J | 0.500 | 0.00348 | mg/L | | 05/22/24 05:49 | 05/23/24 20:22 | 1 |
| Sodium | 71.3 | | 2.00 | 0.186 | mg/L | | 05/22/24 05:49 | 05/23/24 20:22 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Total Kjeldahl Nitrogen (EPA 351.2) | ND | | 0.200 | 0.112 | mg/L | | 05/22/24 15:27 | 05/23/24 19:47 | 1 |
| Total Dissolved Solids (SM 2540C) | 1160 | | 10.0 | 8.70 | mg/L | | | 05/22/24 13:45 | 1 |

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Client Sample Results

Client: GSI Water Solutions, Inc
Project/Site: LOCS D

Job ID: 570-184998-1

Client Sample ID: MW-4 (S)
Date Collected: 05/16/24 12:35
Date Received: 05/17/24 18:27

Lab Sample ID: 570-184998-4
Matrix: Water

General Chemistry (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Total Nitrogen (EPA Total Nitrogen) | 14.0 | | 1.00 | 0.350 | mg/L | | | 05/23/24 19:47 | 1 |

Client Sample ID: MW-5 (S)
Date Collected: 05/16/24 14:55
Date Received: 05/17/24 18:27

Lab Sample ID: 570-184998-5
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 43 | | 1.0 | 0.36 | mg/L | | | 05/18/24 01:35 | 1 |
| Nitrite as N | ND | | 0.10 | 0.043 | mg/L | | | 05/18/24 01:35 | 1 |
| Nitrate as N | 4.7 | | 0.10 | 0.020 | mg/L | | | 05/18/24 01:35 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Sulfate | 170 | | 10 | 1.8 | mg/L | | | 05/18/24 05:45 | 10 |

Method: EPA NO2NO3 Calc - Nitrogen, Nitrate-Nitrite

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | 4.7 | | 0.10 | 0.020 | mg/L | | | 05/18/24 01:35 | 1 |

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|---------|------|---|----------------|----------------|---------|
| Boron | 0.141 | J | 0.500 | 0.00348 | mg/L | | 05/22/24 05:49 | 05/23/24 20:29 | 1 |
| Sodium | 40.0 | | 2.00 | 0.186 | mg/L | | 05/22/24 05:49 | 05/23/24 20:29 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Total Kjeldahl Nitrogen (EPA 351.2) | ND | | 0.200 | 0.112 | mg/L | | 05/22/24 15:27 | 05/23/24 19:47 | 1 |
| Total Dissolved Solids (SM 2540C) | 745 | | 10.0 | 8.70 | mg/L | | | 05/22/24 13:45 | 1 |
| Total Nitrogen (EPA Total Nitrogen) | 4.70 | | 1.00 | 0.350 | mg/L | | | 05/23/24 19:47 | 1 |

Client Sample ID: MW-1 (D)
Date Collected: 05/16/24 10:30
Date Received: 05/17/24 18:27

Lab Sample ID: 570-184998-6
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrite as N | ND | | 0.10 | 0.043 | mg/L | | | 05/18/24 01:53 | 1 |
| Nitrate as N | 2.2 | | 0.10 | 0.020 | mg/L | | | 05/18/24 01:53 | 1 |
| Sulfate | 42 | | 1.0 | 0.18 | mg/L | | | 05/18/24 01:53 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Chloride | 110 | | 10 | 3.6 | mg/L | | | 05/18/24 06:03 | 10 |

Method: EPA NO2NO3 Calc - Nitrogen, Nitrate-Nitrite

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | 2.2 | | 0.10 | 0.020 | mg/L | | | 05/18/24 01:53 | 1 |

Client Sample Results

Client: GSI Water Solutions, Inc
Project/Site: LOCSD

Job ID: 570-184998-1

Client Sample ID: MW-1 (D)

Date Collected: 05/16/24 10:30

Date Received: 05/17/24 18:27

Lab Sample ID: 570-184998-6

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|---------|------|---|----------------|----------------|---------|
| Boron | 0.0651 | J | 0.500 | 0.00348 | mg/L | | 05/22/24 05:49 | 05/23/24 20:36 | 1 |
| Sodium | 58.1 | | 2.00 | 0.186 | mg/L | | 05/22/24 05:49 | 05/23/24 20:36 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Total Kjeldahl Nitrogen (EPA 351.2) | ND | | 0.200 | 0.112 | mg/L | | 05/22/24 15:27 | 05/23/24 20:29 | 1 |
| Total Dissolved Solids (SM 2540C) | 510 | | 10.0 | 8.70 | mg/L | | | 05/22/24 13:45 | 1 |
| Total Nitrogen (EPA Total Nitrogen) | 2.20 | | 1.00 | 0.350 | mg/L | | | 05/23/24 20:29 | 1 |

Client Sample ID: MW-2 (D)

Date Collected: 05/16/24 11:50

Date Received: 05/17/24 18:27

Lab Sample ID: 570-184998-7

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrite as N | ND | | 0.10 | 0.043 | mg/L | | | 05/18/24 02:11 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 150 | | 10 | 3.6 | mg/L | | | 05/18/24 06:21 | 10 |
| Nitrate as N | 9.9 | | 1.0 | 0.20 | mg/L | | | 05/18/24 06:21 | 10 |
| Sulfate | 94 | | 10 | 1.8 | mg/L | | | 05/18/24 06:21 | 10 |

Method: EPA NO2NO3 Calc - Nitrogen, Nitrate-Nitrite

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | 9.9 | | 0.10 | 0.020 | mg/L | | | 05/18/24 06:21 | 1 |

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|---------|------|---|----------------|----------------|---------|
| Boron | 0.139 | J | 0.500 | 0.00348 | mg/L | | 05/22/24 05:49 | 05/23/24 20:39 | 1 |
| Sodium | 72.6 | | 2.00 | 0.186 | mg/L | | 05/22/24 05:49 | 05/23/24 20:39 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Total Kjeldahl Nitrogen (EPA 351.2) | 0.215 | | 0.200 | 0.112 | mg/L | | 05/22/24 15:27 | 05/23/24 20:29 | 1 |
| Total Dissolved Solids (SM 2540C) | 1030 | | 10.0 | 8.70 | mg/L | | | 05/22/24 13:45 | 1 |
| Total Nitrogen (EPA Total Nitrogen) | 10.1 | | 1.00 | 0.350 | mg/L | | | 05/23/24 20:29 | 1 |

Client Sample ID: MW-3 (D)

Date Collected: 05/16/24 14:25

Date Received: 05/17/24 18:27

Lab Sample ID: 570-184998-8

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 48 | | 1.0 | 0.36 | mg/L | | | 05/18/24 02:29 | 1 |
| Nitrite as N | ND | | 0.10 | 0.043 | mg/L | | | 05/18/24 02:29 | 1 |
| Nitrate as N | 6.1 | | 0.10 | 0.020 | mg/L | | | 05/18/24 02:29 | 1 |

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Client Sample Results

Client: GSI Water Solutions, Inc
Project/Site: LOCSD

Job ID: 570-184998-1

Client Sample ID: MW-3 (D)

Lab Sample ID: 570-184998-8

Date Collected: 05/16/24 14:25

Matrix: Water

Date Received: 05/17/24 18:27

Method: EPA 300.0 - Anions, Ion Chromatography - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Sulfate | 190 | | 10 | 1.8 | mg/L | | | 05/18/24 06:39 | 10 |

Method: EPA NO2NO3 Calc - Nitrogen, Nitrate-Nitrite

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | 6.1 | | 0.10 | 0.020 | mg/L | | | 05/18/24 02:29 | 1 |

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|---------|------|---|----------------|----------------|---------|
| Boron | 0.140 | J | 0.500 | 0.00348 | mg/L | | 05/22/24 05:49 | 05/23/24 20:41 | 1 |
| Sodium | 43.2 | | 2.00 | 0.186 | mg/L | | 05/22/24 05:49 | 05/23/24 20:41 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Total Kjeldahl Nitrogen (EPA 351.2) | ND | | 0.200 | 0.112 | mg/L | | 05/22/24 15:27 | 05/23/24 20:29 | 1 |
| Total Dissolved Solids (SM 2540C) | 844 | | 10.0 | 8.70 | mg/L | | | 05/22/24 13:45 | 1 |
| Total Nitrogen (EPA Total Nitrogen) | 6.10 | | 1.00 | 0.350 | mg/L | | | 05/23/24 20:29 | 1 |

Client Sample ID: MW-4 (D)

Lab Sample ID: 570-184998-9

Date Collected: 05/16/24 13:10

Matrix: Water

Date Received: 05/17/24 18:27

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrite as N | ND | | 0.10 | 0.043 | mg/L | | | 05/18/24 02:47 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloride | 100 | | 10 | 3.6 | mg/L | | | 05/18/24 06:57 | 10 |
| Nitrate as N | 14 | | 1.0 | 0.20 | mg/L | | | 05/18/24 06:57 | 10 |
| Sulfate | 180 | | 10 | 1.8 | mg/L | | | 05/18/24 06:57 | 10 |

Method: EPA NO2NO3 Calc - Nitrogen, Nitrate-Nitrite

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | 14 | | 0.10 | 0.020 | mg/L | | | 05/18/24 06:57 | 1 |

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|---------|------|---|----------------|----------------|---------|
| Boron | 0.225 | J | 0.500 | 0.00348 | mg/L | | 05/22/24 05:49 | 05/23/24 20:44 | 1 |
| Sodium | 71.8 | | 2.00 | 0.186 | mg/L | | 05/22/24 05:49 | 05/23/24 20:44 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Total Kjeldahl Nitrogen (EPA 351.2) | ND | | 0.200 | 0.112 | mg/L | | 05/22/24 15:27 | 05/23/24 20:29 | 1 |
| Total Dissolved Solids (SM 2540C) | 1160 | | 10.0 | 8.70 | mg/L | | | 05/22/24 13:45 | 1 |
| Total Nitrogen (EPA Total Nitrogen) | 14.0 | | 1.00 | 0.350 | mg/L | | | 05/23/24 20:29 | 1 |

Client Sample Results

Client: GSI Water Solutions, Inc
Project/Site: LOCSD

Job ID: 570-184998-1

Client Sample ID: MW-5 (D)

Lab Sample ID: 570-184998-10

Date Collected: 05/16/24 15:25

Matrix: Water

Date Received: 05/17/24 18:27

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Chloride | 43 | | 1.0 | 0.36 | mg/L | | | 05/18/24 03:04 | 1 |
| Nitrite as N | ND | | 0.10 | 0.043 | mg/L | | | 05/18/24 03:04 | 1 |
| Nitrate as N | 4.7 | | 0.10 | 0.020 | mg/L | | | 05/18/24 03:04 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography - DL

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Sulfate | 170 | | 10 | 1.8 | mg/L | | | 05/18/24 07:15 | 10 |

Method: EPA NO2NO3 Calc - Nitrogen, Nitrate-Nitrite

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | 4.7 | | 0.10 | 0.020 | mg/L | | | 05/18/24 03:04 | 1 |

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|---------|------|---|----------------|----------------|---------|
| Boron | 0.139 | J | 0.500 | 0.00348 | mg/L | | 05/22/24 05:49 | 05/23/24 20:46 | 1 |
| Sodium | 40.5 | | 2.00 | 0.186 | mg/L | | 05/22/24 05:49 | 05/23/24 20:46 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Total Kjeldahl Nitrogen (EPA 351.2) | ND | | 0.200 | 0.112 | mg/L | | 05/22/24 15:27 | 05/23/24 20:29 | 1 |
| Total Dissolved Solids (SM 2540C) | 746 | | 10.0 | 8.70 | mg/L | | | 05/22/24 13:45 | 1 |
| Total Nitrogen (EPA Total Nitrogen) | 4.70 | | 1.00 | 0.350 | mg/L | | | 05/23/24 20:29 | 1 |

QC Sample Results

Client: GSI Water Solutions, Inc
Project/Site: LOCS D

Job ID: 570-184998-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 570-441906/5
Matrix: Water
Analysis Batch: 441906

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| Nitrite as N | ND | | 0.10 | 0.043 | mg/L | | | 05/17/24 19:08 | 1 |
| Nitrate as N | ND | | 0.10 | 0.020 | mg/L | | | 05/17/24 19:08 | 1 |

Lab Sample ID: LCS 570-441906/6
Matrix: Water
Analysis Batch: 441906

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------|-------------|------------|---------------|------|---|------|-------------|
| Nitrite as N | 2.50 | 2.433 | | mg/L | | 97 | 90 - 110 |
| Nitrate as N | 5.00 | 4.924 | | mg/L | | 98 | 90 - 110 |

Lab Sample ID: LCSD 570-441906/7
Matrix: Water
Analysis Batch: 441906

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Nitrite as N | 2.50 | 2.414 | | mg/L | | 97 | 90 - 110 | 1 | 15 |
| Nitrate as N | 5.00 | 4.883 | | mg/L | | 98 | 90 - 110 | 1 | 15 |

Lab Sample ID: 570-184998-1 MS
Matrix: Water
Analysis Batch: 441906

Client Sample ID: MW-1 (S)
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Nitrite as N | ND | | 2.50 | 2.555 | | mg/L | | 102 | 80 - 120 |
| Nitrate as N | 2.1 | | 5.00 | 7.289 | | mg/L | | 104 | 80 - 120 |

Lab Sample ID: 570-184998-1 MSD
Matrix: Water
Analysis Batch: 441906

Client Sample ID: MW-1 (S)
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Nitrite as N | ND | | 2.50 | 2.442 | | mg/L | | 98 | 80 - 120 | 4 | 20 |
| Nitrate as N | 2.1 | | 5.00 | 7.319 | | mg/L | | 104 | 80 - 120 | 0 | 20 |

Lab Sample ID: MB 570-441907/5
Matrix: Water
Analysis Batch: 441907

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Chloride | ND | | 1.0 | 0.36 | mg/L | | | 05/17/24 19:08 | 1 |
| Sulfate | ND | | 1.0 | 0.18 | mg/L | | | 05/17/24 19:08 | 1 |

Lab Sample ID: LCS 570-441907/6
Matrix: Water
Analysis Batch: 441907

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Chloride | 50.0 | 49.86 | | mg/L | | 100 | 90 - 110 |
| Sulfate | 50.0 | 49.27 | | mg/L | | 99 | 90 - 110 |

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QC Sample Results

Client: GSI Water Solutions, Inc
Project/Site: LOCS D

Job ID: 570-184998-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 570-441907/7
Matrix: Water
Analysis Batch: 441907

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Chloride | 50.0 | 49.81 | | mg/L | | 100 | 90 - 110 | 0 | 15 |
| Sulfate | 50.0 | 49.27 | | mg/L | | 99 | 90 - 110 | 0 | 15 |

Lab Sample ID: 570-184998-1 MS
Matrix: Water
Analysis Batch: 441907

Client Sample ID: MW-1 (S)
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Sulfate | 48 | | 50.0 | 105.4 | E | mg/L | | 115 | 80 - 120 |

Lab Sample ID: 570-184998-1 MSD
Matrix: Water
Analysis Batch: 441907

Client Sample ID: MW-1 (S)
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Sulfate | 48 | | 50.0 | 105.8 | E | mg/L | | 115 | 80 - 120 | 0 | 20 |

Method: 300.0 - Anions, Ion Chromatography - DL

Lab Sample ID: 570-184998-1 MS
Matrix: Water
Analysis Batch: 441907

Client Sample ID: MW-1 (S)
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Chloride - DL | 110 | | 50.0 | 149.6 | | mg/L | | 82 | 80 - 120 |

Lab Sample ID: 570-184998-1 MSD
Matrix: Water
Analysis Batch: 441907

Client Sample ID: MW-1 (S)
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Chloride - DL | 110 | | 50.0 | 149.0 | | mg/L | | 81 | 80 - 120 | 0 | 20 |

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 570-443051/1-A
Matrix: Water
Analysis Batch: 443909

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 443051

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-------|---------|------|---|----------------|----------------|---------|
| Boron | ND | | 0.500 | 0.00348 | mg/L | | 05/22/24 05:49 | 05/23/24 19:45 | 1 |
| Sodium | ND | | 2.00 | 0.186 | mg/L | | 05/22/24 05:49 | 05/23/24 19:45 | 1 |

Lab Sample ID: LCS 570-443051/2-A
Matrix: Water
Analysis Batch: 443909

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 443051

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Boron | 0.500 | 0.5108 | | mg/L | | 102 | 85 - 115 |
| Sodium | 5.00 | 5.198 | | mg/L | | 104 | 85 - 115 |

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QC Sample Results

Client: GSI Water Solutions, Inc
Project/Site: LOCS D

Job ID: 570-184998-1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCSD 570-443051/3-A
Matrix: Water
Analysis Batch: 443909

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 443051

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Boron | 0.500 | 0.5029 | | mg/L | | 101 | 85 - 115 | 2 | 20 |
| Sodium | 5.00 | 5.211 | | mg/L | | 104 | 85 - 115 | 0 | 20 |

Lab Sample ID: 570-184998-5 MS
Matrix: Water
Analysis Batch: 443909

Client Sample ID: MW-5 (S)
Prep Type: Total Recoverable
Prep Batch: 443051

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Boron | 0.141 | J | 0.500 | 0.6571 | | mg/L | | 103 | 80 - 120 |
| Sodium | 40.0 | | 5.00 | 44.74 | 4 | mg/L | | 94 | 80 - 120 |

Lab Sample ID: 570-184998-5 MSD
Matrix: Water
Analysis Batch: 443909

Client Sample ID: MW-5 (S)
Prep Type: Total Recoverable
Prep Batch: 443051

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Boron | 0.141 | J | 0.500 | 0.6722 | | mg/L | | 106 | 80 - 120 | 2 | 20 |
| Sodium | 40.0 | | 5.00 | 45.40 | 4 | mg/L | | 107 | 80 - 120 | 1 | 20 |

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 570-443349/3-A
Matrix: Water
Analysis Batch: 443878

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 443349

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|-----------|--------------|-------|-------|------|---|----------------|----------------|---------|
| Total Kjeldahl Nitrogen | ND | | 0.200 | 0.112 | mg/L | | 05/22/24 15:27 | 05/23/24 19:22 | 1 |

Lab Sample ID: LCS 570-443349/4-A
Matrix: Water
Analysis Batch: 443878

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 443349

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------|-------------|------------|---------------|------|---|------|-------------|
| Total Kjeldahl Nitrogen | 5.00 | 5.282 | | mg/L | | 106 | 90 - 110 |

Lab Sample ID: LCSD 570-443349/5-A
Matrix: Water
Analysis Batch: 443878

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 443349

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Total Kjeldahl Nitrogen | 5.00 | 5.345 | | mg/L | | 107 | 90 - 110 | 1 | 20 |

Lab Sample ID: 570-184998-2 MS
Matrix: Water
Analysis Batch: 443878

Client Sample ID: MW-2 (S)
Prep Type: Total/NA
Prep Batch: 443349

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Total Kjeldahl Nitrogen | 0.287 | F1 | 5.00 | 4.819 | | mg/L | | 91 | 90 - 110 |

QC Sample Results

Client: GSI Water Solutions, Inc
Project/Site: LOCSD

Job ID: 570-184998-1

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: 570-184998-2 MSD
Matrix: Water
Analysis Batch: 443878

Client Sample ID: MW-2 (S)
Prep Type: Total/NA
Prep Batch: 443349

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec | RPD | RPD |
|-------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | Limits | RPD | Limit |
| Total Kjeldahl Nitrogen | 0.287 | F1 | 5.00 | 4.321 | F1 | mg/L | | 81 | 90 - 110 | 11 | 20 |

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 570-443291/1
Matrix: Water
Analysis Batch: 443291

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analized | Dil Fac |
|------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| | Result | Qualifier | | Result | | | | Time | |
| Total Dissolved Solids | ND | | 10.0 | 8.70 | mg/L | | | 05/22/24 13:45 | 1 |

Lab Sample ID: LCS 570-443291/2
Matrix: Water
Analysis Batch: 443291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike | LCS | LCS | Unit | D | %Rec | %Rec | RPD |
|------------------------|-------|--------|-----------|------|---|------|----------|-------|
| | | Result | Qualifier | | | | Limits | Limit |
| Total Dissolved Solids | 1000 | 1002 | | mg/L | | 100 | 84 - 108 | |

Lab Sample ID: LCSD 570-443291/3
Matrix: Water
Analysis Batch: 443291

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

| Analyte | Spike | LCSD | LCSD | Unit | D | %Rec | %Rec | RPD | RPD |
|------------------------|-------|--------|-----------|------|---|------|----------|-------|-----|
| | | Result | Qualifier | | | | Limits | Limit | |
| Total Dissolved Solids | 1000 | 1002 | | mg/L | | 100 | 84 - 108 | 0 | 10 |

Lab Sample ID: 570-184998-2 DU
Matrix: Water
Analysis Batch: 443291

Client Sample ID: MW-2 (S)
Prep Type: Total/NA

| Analyte | Sample | Sample | DU | DU | Unit | D | RPD | RPD |
|------------------------|--------|-----------|--------|-----------|------|---|-----|-------|
| | Result | Qualifier | Result | Qualifier | | | | Limit |
| Total Dissolved Solids | 948 | | 940.0 | | mg/L | | 0.8 | 10 |

QC Association Summary

Client: GSI Water Solutions, Inc
Project/Site: LOCSD

Job ID: 570-184998-1

HPLC/IC

Analysis Batch: 441906

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 570-184998-1 | MW-1 (S) | Total/NA | Water | 300.0 | |
| 570-184998-2 | MW-2 (S) | Total/NA | Water | 300.0 | |
| 570-184998-2 - DL | MW-2 (S) | Total/NA | Water | 300.0 | |
| 570-184998-3 | MW-3 (S) | Total/NA | Water | 300.0 | |
| 570-184998-4 | MW-4 (S) | Total/NA | Water | 300.0 | |
| 570-184998-4 - DL | MW-4 (S) | Total/NA | Water | 300.0 | |
| 570-184998-5 | MW-5 (S) | Total/NA | Water | 300.0 | |
| 570-184998-6 | MW-1 (D) | Total/NA | Water | 300.0 | |
| 570-184998-7 | MW-2 (D) | Total/NA | Water | 300.0 | |
| 570-184998-7 - DL | MW-2 (D) | Total/NA | Water | 300.0 | |
| 570-184998-8 | MW-3 (D) | Total/NA | Water | 300.0 | |
| 570-184998-9 | MW-4 (D) | Total/NA | Water | 300.0 | |
| 570-184998-9 - DL | MW-4 (D) | Total/NA | Water | 300.0 | |
| 570-184998-10 | MW-5 (D) | Total/NA | Water | 300.0 | |
| MB 570-441906/5 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 570-441906/6 | Lab Control Sample | Total/NA | Water | 300.0 | |
| LCSD 570-441906/7 | Lab Control Sample Dup | Total/NA | Water | 300.0 | |
| 570-184998-1 MS | MW-1 (S) | Total/NA | Water | 300.0 | |
| 570-184998-1 MSD | MW-1 (S) | Total/NA | Water | 300.0 | |

Analysis Batch: 441907

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------------|------------------------|-----------|--------|--------|------------|
| 570-184998-1 | MW-1 (S) | Total/NA | Water | 300.0 | |
| 570-184998-1 - DL | MW-1 (S) | Total/NA | Water | 300.0 | |
| 570-184998-2 - DL | MW-2 (S) | Total/NA | Water | 300.0 | |
| 570-184998-3 | MW-3 (S) | Total/NA | Water | 300.0 | |
| 570-184998-3 - DL | MW-3 (S) | Total/NA | Water | 300.0 | |
| 570-184998-4 - DL | MW-4 (S) | Total/NA | Water | 300.0 | |
| 570-184998-5 | MW-5 (S) | Total/NA | Water | 300.0 | |
| 570-184998-5 - DL | MW-5 (S) | Total/NA | Water | 300.0 | |
| 570-184998-6 | MW-1 (D) | Total/NA | Water | 300.0 | |
| 570-184998-6 - DL | MW-1 (D) | Total/NA | Water | 300.0 | |
| 570-184998-7 - DL | MW-2 (D) | Total/NA | Water | 300.0 | |
| 570-184998-8 | MW-3 (D) | Total/NA | Water | 300.0 | |
| 570-184998-8 - DL | MW-3 (D) | Total/NA | Water | 300.0 | |
| 570-184998-9 - DL | MW-4 (D) | Total/NA | Water | 300.0 | |
| 570-184998-10 | MW-5 (D) | Total/NA | Water | 300.0 | |
| 570-184998-10 - DL | MW-5 (D) | Total/NA | Water | 300.0 | |
| MB 570-441907/5 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 570-441907/6 | Lab Control Sample | Total/NA | Water | 300.0 | |
| LCSD 570-441907/7 | Lab Control Sample Dup | Total/NA | Water | 300.0 | |
| 570-184998-1 MS | MW-1 (S) | Total/NA | Water | 300.0 | |
| 570-184998-1 MS - DL | MW-1 (S) | Total/NA | Water | 300.0 | |
| 570-184998-1 MSD | MW-1 (S) | Total/NA | Water | 300.0 | |
| 570-184998-1 MSD - DL | MW-1 (S) | Total/NA | Water | 300.0 | |

Analysis Batch: 443635

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 570-184998-1 | MW-1 (S) | Total/NA | Water | NO2NO3 Calc | |
| 570-184998-2 | MW-2 (S) | Total/NA | Water | NO2NO3 Calc | |
| 570-184998-3 | MW-3 (S) | Total/NA | Water | NO2NO3 Calc | |

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QC Association Summary

Client: GSI Water Solutions, Inc
Project/Site: LOCS D

Job ID: 570-184998-1

HPLC/IC (Continued)

Analysis Batch: 443635 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 570-184998-4 | MW-4 (S) | Total/NA | Water | NO2NO3 Calc | |
| 570-184998-5 | MW-5 (S) | Total/NA | Water | NO2NO3 Calc | |
| 570-184998-6 | MW-1 (D) | Total/NA | Water | NO2NO3 Calc | |
| 570-184998-7 | MW-2 (D) | Total/NA | Water | NO2NO3 Calc | |
| 570-184998-8 | MW-3 (D) | Total/NA | Water | NO2NO3 Calc | |
| 570-184998-9 | MW-4 (D) | Total/NA | Water | NO2NO3 Calc | |
| 570-184998-10 | MW-5 (D) | Total/NA | Water | NO2NO3 Calc | |

Metals

Prep Batch: 443051

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-------------------|--------|--------|------------|
| 570-184998-1 | MW-1 (S) | Total Recoverable | Water | 200.7 | |
| 570-184998-2 | MW-2 (S) | Total Recoverable | Water | 200.7 | |
| 570-184998-3 | MW-3 (S) | Total Recoverable | Water | 200.7 | |
| 570-184998-4 | MW-4 (S) | Total Recoverable | Water | 200.7 | |
| 570-184998-5 | MW-5 (S) | Total Recoverable | Water | 200.7 | |
| 570-184998-6 | MW-1 (D) | Total Recoverable | Water | 200.7 | |
| 570-184998-7 | MW-2 (D) | Total Recoverable | Water | 200.7 | |
| 570-184998-8 | MW-3 (D) | Total Recoverable | Water | 200.7 | |
| 570-184998-9 | MW-4 (D) | Total Recoverable | Water | 200.7 | |
| 570-184998-10 | MW-5 (D) | Total Recoverable | Water | 200.7 | |
| MB 570-443051/1-A | Method Blank | Total Recoverable | Water | 200.7 | |
| LCS 570-443051/2-A | Lab Control Sample | Total Recoverable | Water | 200.7 | |
| LCSD 570-443051/3-A | Lab Control Sample Dup | Total Recoverable | Water | 200.7 | |
| 570-184998-5 MS | MW-5 (S) | Total Recoverable | Water | 200.7 | |
| 570-184998-5 MSD | MW-5 (S) | Total Recoverable | Water | 200.7 | |

Analysis Batch: 443909

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-------------------|--------|---------------|------------|
| 570-184998-1 | MW-1 (S) | Total Recoverable | Water | 200.7 Rev 4.4 | 443051 |
| 570-184998-2 | MW-2 (S) | Total Recoverable | Water | 200.7 Rev 4.4 | 443051 |
| 570-184998-3 | MW-3 (S) | Total Recoverable | Water | 200.7 Rev 4.4 | 443051 |
| 570-184998-4 | MW-4 (S) | Total Recoverable | Water | 200.7 Rev 4.4 | 443051 |
| 570-184998-5 | MW-5 (S) | Total Recoverable | Water | 200.7 Rev 4.4 | 443051 |
| 570-184998-6 | MW-1 (D) | Total Recoverable | Water | 200.7 Rev 4.4 | 443051 |
| 570-184998-7 | MW-2 (D) | Total Recoverable | Water | 200.7 Rev 4.4 | 443051 |
| 570-184998-8 | MW-3 (D) | Total Recoverable | Water | 200.7 Rev 4.4 | 443051 |
| 570-184998-9 | MW-4 (D) | Total Recoverable | Water | 200.7 Rev 4.4 | 443051 |
| 570-184998-10 | MW-5 (D) | Total Recoverable | Water | 200.7 Rev 4.4 | 443051 |
| MB 570-443051/1-A | Method Blank | Total Recoverable | Water | 200.7 Rev 4.4 | 443051 |
| LCS 570-443051/2-A | Lab Control Sample | Total Recoverable | Water | 200.7 Rev 4.4 | 443051 |
| LCSD 570-443051/3-A | Lab Control Sample Dup | Total Recoverable | Water | 200.7 Rev 4.4 | 443051 |
| 570-184998-5 MS | MW-5 (S) | Total Recoverable | Water | 200.7 Rev 4.4 | 443051 |
| 570-184998-5 MSD | MW-5 (S) | Total Recoverable | Water | 200.7 Rev 4.4 | 443051 |

General Chemistry

Analysis Batch: 443291

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 570-184998-1 | MW-1 (S) | Total/NA | Water | SM 2540C | |
| 570-184998-2 | MW-2 (S) | Total/NA | Water | SM 2540C | |

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QC Association Summary

Client: GSI Water Solutions, Inc
Project/Site: LOCS D

Job ID: 570-184998-1

General Chemistry (Continued)

Analysis Batch: 443291 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|----------|------------|
| 570-184998-3 | MW-3 (S) | Total/NA | Water | SM 2540C | |
| 570-184998-4 | MW-4 (S) | Total/NA | Water | SM 2540C | |
| 570-184998-5 | MW-5 (S) | Total/NA | Water | SM 2540C | |
| 570-184998-6 | MW-1 (D) | Total/NA | Water | SM 2540C | |
| 570-184998-7 | MW-2 (D) | Total/NA | Water | SM 2540C | |
| 570-184998-8 | MW-3 (D) | Total/NA | Water | SM 2540C | |
| 570-184998-9 | MW-4 (D) | Total/NA | Water | SM 2540C | |
| 570-184998-10 | MW-5 (D) | Total/NA | Water | SM 2540C | |
| MB 570-443291/1 | Method Blank | Total/NA | Water | SM 2540C | |
| LCS 570-443291/2 | Lab Control Sample | Total/NA | Water | SM 2540C | |
| LCSD 570-443291/3 | Lab Control Sample Dup | Total/NA | Water | SM 2540C | |
| 570-184998-2 DU | MW-2 (S) | Total/NA | Water | SM 2540C | |

Prep Batch: 443349

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 570-184998-2 | MW-2 (S) | Total/NA | Water | 351.2 | |
| 570-184998-3 | MW-3 (S) | Total/NA | Water | 351.2 | |
| 570-184998-4 | MW-4 (S) | Total/NA | Water | 351.2 | |
| 570-184998-5 | MW-5 (S) | Total/NA | Water | 351.2 | |
| 570-184998-6 | MW-1 (D) | Total/NA | Water | 351.2 | |
| 570-184998-7 | MW-2 (D) | Total/NA | Water | 351.2 | |
| 570-184998-8 | MW-3 (D) | Total/NA | Water | 351.2 | |
| 570-184998-9 | MW-4 (D) | Total/NA | Water | 351.2 | |
| 570-184998-10 | MW-5 (D) | Total/NA | Water | 351.2 | |
| MB 570-443349/3-A | Method Blank | Total/NA | Water | 351.2 | |
| LCS 570-443349/4-A | Lab Control Sample | Total/NA | Water | 351.2 | |
| LCSD 570-443349/5-A | Lab Control Sample Dup | Total/NA | Water | 351.2 | |
| 570-184998-2 MS | MW-2 (S) | Total/NA | Water | 351.2 | |
| 570-184998-2 MSD | MW-2 (S) | Total/NA | Water | 351.2 | |

Analysis Batch: 443878

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 570-184998-2 | MW-2 (S) | Total/NA | Water | 351.2 | 443349 |
| 570-184998-3 | MW-3 (S) | Total/NA | Water | 351.2 | 443349 |
| 570-184998-4 | MW-4 (S) | Total/NA | Water | 351.2 | 443349 |
| 570-184998-5 | MW-5 (S) | Total/NA | Water | 351.2 | 443349 |
| 570-184998-6 | MW-1 (D) | Total/NA | Water | 351.2 | 443349 |
| 570-184998-7 | MW-2 (D) | Total/NA | Water | 351.2 | 443349 |
| 570-184998-8 | MW-3 (D) | Total/NA | Water | 351.2 | 443349 |
| 570-184998-9 | MW-4 (D) | Total/NA | Water | 351.2 | 443349 |
| 570-184998-10 | MW-5 (D) | Total/NA | Water | 351.2 | 443349 |
| MB 570-443349/3-A | Method Blank | Total/NA | Water | 351.2 | 443349 |
| LCS 570-443349/4-A | Lab Control Sample | Total/NA | Water | 351.2 | 443349 |
| LCSD 570-443349/5-A | Lab Control Sample Dup | Total/NA | Water | 351.2 | 443349 |
| 570-184998-2 MS | MW-2 (S) | Total/NA | Water | 351.2 | 443349 |
| 570-184998-2 MSD | MW-2 (S) | Total/NA | Water | 351.2 | 443349 |

Analysis Batch: 445359

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------------|------------|
| 570-184998-2 | MW-2 (S) | Total/NA | Water | Total Nitrogen | |
| 570-184998-3 | MW-3 (S) | Total/NA | Water | Total Nitrogen | |

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QC Association Summary

Client: GSI Water Solutions, Inc
Project/Site: LOCSD

Job ID: 570-184998-1

General Chemistry (Continued)

Analysis Batch: 445359 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------------|------------|
| 570-184998-4 | MW-4 (S) | Total/NA | Water | Total Nitrogen | |
| 570-184998-5 | MW-5 (S) | Total/NA | Water | Total Nitrogen | |
| 570-184998-7 | MW-2 (D) | Total/NA | Water | Total Nitrogen | |
| 570-184998-8 | MW-3 (D) | Total/NA | Water | Total Nitrogen | |
| 570-184998-9 | MW-4 (D) | Total/NA | Water | Total Nitrogen | |
| 570-184998-10 | MW-5 (D) | Total/NA | Water | Total Nitrogen | |

Analysis Batch: 446286

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------------|------------|
| 570-184998-6 | MW-1 (D) | Total/NA | Water | Total Nitrogen | |



Lab Chronicle

Client: GSI Water Solutions, Inc
Project/Site: LOCS D

Job ID: 570-184998-1

Client Sample ID: MW-1 (S)

Lab Sample ID: 570-184998-1

Date Collected: 05/16/24 09:40

Matrix: Water

Date Received: 05/17/24 18:27

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-----------|
| Total/NA | Analysis | 300.0 | | 1 | 4 mL | 4 mL | 441906 | 05/17/24 23:48 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |
| Total/NA | Analysis | 300.0 | | 1 | 4 mL | 4 mL | 441907 | 05/17/24 23:48 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |
| Total/NA | Analysis | 300.0 | DL | 10 | 4 mL | 4 mL | 441907 | 05/18/24 03:58 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |
| Total/NA | Analysis | NO2NO3 Calc | | 1 | | | 443635 | 05/17/24 23:48 | WH6J | EET CAL 4 |
| | Instrument ID: NOEQUIP | | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 443051 | 05/22/24 05:49 | JP8N | EET CAL 4 |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | | | 443909 | 05/23/24 20:15 | P1R | EET CAL 4 |
| | Instrument ID: ICP10 | | | | | | | | | |
| Total/NA | Analysis | SM 2540C | | 1 | 100 mL | 1000 mL | 443291 | 05/22/24 13:45 | PK4M | EET CAL 4 |
| | Instrument ID: BAL100 | | | | | | | | | |

Client Sample ID: MW-2 (S)

Lab Sample ID: 570-184998-2

Date Collected: 05/16/24 11:20

Matrix: Water

Date Received: 05/17/24 18:27

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-----------|
| Total/NA | Analysis | 300.0 | | 1 | 4 mL | 4 mL | 441906 | 05/18/24 00:42 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |
| Total/NA | Analysis | 300.0 | DL | 10 | 4 mL | 4 mL | 441906 | 05/18/24 04:52 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |
| Total/NA | Analysis | 300.0 | DL | 10 | 4 mL | 4 mL | 441907 | 05/18/24 04:52 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |
| Total/NA | Analysis | NO2NO3 Calc | | 1 | | | 443635 | 05/18/24 04:52 | WH6J | EET CAL 4 |
| | Instrument ID: NOEQUIP | | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 443051 | 05/22/24 05:49 | JP8N | EET CAL 4 |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | | | 443909 | 05/23/24 20:17 | P1R | EET CAL 4 |
| | Instrument ID: ICP10 | | | | | | | | | |
| Total/NA | Prep | 351.2 | | | 25 mL | 25 mL | 443349 | 05/22/24 15:27 | ZL7L | EET CAL 4 |
| Total/NA | Analysis | 351.2 | | 1 | | | 443878 | 05/23/24 19:47 | ZL7L | EET CAL 4 |
| | Instrument ID: ACA3 | | | | | | | | | |
| Total/NA | Analysis | SM 2540C | | 1 | 100 mL | 1000 mL | 443291 | 05/22/24 13:45 | PK4M | EET CAL 4 |
| | Instrument ID: BAL100 | | | | | | | | | |
| Total/NA | Analysis | Total Nitrogen | | 1 | | | 445359 | 05/23/24 19:47 | UAPD | EET CAL 4 |
| | Instrument ID: ACA3 | | | | | | | | | |

Client Sample ID: MW-3 (S)

Lab Sample ID: 570-184998-3

Date Collected: 05/16/24 13:45

Matrix: Water

Date Received: 05/17/24 18:27

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|---------------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-----------|
| Total/NA | Analysis | 300.0 | | 1 | 4 mL | 4 mL | 441906 | 05/18/24 00:59 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |

Eurofins Calscience

Lab Chronicle

Client: GSI Water Solutions, Inc
Project/Site: LOCS D

Job ID: 570-184998-1

Client Sample ID: MW-3 (S)
Date Collected: 05/16/24 13:45
Date Received: 05/17/24 18:27

Lab Sample ID: 570-184998-3
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-----------|
| Total/NA | Analysis | 300.0 | | 1 | 4 mL | 4 mL | 441907 | 05/18/24 00:59 | UIP1 | EET CAL 4 |
| Total/NA | Analysis | 300.0 | DL | 10 | 4 mL | 4 mL | 441907 | 05/18/24 05:10 | UIP1 | EET CAL 4 |
| | | Instrument ID: IC15 | | | | | | | | |
| Total/NA | Analysis | NO2NO3 Calc | | 1 | | | 443635 | 05/18/24 00:59 | WH6J | EET CAL 4 |
| | | Instrument ID: NOEQUIP | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 443051 | 05/22/24 05:49 | JP8N | EET CAL 4 |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | | | 443909 | 05/23/24 20:19 | P1R | EET CAL 4 |
| | | Instrument ID: ICP10 | | | | | | | | |
| Total/NA | Prep | 351.2 | | | 25 mL | 25 mL | 443349 | 05/22/24 15:27 | ZL7L | EET CAL 4 |
| Total/NA | Analysis | 351.2 | | 1 | | | 443878 | 05/23/24 19:47 | ZL7L | EET CAL 4 |
| | | Instrument ID: ACA3 | | | | | | | | |
| Total/NA | Analysis | SM 2540C | | 1 | 100 mL | 1000 mL | 443291 | 05/22/24 13:45 | PK4M | EET CAL 4 |
| | | Instrument ID: BAL100 | | | | | | | | |
| Total/NA | Analysis | Total Nitrogen | | 1 | | | 445359 | 05/23/24 19:47 | UAPD | EET CAL 4 |
| | | Instrument ID: ACA3 | | | | | | | | |

Client Sample ID: MW-4 (S)
Date Collected: 05/16/24 12:35
Date Received: 05/17/24 18:27

Lab Sample ID: 570-184998-4
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-----------|
| Total/NA | Analysis | 300.0 | | 1 | 4 mL | 4 mL | 441906 | 05/18/24 01:17 | UIP1 | EET CAL 4 |
| | | Instrument ID: IC15 | | | | | | | | |
| Total/NA | Analysis | 300.0 | DL | 10 | 4 mL | 4 mL | 441906 | 05/18/24 05:28 | UIP1 | EET CAL 4 |
| | | Instrument ID: IC15 | | | | | | | | |
| Total/NA | Analysis | 300.0 | DL | 10 | 4 mL | 4 mL | 441907 | 05/18/24 05:28 | UIP1 | EET CAL 4 |
| | | Instrument ID: IC15 | | | | | | | | |
| Total/NA | Analysis | NO2NO3 Calc | | 1 | | | 443635 | 05/18/24 05:28 | WH6J | EET CAL 4 |
| | | Instrument ID: NOEQUIP | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 443051 | 05/22/24 05:49 | JP8N | EET CAL 4 |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | | | 443909 | 05/23/24 20:22 | P1R | EET CAL 4 |
| | | Instrument ID: ICP10 | | | | | | | | |
| Total/NA | Prep | 351.2 | | | 25 mL | 25 mL | 443349 | 05/22/24 15:27 | ZL7L | EET CAL 4 |
| Total/NA | Analysis | 351.2 | | 1 | | | 443878 | 05/23/24 19:47 | ZL7L | EET CAL 4 |
| | | Instrument ID: ACA3 | | | | | | | | |
| Total/NA | Analysis | SM 2540C | | 1 | 100 mL | 1000 mL | 443291 | 05/22/24 13:45 | PK4M | EET CAL 4 |
| | | Instrument ID: BAL100 | | | | | | | | |
| Total/NA | Analysis | Total Nitrogen | | 1 | | | 445359 | 05/23/24 19:47 | UAPD | EET CAL 4 |
| | | Instrument ID: ACA3 | | | | | | | | |

Lab Chronicle

Client: GSI Water Solutions, Inc
Project/Site: LOCS D

Job ID: 570-184998-1

Client Sample ID: MW-5 (S)
Date Collected: 05/16/24 14:55
Date Received: 05/17/24 18:27

Lab Sample ID: 570-184998-5
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-----------|
| Total/NA | Analysis | 300.0 | | 1 | 4 mL | 4 mL | 441906 | 05/18/24 01:35 | UIP1 | EET CAL 4 |
| | | Instrument ID: IC15 | | | | | | | | |
| Total/NA | Analysis | 300.0 | | 1 | 4 mL | 4 mL | 441907 | 05/18/24 01:35 | UIP1 | EET CAL 4 |
| | | Instrument ID: IC15 | | | | | | | | |
| Total/NA | Analysis | 300.0 | DL | 10 | 4 mL | 4 mL | 441907 | 05/18/24 05:45 | UIP1 | EET CAL 4 |
| | | Instrument ID: IC15 | | | | | | | | |
| Total/NA | Analysis | NO2NO3 Calc | | 1 | | | 443635 | 05/18/24 01:35 | WH6J | EET CAL 4 |
| | | Instrument ID: NOEQUIP | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 443051 | 05/22/24 05:49 | JP8N | EET CAL 4 |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | | | 443909 | 05/23/24 20:29 | P1R | EET CAL 4 |
| | | Instrument ID: ICP10 | | | | | | | | |
| Total/NA | Prep | 351.2 | | | 25 mL | 25 mL | 443349 | 05/22/24 15:27 | ZL7L | EET CAL 4 |
| Total/NA | Analysis | 351.2 | | 1 | | | 443878 | 05/23/24 19:47 | ZL7L | EET CAL 4 |
| | | Instrument ID: ACA3 | | | | | | | | |
| Total/NA | Analysis | SM 2540C | | 1 | 100 mL | 1000 mL | 443291 | 05/22/24 13:45 | PK4M | EET CAL 4 |
| | | Instrument ID: BAL100 | | | | | | | | |
| Total/NA | Analysis | Total Nitrogen | | 1 | | | 445359 | 05/23/24 19:47 | UAPD | EET CAL 4 |
| | | Instrument ID: ACA3 | | | | | | | | |

Client Sample ID: MW-1 (D)
Date Collected: 05/16/24 10:30
Date Received: 05/17/24 18:27

Lab Sample ID: 570-184998-6
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-----------|
| Total/NA | Analysis | 300.0 | | 1 | 4 mL | 4 mL | 441906 | 05/18/24 01:53 | UIP1 | EET CAL 4 |
| | | Instrument ID: IC15 | | | | | | | | |
| Total/NA | Analysis | 300.0 | | 1 | 4 mL | 4 mL | 441907 | 05/18/24 01:53 | UIP1 | EET CAL 4 |
| | | Instrument ID: IC15 | | | | | | | | |
| Total/NA | Analysis | 300.0 | DL | 10 | 4 mL | 4 mL | 441907 | 05/18/24 06:03 | UIP1 | EET CAL 4 |
| | | Instrument ID: IC15 | | | | | | | | |
| Total/NA | Analysis | NO2NO3 Calc | | 1 | | | 443635 | 05/18/24 01:53 | WH6J | EET CAL 4 |
| | | Instrument ID: NOEQUIP | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 443051 | 05/22/24 05:49 | JP8N | EET CAL 4 |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | | | 443909 | 05/23/24 20:36 | P1R | EET CAL 4 |
| | | Instrument ID: ICP10 | | | | | | | | |
| Total/NA | Prep | 351.2 | | | 25 mL | 25 mL | 443349 | 05/22/24 15:27 | ZL7L | EET CAL 4 |
| Total/NA | Analysis | 351.2 | | 1 | | | 443878 | 05/23/24 20:29 | ZL7L | EET CAL 4 |
| | | Instrument ID: ACA3 | | | | | | | | |
| Total/NA | Analysis | SM 2540C | | 1 | 100 mL | 1000 mL | 443291 | 05/22/24 13:45 | PK4M | EET CAL 4 |
| | | Instrument ID: BAL100 | | | | | | | | |
| Total/NA | Analysis | Total Nitrogen | | 1 | | | 446286 | 05/23/24 20:29 | UAPD | EET CAL 4 |
| | | Instrument ID: ACA3 | | | | | | | | |

Lab Chronicle

Client: GSI Water Solutions, Inc
Project/Site: LOCS D

Job ID: 570-184998-1

Client Sample ID: MW-2 (D)
Date Collected: 05/16/24 11:50
Date Received: 05/17/24 18:27

Lab Sample ID: 570-184998-7
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-----------|
| Total/NA | Analysis | 300.0 | | 1 | 4 mL | 4 mL | 441906 | 05/18/24 02:11 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |
| Total/NA | Analysis | 300.0 | DL | 10 | 4 mL | 4 mL | 441906 | 05/18/24 06:21 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |
| Total/NA | Analysis | 300.0 | DL | 10 | 4 mL | 4 mL | 441907 | 05/18/24 06:21 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |
| Total/NA | Analysis | NO2NO3 Calc | | 1 | | | 443635 | 05/18/24 06:21 | WH6J | EET CAL 4 |
| | Instrument ID: NOEQUIP | | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 443051 | 05/22/24 05:49 | JP8N | EET CAL 4 |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | | | 443909 | 05/23/24 20:39 | P1R | EET CAL 4 |
| | Instrument ID: ICP10 | | | | | | | | | |
| Total/NA | Prep | 351.2 | | | 25 mL | 25 mL | 443349 | 05/22/24 15:27 | ZL7L | EET CAL 4 |
| Total/NA | Analysis | 351.2 | | 1 | | | 443878 | 05/23/24 20:29 | ZL7L | EET CAL 4 |
| | Instrument ID: ACA3 | | | | | | | | | |
| Total/NA | Analysis | SM 2540C | | 1 | 100 mL | 1000 mL | 443291 | 05/22/24 13:45 | PK4M | EET CAL 4 |
| | Instrument ID: BAL100 | | | | | | | | | |
| Total/NA | Analysis | Total Nitrogen | | 1 | | | 445359 | 05/23/24 20:29 | UAPD | EET CAL 4 |
| | Instrument ID: ACA3 | | | | | | | | | |

Client Sample ID: MW-3 (D)
Date Collected: 05/16/24 14:25
Date Received: 05/17/24 18:27

Lab Sample ID: 570-184998-8
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-----------|
| Total/NA | Analysis | 300.0 | | 1 | 4 mL | 4 mL | 441906 | 05/18/24 02:29 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |
| Total/NA | Analysis | 300.0 | | 1 | 4 mL | 4 mL | 441907 | 05/18/24 02:29 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |
| Total/NA | Analysis | 300.0 | DL | 10 | 4 mL | 4 mL | 441907 | 05/18/24 06:39 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |
| Total/NA | Analysis | NO2NO3 Calc | | 1 | | | 443635 | 05/18/24 02:29 | WH6J | EET CAL 4 |
| | Instrument ID: NOEQUIP | | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 443051 | 05/22/24 05:49 | JP8N | EET CAL 4 |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | | | 443909 | 05/23/24 20:41 | P1R | EET CAL 4 |
| | Instrument ID: ICP10 | | | | | | | | | |
| Total/NA | Prep | 351.2 | | | 25 mL | 25 mL | 443349 | 05/22/24 15:27 | ZL7L | EET CAL 4 |
| Total/NA | Analysis | 351.2 | | 1 | | | 443878 | 05/23/24 20:29 | ZL7L | EET CAL 4 |
| | Instrument ID: ACA3 | | | | | | | | | |
| Total/NA | Analysis | SM 2540C | | 1 | 100 mL | 1000 mL | 443291 | 05/22/24 13:45 | PK4M | EET CAL 4 |
| | Instrument ID: BAL100 | | | | | | | | | |
| Total/NA | Analysis | Total Nitrogen | | 1 | | | 445359 | 05/23/24 20:29 | UAPD | EET CAL 4 |
| | Instrument ID: ACA3 | | | | | | | | | |

Lab Chronicle

Client: GSI Water Solutions, Inc
Project/Site: LOCS D

Job ID: 570-184998-1

Client Sample ID: MW-4 (D)
Date Collected: 05/16/24 13:10
Date Received: 05/17/24 18:27

Lab Sample ID: 570-184998-9
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-----------|
| Total/NA | Analysis | 300.0 | | 1 | 4 mL | 4 mL | 441906 | 05/18/24 02:47 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |
| Total/NA | Analysis | 300.0 | DL | 10 | 4 mL | 4 mL | 441906 | 05/18/24 06:57 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |
| Total/NA | Analysis | 300.0 | DL | 10 | 4 mL | 4 mL | 441907 | 05/18/24 06:57 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |
| Total/NA | Analysis | NO2NO3 Calc | | 1 | | | 443635 | 05/18/24 06:57 | WH6J | EET CAL 4 |
| | Instrument ID: NOEQUIP | | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 443051 | 05/22/24 05:49 | JP8N | EET CAL 4 |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | | | 443909 | 05/23/24 20:44 | P1R | EET CAL 4 |
| | Instrument ID: ICP10 | | | | | | | | | |
| Total/NA | Prep | 351.2 | | | 25 mL | 25 mL | 443349 | 05/22/24 15:27 | ZL7L | EET CAL 4 |
| Total/NA | Analysis | 351.2 | | 1 | | | 443878 | 05/23/24 20:29 | ZL7L | EET CAL 4 |
| | Instrument ID: ACA3 | | | | | | | | | |
| Total/NA | Analysis | SM 2540C | | 1 | 100 mL | 1000 mL | 443291 | 05/22/24 13:45 | PK4M | EET CAL 4 |
| | Instrument ID: BAL100 | | | | | | | | | |
| Total/NA | Analysis | Total Nitrogen | | 1 | | | 445359 | 05/23/24 20:29 | UAPD | EET CAL 4 |
| | Instrument ID: ACA3 | | | | | | | | | |

Client Sample ID: MW-5 (D)
Date Collected: 05/16/24 15:25
Date Received: 05/17/24 18:27

Lab Sample ID: 570-184998-10
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-----------|
| Total/NA | Analysis | 300.0 | | 1 | 4 mL | 4 mL | 441906 | 05/18/24 03:04 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |
| Total/NA | Analysis | 300.0 | | 1 | 4 mL | 4 mL | 441907 | 05/18/24 03:04 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |
| Total/NA | Analysis | 300.0 | DL | 10 | 4 mL | 4 mL | 441907 | 05/18/24 07:15 | UIP1 | EET CAL 4 |
| | Instrument ID: IC15 | | | | | | | | | |
| Total/NA | Analysis | NO2NO3 Calc | | 1 | | | 443635 | 05/18/24 03:04 | WH6J | EET CAL 4 |
| | Instrument ID: NOEQUIP | | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 443051 | 05/22/24 05:49 | JP8N | EET CAL 4 |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | | | 443909 | 05/23/24 20:46 | P1R | EET CAL 4 |
| | Instrument ID: ICP10 | | | | | | | | | |
| Total/NA | Prep | 351.2 | | | 25 mL | 25 mL | 443349 | 05/22/24 15:27 | ZL7L | EET CAL 4 |
| Total/NA | Analysis | 351.2 | | 1 | | | 443878 | 05/23/24 20:29 | ZL7L | EET CAL 4 |
| | Instrument ID: ACA3 | | | | | | | | | |
| Total/NA | Analysis | SM 2540C | | 1 | 100 mL | 1000 mL | 443291 | 05/22/24 13:45 | PK4M | EET CAL 4 |
| | Instrument ID: BAL100 | | | | | | | | | |
| Total/NA | Analysis | Total Nitrogen | | 1 | | | 445359 | 05/23/24 20:29 | UAPD | EET CAL 4 |
| | Instrument ID: ACA3 | | | | | | | | | |

Lab Chronicle

Client: GSI Water Solutions, Inc
Project/Site: LOCSD

Job ID: 570-184998-1

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494
Isotech = Isotech Laboratories, Inc, 1308 Parkland Ct, Champaign, IL 61821, TEL (217)398-3490

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Accreditation/Certification Summary

Client: GSI Water Solutions, Inc
Project/Site: LOCSD

Job ID: 570-184998-1

Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|------------|---------|-----------------------|-----------------|
| California | State | 3082 | 07-31-24 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|----------------|
| Total Nitrogen | | Water | Total Nitrogen |
| Oregon | NELAP | 4175 | 06-11-24 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|----------------|
| Total Nitrogen | | Water | Total Nitrogen |



Method Summary

Client: GSI Water Solutions, Inc
Project/Site: LOCSD

Job ID: 570-184998-1

| Method | Method Description | Protocol | Laboratory |
|----------------|--|----------|------------|
| 300.0 | Anions, Ion Chromatography | EPA | EET CAL 4 |
| NO2NO3 Calc | Nitrogen, Nitrate-Nitrite | EPA | EET CAL 4 |
| 200.7 Rev 4.4 | Metals (ICP) | EPA | EET CAL 4 |
| 351.2 | Nitrogen, Total Kjeldahl | EPA | EET CAL 4 |
| SM 2540C | Solids, Total Dissolved (TDS) | SM | EET CAL 4 |
| Total Nitrogen | Nitrogen, Total | EPA | EET CAL 4 |
| Subcontract | Nitrogen & Oxygen Isotopes--15N/14N & 18O/16O analysis of Diss NO3 | None | Isotech |
| 200.7 | Preparation, Total Recoverable Metals | EPA | EET CAL 4 |
| 351.2 | Nitrogen, Total Kjeldahl | EPA | EET CAL 4 |

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Isotech = Isotech Laboratories, Inc, 1308 Parkland Ct, Champaign, IL 61821, TEL (217)398-3490

Sample Summary

Client: GSI Water Solutions, Inc
Project/Site: LOCSD

Job ID: 570-184998-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 570-184998-1 | MW-1 (S) | Water | 05/16/24 09:40 | 05/17/24 18:27 |
| 570-184998-2 | MW-2 (S) | Water | 05/16/24 11:20 | 05/17/24 18:27 |
| 570-184998-3 | MW-3 (S) | Water | 05/16/24 13:45 | 05/17/24 18:27 |
| 570-184998-4 | MW-4 (S) | Water | 05/16/24 12:35 | 05/17/24 18:27 |
| 570-184998-5 | MW-5 (S) | Water | 05/16/24 14:55 | 05/17/24 18:27 |
| 570-184998-6 | MW-1 (D) | Water | 05/16/24 10:30 | 05/17/24 18:27 |
| 570-184998-7 | MW-2 (D) | Water | 05/16/24 11:50 | 05/17/24 18:27 |
| 570-184998-8 | MW-3 (D) | Water | 05/16/24 14:25 | 05/17/24 18:27 |
| 570-184998-9 | MW-4 (D) | Water | 05/16/24 13:10 | 05/17/24 18:27 |
| 570-184998-10 | MW-5 (D) | Water | 05/16/24 15:25 | 05/17/24 18:27 |

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Lab #: 922619

Job #: 58669

CoreTrac: IS-75414

Sample Name: MW-1 (D)

Co. Lab#: 570-184998-6

Company: Eurofins Calscience

Container: Plastic Bottle

Field/Site Name: 57020136 / LOCSD

Date Sampled: 05/16/2024 10:30

Date Received: 05/21/2024

Date Reported: 06/14/2024

| | |
|----------------------------|-------------------------|
| δ D of water | na |
| δ^{18} O of water | na |
| Tritium content of water | na |
| δ^{13} C of DIC | na |
| 14 C content of DIC | na |
| δ^{15} N of nitrate | 16.8‰ relative to Air |
| δ^{18} O of nitrate | 13.3‰ relative to VSMOW |
| δ^{34} of sulfate | na |
| δ^{18} O of sulfate | na |
| Vacuum Distilled? * | No |

Remarks:

nd = not detected. na = not analyzed.

*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water





Lab #: 922620

Job #: 58669

CoreTrac: IS-75414

Sample Name: MW-2 (D)

Co. Lab#: 570-184998-7

Company: Eurofins Calscience

Container: Plastic Bottle

Field/Site Name: 57020136 / LOCSD

Date Sampled: 05/16/2024 11:50

Date Received: 05/21/2024

Date Reported: 06/14/2024

| | |
|--------------------------------|-------------------------|
| δD of water | na |
| δ ¹⁸ O of water | na |
| Tritium content of water | na |
| δ ¹³ C of DIC | na |
| ¹⁴ C content of DIC | na |
| δ ¹⁵ N of nitrate | 20.0‰ relative to Air |
| δ ¹⁸ O of nitrate | 15.9‰ relative to VSMOW |
| δ ³⁴ of sulfate | na |
| δ ¹⁸ O of sulfate | na |
| Vacuum Distilled? * | No |

Remarks:

nd = not detected. na = not analyzed.

*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water





Lab #: 922621

Job #: 58669

CoreTrac: IS-75414

Sample Name: MW-3 (D)

Co. Lab#: 570-184998-8

Company: Eurofins Calscience

Container: Plastic Bottle

Field/Site Name: 57020136 / LOCSD

Date Sampled: 05/16/2024 14:25

Date Received: 05/21/2024

Date Reported: 06/14/2024

| | |
|--------------------------------|------------------------|
| δD of water | na |
| δ ¹⁸ O of water | na |
| Tritium content of water | na |
| δ ¹³ C of DIC | na |
| ¹⁴ C content of DIC | na |
| δ ¹⁵ N of nitrate | 8.8‰ relative to Air |
| δ ¹⁸ O of nitrate | 6.6‰ relative to VSMOW |
| δ ³⁴ of sulfate | na |
| δ ¹⁸ O of sulfate | na |
| Vacuum Distilled? * | No |

Remarks:

nd = not detected. na = not analyzed.

*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water





Lab #: 922622

Job #: 58669

CoreTrac: IS-75414

Sample Name: MW-4 (D)

Co. Lab#: 570-184998-9

Company: Eurofins Calscience

Container: Plastic Bottle

Field/Site Name: 57020136 / LOCSD

Date Sampled: 05/16/2024 13:10

Date Received: 05/21/2024

Date Reported: 06/14/2024

| | |
|--------------------------------|------------------------|
| δD of water | na |
| δ ¹⁸ O of water | na |
| Tritium content of water | na |
| δ ¹³ C of DIC | na |
| ¹⁴ C content of DIC | na |
| δ ¹⁵ N of nitrate | 11.7‰ relative to Air |
| δ ¹⁸ O of nitrate | 3.8‰ relative to VSMOW |
| δ ³⁴ of sulfate | na |
| δ ¹⁸ O of sulfate | na |
| Vacuum Distilled? * | No |

Remarks:

nd = not detected. na = not analyzed.

*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water





Lab #: 922623

Job #: 58669

CoreTrac: IS-75414

Sample Name: MW-5 (D)

Co. Lab#: 570-184998-10

Company: Eurofins Calscience

Container: Plastic Bottle

Field/Site Name: 57020136 / LOCSD

Date Sampled: 05/16/2024 15:25

Date Received: 05/21/2024

Date Reported: 06/14/2024

| | |
|----------------------------|------------------------|
| δ D of water | na |
| δ^{18} O of water | na |
| Tritium content of water | na |
| δ^{13} C of DIC | na |
| 14 C content of DIC | na |
| δ^{15} N of nitrate | 9.3‰ relative to Air |
| δ^{18} O of nitrate | 7.8‰ relative to VSMOW |
| δ^{34} of sulfate | na |
| δ^{18} O of sulfate | na |
| Vacuum Distilled? * | No |

Remarks:

nd = not detected. na = not analyzed.

*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water





Environment Testing
Calscience

2841 Dow Avenue, Suite 100, Tustin, CA 92780 • (714) 895-5494

For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

DATE: 5/16/24

PAGE: _____ OF _____

184998

| LABORATORY CLIENT: GSI WATER SOLUTIONS, INC. | | | | | | CLIENT PROJECT NAME / NO LOESD | | | | | | P.O. NO | | | | | | | | | | | | | | | | | |
|--|-----------|---|--|--|--|---|--|--|---|---|--|--|---|--|---|--|---|-------------|-----------|----------------|--|--|--|---|--|--|---|---|--|
| ADDRESS: 418 CHAPALA ST SUITE H | | | | | | PROJECT CONTACT: ANDY LAPOSTOL | | | | | | LAB CONTACT OR QUOTE NO. | | | | | | | | | | | | | | | | | |
| CITY: Santa Barbara | | STATE: CA | | ZIP: 93101 | | GLOBAL ID: | | LOG CODE: | | SAMPLER(S) (PRINT) | | | | | | | | | | | | | | | | | | | |
| TEL: 805-259-5666 | | E-MAIL: NFORTUNELLI@GSINS.COM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD EDD: <input type="checkbox"/> COELT EDF <input type="checkbox"/> OTHER | | | | | | | | | | | | REQUESTED ANALYSES | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS: 1L BOTTLES FOR ISOTOPES WERE FIELD FILTERED WITH 0.45 MICRON FILTER (PLASTIC BOTTLES). | | | | | | Please check box or fill in blank as needed. | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | <table border="1" style="width: 100%;"> <tr> <td>Unpreserved</td> <td>Preserved</td> <td>Field Filtered</td> <td><input type="checkbox"/> TDK (g) <input type="checkbox"/> GRC <input type="checkbox"/> Nitrate N 300.0</td> <td><input type="checkbox"/> TDK (g) <input type="checkbox"/> DBO <input type="checkbox"/> Nitrate N 300.0</td> <td><input type="checkbox"/> TDK (g) <input type="checkbox"/> CSO <input type="checkbox"/> Nitrate N 300.0</td> <td><input type="checkbox"/> TDK (g) <input type="checkbox"/> Sulfate 300.0</td> <td><input type="checkbox"/> BTEX+MTBE <input type="checkbox"/> 8000</td> <td><input type="checkbox"/> VOCs (6009) TKN 357.2</td> <td><input type="checkbox"/> Oxygenates (6009) NO_2 NO_3 Calc</td> <td><input type="checkbox"/> Prep (6009) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core</td> <td><input type="checkbox"/> SVOCs (4020) - Total N Calc</td> <td><input type="checkbox"/> Pesticides (4004) TDS 50250 C</td> <td><input type="checkbox"/> PCBs (4002) <input type="checkbox"/> BTEX, Solvents 2007</td> <td><input type="checkbox"/> PAHs (8270) <input type="checkbox"/> BZDioxin <input type="checkbox"/> rev 19</td> <td><input type="checkbox"/> T22-Metals <input type="checkbox"/> 6010747X <input type="checkbox"/> 6020747X</td> <td><input type="checkbox"/> Cr(VI) <input type="checkbox"/> 7496 <input type="checkbox"/> 7499 <input type="checkbox"/> 248.6</td> <td><input type="checkbox"/> N/O isotopes - 15N/14N & 18O/16O</td> </tr> </table> | | | | | | | | | | | | Unpreserved | Preserved | Field Filtered | <input type="checkbox"/> TDK (g) <input type="checkbox"/> GRC <input type="checkbox"/> Nitrate N 300.0 | <input type="checkbox"/> TDK (g) <input type="checkbox"/> DBO <input type="checkbox"/> Nitrate N 300.0 | <input type="checkbox"/> TDK (g) <input type="checkbox"/> CSO <input type="checkbox"/> Nitrate N 300.0 | <input type="checkbox"/> TDK (g) <input type="checkbox"/> Sulfate 300.0 | <input type="checkbox"/> BTEX+MTBE <input type="checkbox"/> 8000 | <input type="checkbox"/> VOCs (6009) TKN 357.2 | <input type="checkbox"/> Oxygenates (6009) NO_2 NO_3 Calc | <input type="checkbox"/> Prep (6009) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core | <input type="checkbox"/> SVOCs (4020) - Total N Calc |
| Unpreserved | Preserved | Field Filtered | <input type="checkbox"/> TDK (g) <input type="checkbox"/> GRC <input type="checkbox"/> Nitrate N 300.0 | <input type="checkbox"/> TDK (g) <input type="checkbox"/> DBO <input type="checkbox"/> Nitrate N 300.0 | <input type="checkbox"/> TDK (g) <input type="checkbox"/> CSO <input type="checkbox"/> Nitrate N 300.0 | <input type="checkbox"/> TDK (g) <input type="checkbox"/> Sulfate 300.0 | <input type="checkbox"/> BTEX+MTBE <input type="checkbox"/> 8000 | <input type="checkbox"/> VOCs (6009) TKN 357.2 | <input type="checkbox"/> Oxygenates (6009) NO_2 NO_3 Calc | <input type="checkbox"/> Prep (6009) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core | <input type="checkbox"/> SVOCs (4020) - Total N Calc | <input type="checkbox"/> Pesticides (4004) TDS 50250 C | <input type="checkbox"/> PCBs (4002) <input type="checkbox"/> BTEX, Solvents 2007 | <input type="checkbox"/> PAHs (8270) <input type="checkbox"/> BZDioxin <input type="checkbox"/> rev 19 | <input type="checkbox"/> T22-Metals <input type="checkbox"/> 6010747X <input type="checkbox"/> 6020747X | <input type="checkbox"/> Cr(VI) <input type="checkbox"/> 7496 <input type="checkbox"/> 7499 <input type="checkbox"/> 248.6 | <input type="checkbox"/> N/O isotopes - 15N/14N & 18O/16O | | | | | | | | | | | | |
| 570 184998 COC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAB USE ONLY | SAMPLE ID | SAMPLING | | MATRIX | NO. OF CONT | Unpreserved | Preserved | Field Filtered | | | | | | | | | | | | | | | | | | | | | |
| | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | MW-1(S) | 5/16/24 | 0940 | GW | 2 | | | | | | X | X | X | | | | | | | | | | | | | | | | |
| 2 | MW-2(S) | | 1120 | | 3 | | | | | | X | X | | | | | | | | | | | | | | | | | |
| 3 | MW-3(S) | | 1345 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | MW-4(S) | | 1235 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | MW-5(S) | | 1455 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | MW-1(D) | | 1030 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | MW-2(D) | | 1150 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | MW-3(D) | | 1425 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | MW-4(D) | | 1310 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | MW-5(D) | | 1525 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>Nehuen Fortunelli</i> | | Date: 5/17/24 | | Time: 1400 | | Received by: (Signature/Affiliation) <i>[Signature] EC</i> | | Date: 5/17/24 | | Time: 1400 | | | | Date: 5/17/24 | | Time: 1827 | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>[Signature] EC</i> | | Date: 5/17/24 | | Time: 1827 | | Received by: (Signature/Affiliation) <i>[Signature] EC</i> | | Date: 5/17/24 | | Time: 1827 | | | | Date: 5/17/24 | | Time: 1827 | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date: | | Time: | | Received by: (Signature/Affiliation) | | Date: | | Time: | | | | Date: | | Time: | | | | | | | | | | | | | |

2.4/1.8 3.6/3.0 SC15

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UJ6P

Chain of Custody Record



| Client Information (Sub Contract Lab) | | Lab Pk: Jennifer | | Carrier Tracking No(s): 570-369356-1 | | | | | |
|--|-------------|---|------------------------------|---|-----------------------------------|-----------------------------|--|----------------------------|----------------------------|
| Client Contact: Shipping/Receiving | | E-Mail: Jennifer.Moffatt@eurofins.com | | State of Origin: California | | | | | |
| Company: Isotech Laboratories, Inc | | Accreditations Required (See note): NELAP Oregon; State California | | Job #: 570-184998-1 | | | | | |
| Address: 1308 Parkland Ct, Champaign, IL 61821 | | Due Date Requested: 5/31/2024 | | Preservation Codes: | | | | | |
| City: Champaign | | TAT Requested (days): | | Analysis Requested: | | | | | |
| State, Zip: IL 61821 | | PO #: | | | | | | | |
| Phone: 217-398-3490(Tel) | | W/O #: | | | | | | | |
| Email: | | Project #: | | | | | | | |
| Project Name: LOCSO | | 57020136 | | | | | | | |
| Site: | | SSOW#: | | | | | | | |
| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (Water, Solid, On-site) | Field Filtered Sample (Yes or No) | Performs MS/MSD (Yes or No) | SUB (Nitrogen & Oxygen Isotope-15N/14N & 18O/16O analysis of Diss NO3) | Total Number of Containers | Special Instructions/Note: |
| MW-1 (D) (570-184998-6) | 5/16/24 | 10:30 Pacific | | Water | X | X | | 1 | See Attached Instructions |
| MW-2 (D) (570-184998-7) | 5/16/24 | 11:50 Pacific | | Water | X | X | | 1 | See Attached Instructions |
| MW-3 (D) (570-184998-8) | 5/16/24 | 14:25 Pacific | | Water | X | X | | 1 | See Attached Instructions |
| MW-4 (D) (570-184998-9) | 5/16/24 | 13:10 Pacific | | Water | X | X | | 1 | See Attached Instructions |
| MW-5 (D) (570-184998-10) | 5/16/24 | 15:25 Pacific | | Water | X | X | | 1 | See Attached Instructions |
| <p>Note: Since laboratory accreditations are subject to change, Eurofins Calscience places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Calscience.</p> | | | | | | | | | |
| <p>Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV Other (specify) 2 Primary Deliverable Rank: 2</p> | | | | | | | | | |
| <p>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months</p> | | | | | | | | | |
| <p>Special Instructions/QC Requirements:</p> | | | | | | | | | |
| <p>Empty Kit Relinquished by: _____ Date: _____ Method of Shipment: _____</p> | | | | | | | | | |
| <p>Relinquished by: <i>[Signature]</i> Date/Time: 05/20/2024 11:00 Company: _____ Received by: _____ Date/Time: _____ Company: _____</p> | | | | | | | | | |
| <p>Relinquished by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: _____ Company: _____</p> | | | | | | | | | |
| <p>Custody Seals Intact: _____ Custody Seal No. _____ Cooler Temperature(s) °C and Other Remarks: _____</p> | | | | | | | | | |



Login Sample Receipt Checklist

Client: GSI Water Solutions, Inc

Job Number: 570-184998-1

Login Number: 184998

List Number: 1

Creator: Patel, Jayesh

List Source: Eurofins Calscience

| Question | Answer | Comment |
|---|--------|---------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

