TECHNICAL MEMORANDUM

Bi-Annual Groundwater Monitoring Report for the Los Olivos Community Services District Groundwater Quality Monitoring Network

To: Guy Savage, Los Olivos Community Services District
Doug Pike, Los Olivos Community Services District

From: Tim Thompson, GSI Water Solutions
Andy Lapostol, GSI Water Solutions

Attachments: Attachment A – Hydrographs
Attachment B – Final Laboratory Report
Attachment C – Water Quality Charts
Attachment D – Field Notes

Date: June 19, 2026

Introduction

This memorandum provides documentation of the groundwater quality testing results from samples collected during the Spring 2026 monitoring event at the five monitoring wells (MW-1 through 5) that represent the current Los Olivos Monitoring Well Network. GSI Water Solutions (GSI) staff conducted the sampling as part of the Bi-Annual Groundwater Monitoring event for Los Olivos Community Service District (LOCSD). The monitoring network is designed in alignment with the LOCSD Groundwater Monitoring Plan[1], the purpose of which is to (a) establish baseline groundwater quality conditions and (b) monitor changes over time as the LOCSD Wastewater Reclamation Program is implemented.

The following sections describe the groundwater data collected from the Monitoring Well Network wells on June 10, 2026.

Groundwater Levels

Table 1 summarizes the groundwater levels measured at the 5 monitoring wells on June 10, 2026. Hydrographs showing the temporal changes of the groundwater elevation in each well are provided in Appendix A.

[1] "Los Olivos Groundwater Monitoring Plan", GSI, 2021, prepared for LOCSD.

Table 1. Monitoring Well Construction Details and Water Levels

Well ID	Total Depth (feet bgs)	Perforated Interval (feet bgs)	Static Water Level (feet bgs) on June 10, 2026
MW-1	85	55 – 80	24.32
MW-2	70	35 – 65	26.42
MW-3	90	50 – 90	13.69
MW-4	60	25 – 60	17.72
MW-5	65	30 – 65	4.69

Water Quality

GSI collected water quality samples at all the monitoring wells (MW-1 through MW-5) in the monitoring network on June 10, 2026. The samples were sent to a certified laboratory (Eurofins Calscience) for analysis. The water quality results are shown in Table 2, and the final report from the laboratory is included as Attachment B. Based upon review of the analytical results, there are a few key observations:

- Nitrate (as N) concentrations from the groundwater samples collected at MW-2 and MW-4 (10 and 12 mg/L, respectively) are above the maximum contaminant level (MCL) of 10 mg/L for nitrate. Nitrate concentrations in MW-1, MW-3, and MW-5 are below the MCL. Compared to Fall 2025, nitrate concentrations in MW-2 were the same and concentrations in MW-4 increased by 0.8 mg/L.
- Total Dissolved Solids (TDS) in MW-4 (1,060 mg/L, respectively) exceed the Secondary MCL of 1,000 mg/L.
- Nitrite (as N) was non-detect in all samples.

All the concentrations from this monitoring event are within the historical range observed for each well. Water quality charts showing a time-series of Nitrate (as N) and TDS concentrations are provided in Attachment C. Field notes are provided in Attachment D.

Table 2. Water Quality Sampling Results – June 10, 2026

Analyte	Units	Maximum Contaminant Level[1]	Basin Water Quality Objective[2]	MW-1 Result	MW-2 Result	MW-3 Result	MW-4 Result	MW-5 Result
Nitrate as N	mg/L	10	1	2.4	**10.0**	6.4	**12**	5.1
Nitrite as N	mg/L	1	-	ND	ND	ND	ND	ND
Total Dissolved Solids	mg/L	1,000[3]	600	424	914	760	**1,060**	762

Notes:

1 – CA drinking water standards

2 – Established in the Water Quality Control Plan for the Central Coast Basin (Regional Water Quality Control Board, 2019)

3 – Secondary maximum contaminant level (upper)

Bolded values are at or above the Maximum Contaminant Level

ATTACHMENT A

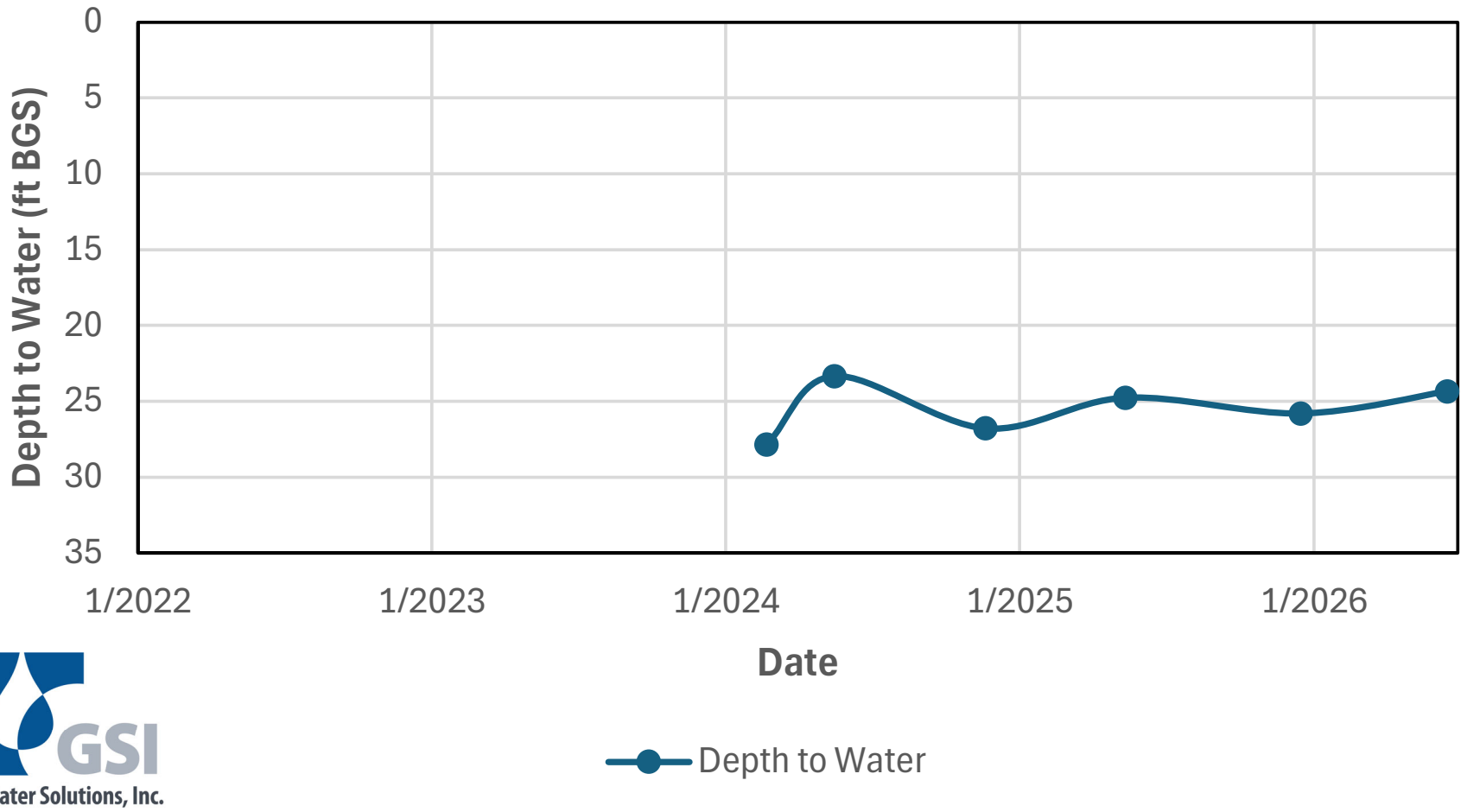
Hydrographs

Depth to Water Below Ground Surface (feet)					
Date	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**
2/22/2024	27.83	30.76	NM	NM	NM
5/16/2024	23.33	29.79	17.73	20.72	10.08
11/20/2024	26.78	27.13	14.05	17.00	8.08
5/13/2025	24.75	24.40	11.78	15.40	5.28
12/17/2025	25.80	26.26	15.71	18.20	4.60
6/10/2026	24.32	26.42	13.69	17.72	4.69

NM = not measured

MW-1 Groundwater Level

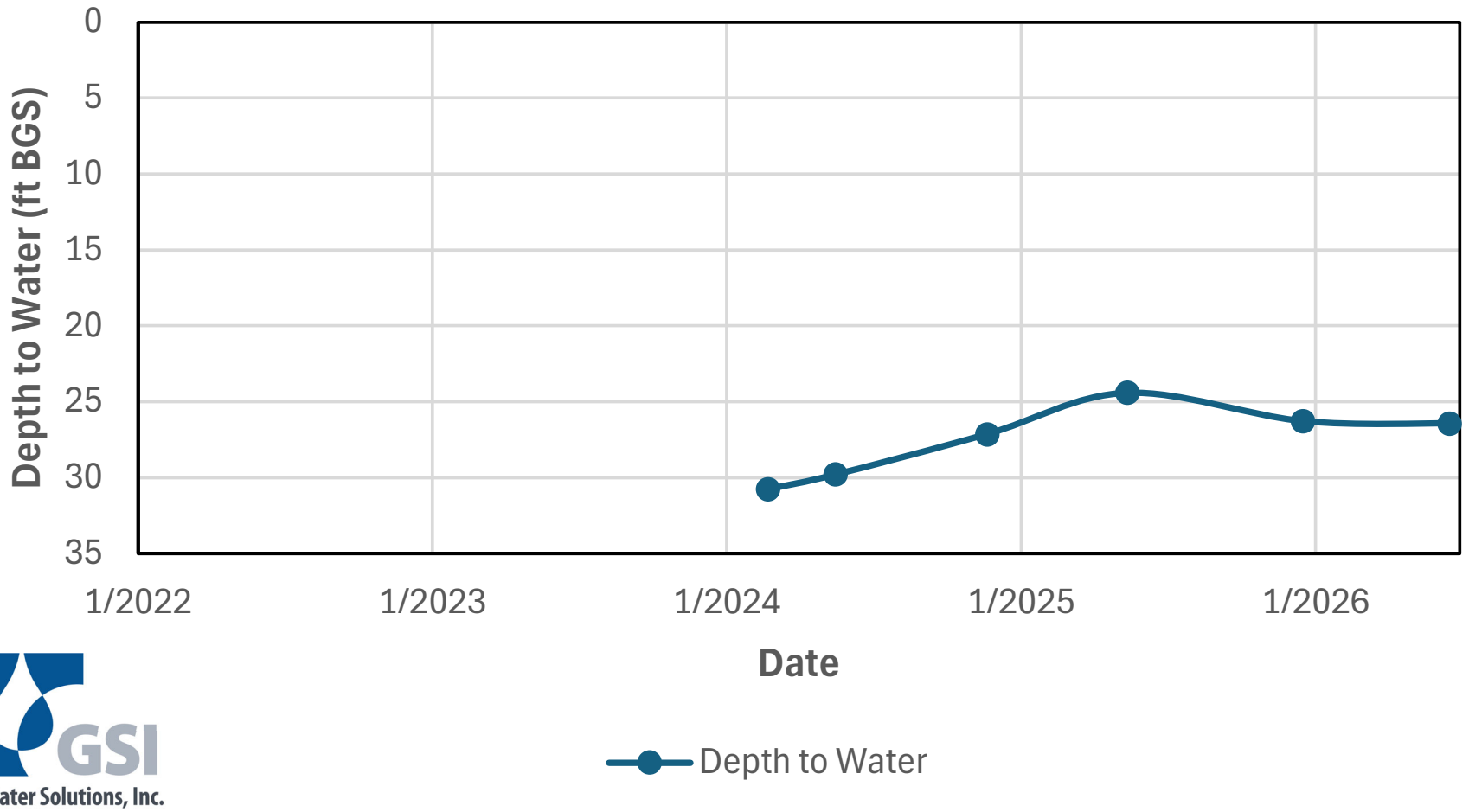
LOCSD Groundwater Monitoring Well Network



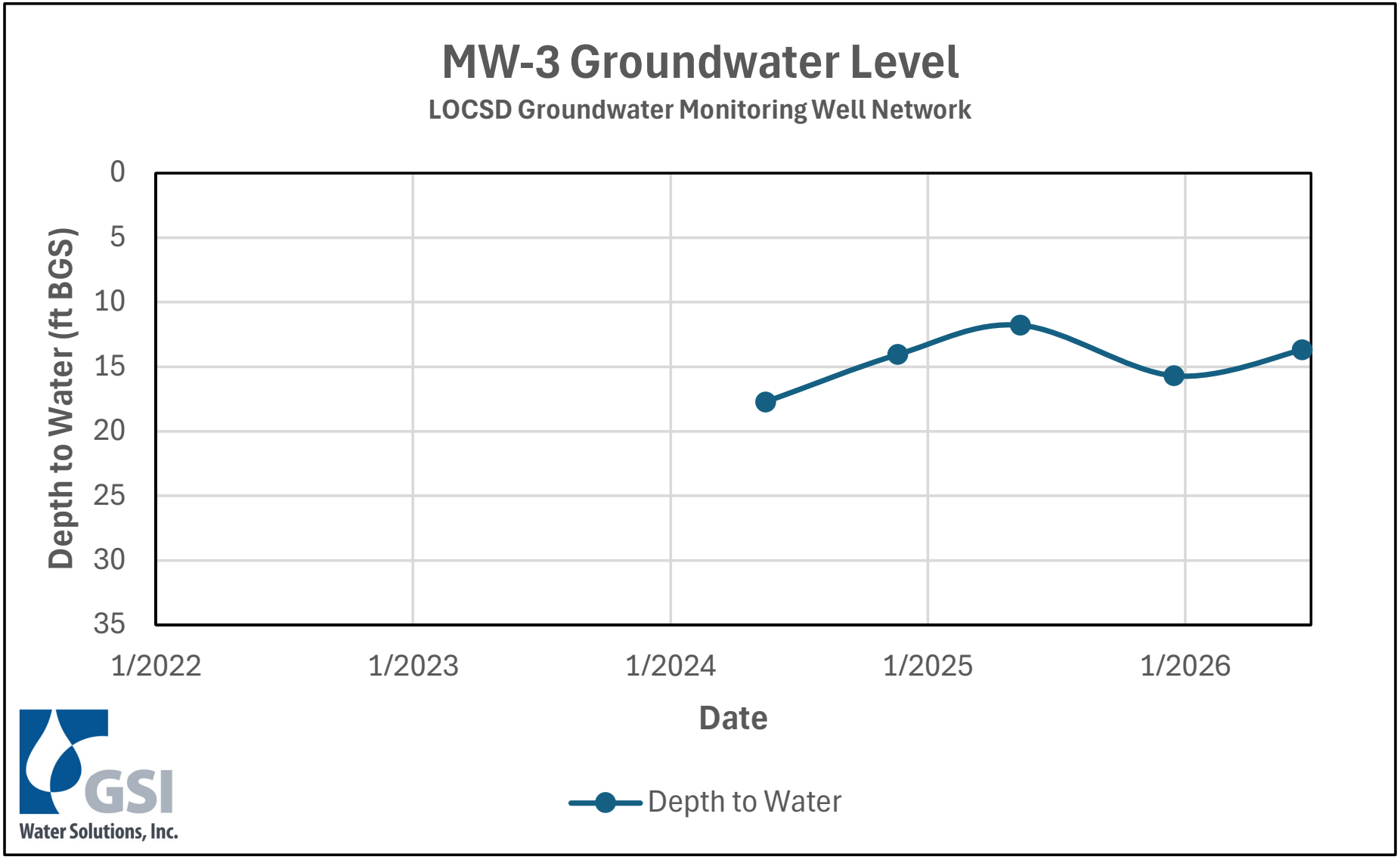
GSI Water Solutions, Inc.

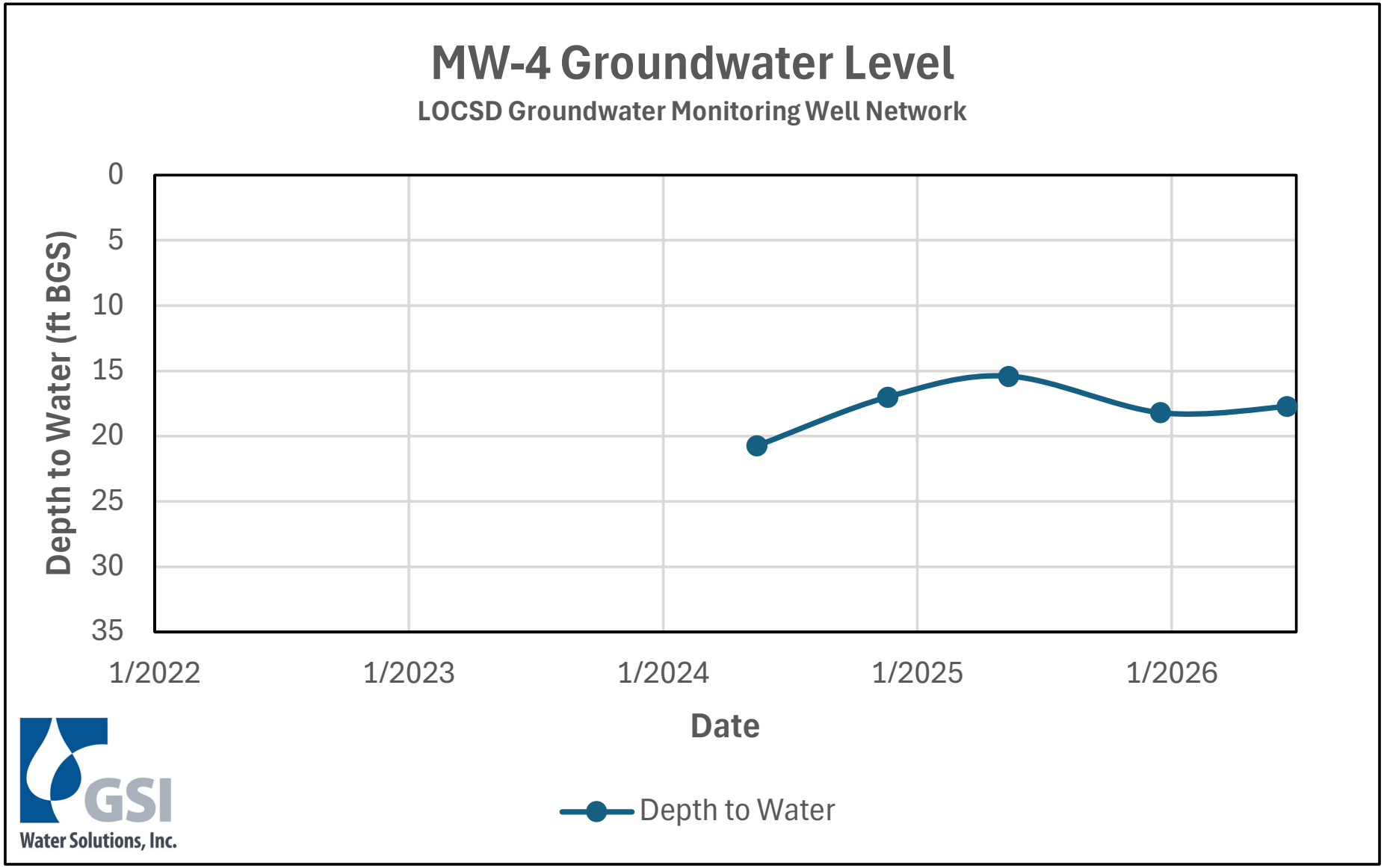
MW-2 Groundwater Level

LOCSD Groundwater Monitoring Well Network



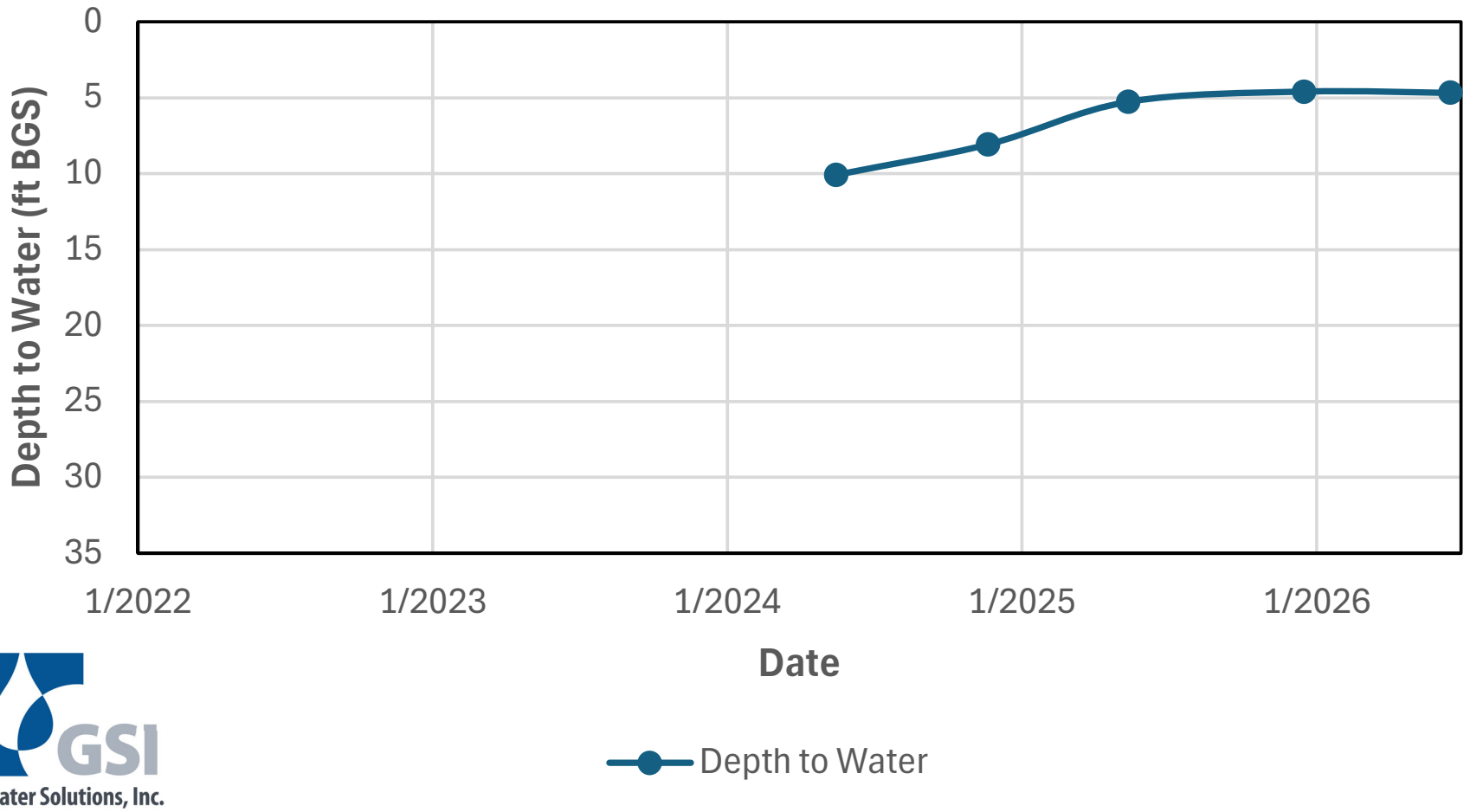
GSI Water Solutions, Inc.


MW-3 Groundwater Level
LOCSD Groundwater Monitoring Well Network
Depth to Water (ft BGS)
0
5
10
15
20
25
30
35
1/2022
1/2023
1/2024
1/2025
1/2026
Date
Depth to Water
GSI
Water Solutions, Inc.


MW-4 Groundwater Level
LOCSD Groundwater Monitoring Well Network
Depth to Water (ft BGS)
0
5
10
15
20
25
30
35
1/2022
1/2023
1/2024
1/2025
1/2026
Date
Depth to Water
GSI
Water Solutions, Inc.

MW-5 Groundwater Level

LOCSD Groundwater Monitoring Well Network



GSI Water Solutions, Inc.

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ATTACHMENT B

Final Laboratory Report

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

LOCSD Bi-annual gw sampling

JOB NUMBER

570-283337-1

Eurofins Calscience
2841 Dow Avenue
Suite 100
Tustin CA 92780

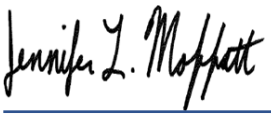
See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization



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Authorized for release by
Jennifer Moffatt, Project Manager I
Jennifer.Moffatt@et.eurofinsus.com
(657)210-6362

Table of Contents

Definitions/Glossary

Client: GSI Water Solutions, Inc
Job ID: 570-283337-1
Project/Site: LOCSD Bi-annual gw sampling

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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

Job Narrative
570-283337-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 6/11/2026 6:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

HPLC/IC
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.

Detection Summary

Client: GSI Water Solutions, Inc
Job ID: 570-283337-1
Project/Site: LOCSD Bi-annual gw sampling

Client Sample ID: MW-1 — Lab Sample ID: 570-283337-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	2.4		0.10	0.020	mg/L	1		300.0	Total/NA
Total Dissolved Solids	424		10.0	5.73	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 570-283337-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N - DL	10		0.20	0.039	mg/L	2		300.0	Total/NA
Total Dissolved Solids	914		10.0	5.73	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 570-283337-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	6.4		0.10	0.020	mg/L	1		300.0	Total/NA
Total Dissolved Solids	760		10.0	5.73	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 570-283337-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	12		0.20	0.039	mg/L	2		300.0	Total/NA
Total Dissolved Solids	1060		10.0	5.73	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 570-283337-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	5.1		0.10	0.020	mg/L	1		300.0	Total/NA
Total Dissolved Solids	762		10.0	5.73	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: GSI Water Solutions, Inc
Job ID: 570-283337-1
Project/Site: LOCSD Bi-annual gw sampling

Client Sample ID: MW-1
Lab Sample ID: 570-283337-1
Date Collected: 06/10/26 09:45
Matrix: Water
Date Received: 06/11/26 18:00

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.091	mg/L			06/11/26 19:37	1
Nitrate as N	**2.4**		0.10	0.020	mg/L			06/11/26 19:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**424**		10.0	5.73	mg/L			06/17/26 18:13	1

Client Sample ID: MW-2
Lab Sample ID: 570-283337-2
Date Collected: 06/10/26 10:20
Matrix: Water
Date Received: 06/11/26 18:00

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.091	mg/L			06/11/26 19:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**10**		0.20	0.039	mg/L			06/11/26 20:40	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**914**		10.0	5.73	mg/L			06/17/26 18:13	1

Client Sample ID: MW-3
Lab Sample ID: 570-283337-3
Date Collected: 06/10/26 12:10
Matrix: Water
Date Received: 06/11/26 18:00

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.091	mg/L			06/11/26 20:04	1
Nitrate as N	**6.4**		0.10	0.020	mg/L			06/11/26 20:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**760**		10.0	5.73	mg/L			06/17/26 18:13	1

Client Sample ID: MW-4
Lab Sample ID: 570-283337-4
Date Collected: 06/10/26 11:10
Matrix: Water
Date Received: 06/11/26 18:00

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.091	mg/L			06/11/26 19:13	1
Nitrate as N	**12**		0.20	0.039	mg/L			06/11/26 19:46	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1060**		10.0	5.73	mg/L			06/17/26 18:13	1

Client: GSI Water Solutions, Inc
Job ID: 570-283337-1
Project/Site: LOCSD Bi-annual gw sampling

Client Sample ID: MW-5
Lab Sample ID: 570-283337-5
Date Collected: 06/10/26 12:50
Matrix: Water
Date Received: 06/11/26 18:00

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.091	mg/L			06/11/26 19:29	1
Nitrate as N	**5.1**		0.10	0.020	mg/L			06/11/26 19:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**762**		10.0	5.73	mg/L			06/17/26 18:13	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 570-752481/5
Matrix: Water
Analysis Batch: 752481

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	0.091	mg/L			06/11/26 13:12	1
Nitrate as N	ND		0.10	0.020	mg/L			06/11/26 13:12	1

Lab Sample ID: LCS 570-752481/6
Matrix: Water
Analysis Batch: 752481

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	2.509		mg/L		100	90 - 110		
Nitrate as N			5.00	5.048		mg/L		101	90 - 110		

Lab Sample ID: LCSD 570-752481/7
Matrix: Water
Analysis Batch: 752481

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	2.504		mg/L		100	90 - 110	0	15
Nitrate as N			5.00	5.039		mg/L		101	90 - 110	0	15

Lab Sample ID: 570-283337-4 MS
Matrix: Water
Analysis Batch: 752481

Client Sample ID: MW-4
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	2.783		mg/L		111	80 - 120		
Nitrate as N	12		5.00	16.68		mg/L		90	80 - 120		

Lab Sample ID: 570-283337-4 MSD
Matrix: Water
Analysis Batch: 752481

Client Sample ID: MW-4
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	2.887		mg/L		115	80 - 120	4	20
Nitrate as N	12		5.00	16.78		mg/L		92	80 - 120	1	20

Lab Sample ID: MB 570-752498/5
Matrix: Water
Analysis Batch: 752498

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	0.091	mg/L			06/11/26 06:22	1
Nitrate as N	ND		0.10	0.020	mg/L			06/11/26 06:22	1

Lab Sample ID: LCS 570-752498/6
Matrix: Water
Analysis Batch: 752498

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	2.558		mg/L		102	90 - 110		
Nitrate as N			5.00	5.020		mg/L		100	90 - 110		

Client: GSI Water Solutions, Inc
Project/Site: LOCSD Bi-annual gw sampling

Job ID: 570-283337-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 570-752498/7
Matrix: Water
Analysis Batch: 752498

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	2.549		mg/L		102	90 - 110	0	15
Nitrate as N			5.00	5.014		mg/L		100	90 - 110	0	15

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

Lab Sample ID: MB 570-755885/1
Matrix: Water
Analysis Batch: 755885

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	5.73	mg/L			06/17/26 18:13	1

Lab Sample ID: LCS 570-755885/2
Matrix: Water
Analysis Batch: 755885

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	952.0		mg/L		95	85 - 110		

Lab Sample ID: LCSD 570-755885/3
Matrix: Water
Analysis Batch: 755885

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
Total Dissolved Solids			1000	986.0		mg/L		99	85 - 110	4	10

QC Association Summary

Client: GSI Water Solutions, Inc
Job ID: 570-283337-1
Project/Site: LOCSD Bi-annual gw sampling

HPLC/IC

Analysis Batch: 752481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-283337-4	MW-4	Total/NA	Water	300.0	
570-283337-4	MW-4	Total/NA	Water	300.0	
570-283337-5	MW-5	Total/NA	Water	300.0	
MB 570-752481/5	Method Blank	Total/NA	Water	300.0	
LCS 570-752481/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 570-752481/7	Lab Control Sample Dup	Total/NA	Water	300.0	
570-283337-4 MS	MW-4	Total/NA	Water	300.0	
570-283337-4 MSD	MW-4	Total/NA	Water	300.0	

Analysis Batch: 752498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-283337-1	MW-1	Total/NA	Water	300.0	
570-283337-2	MW-2	Total/NA	Water	300.0	
570-283337-2 - DL	MW-2	Total/NA	Water	300.0	
570-283337-3	MW-3	Total/NA	Water	300.0	
MB 570-752498/5	Method Blank	Total/NA	Water	300.0	
LCS 570-752498/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 570-752498/7	Lab Control Sample Dup	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 755885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-283337-1	MW-1	Total/NA	Water	SM 2540C	
570-283337-2	MW-2	Total/NA	Water	SM 2540C	
570-283337-3	MW-3	Total/NA	Water	SM 2540C	
570-283337-4	MW-4	Total/NA	Water	SM 2540C	
570-283337-5	MW-5	Total/NA	Water	SM 2540C	
MB 570-755885/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-755885/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-755885/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: GSI Water Solutions, Inc
Job ID: 570-283337-1
Project/Site: LOCSD Bi-annual gw sampling

Client Sample ID: MW-1
Lab Sample ID: 570-283337-1
Date Collected: 06/10/26 09:45
Matrix: Water
Date Received: 06/11/26 18:00

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	752498	06/11/26 19:37	UIP1	EET CAL 4
	Instrument ID: IC28									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	755885	06/17/26 18:13	ZL7L	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-2
Lab Sample ID: 570-283337-2
Date Collected: 06/10/26 10:20
Matrix: Water
Date Received: 06/11/26 18:00

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	752498	06/11/26 19:50	UIP1	EET CAL 4
	Instrument ID: IC28									
Total/NA	Analysis	300.0	DL	2	4 mL	4 mL	752498	06/11/26 20:40	UIP1	EET CAL 4
	Instrument ID: IC28									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	755885	06/17/26 18:13	ZL7L	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-3
Lab Sample ID: 570-283337-3
Date Collected: 06/10/26 12:10
Matrix: Water
Date Received: 06/11/26 18:00

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	752498	06/11/26 20:04	UIP1	EET CAL 4
	Instrument ID: IC28									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	755885	06/17/26 18:13	ZL7L	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-4
Lab Sample ID: 570-283337-4
Date Collected: 06/10/26 11:10
Matrix: Water
Date Received: 06/11/26 18:00

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	752481	06/11/26 19:13	UIP1	EET CAL 4
	Instrument ID: IC15									
Total/NA	Analysis	300.0		2	4 mL	4 mL	752481	06/11/26 19:46	UIP1	EET CAL 4
	Instrument ID: IC15									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	755885	06/17/26 18:13	ZL7L	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-5
Lab Sample ID: 570-283337-5
Date Collected: 06/10/26 12:50
Matrix: Water
Date Received: 06/11/26 18:00

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	752481	06/11/26 19:29	UIP1	EET CAL 4
	Instrument ID: IC15									

Lab Chronicle

Client: GSI Water Solutions, Inc
Job ID: 570-283337-1
Project/Site: LOCSD Bi-annual gw sampling

Client Sample ID: MW-5
Lab Sample ID: 570-283337-5

Date Collected: 06/10/26 12:50
Matrix: Water

Date Received: 06/11/26 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	755885	06/17/26 18:13	ZL7L	EET CAL 4

Laboratory References:

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

Accreditation/Certification Summary

Client: GSI Water Solutions, Inc
Job ID: 570-283337-1
Project/Site: LOCSD Bi-annual gw sampling

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-26
Oregon	NELAP	4175	02-02-27

Method Summary

Client: GSI Water Solutions, Inc
Job ID: 570-283337-1
Project/Site: LOCSD Bi-annual gw sampling

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET CAL 4
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CAL 4

Protocol References:

EPA = US Environmental Protection Agency

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

Sample Summary

Client: GSI Water Solutions, Inc
Job ID: 570-283337-1
Project/Site: LOCSD Bi-annual gw sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
570-283337-1	MW-1	Water	06/10/26 09:45	06/11/26 18:00	California
570-283337-2	MW-2	Water	06/10/26 10:20	06/11/26 18:00	California
570-283337-3	MW-3	Water	06/10/26 12:10	06/11/26 18:00	California
570-283337-4	MW-4	Water	06/10/26 11:10	06/11/26 18:00	California
570-283337-5	MW-5	Water	06/10/26 12:50	06/11/26 18:00	California

Eurofins Calscience
2841 Dow Ave, Suite 100
Tustin, CA 92780
Phone (714) 895-5494

Chain of Custody Record

Eurofins-VENTURA

eurofins

Loc: 570
283337

Client Information	Sampler: Katie O'Malley	Lab PM: Jennifer Moffat	Carrier Tracking No(s):	COC No:
Client Contact: Katie O'Malley, Andy Lapostol	Phone: 815-245-7935	E-Mail:	State of Origin:	Page: Page 1 of 1
Company: GSI Water Solutions, Inc.	PWSID:			Job #:

Address: 418 Chapala Street, Suite H	Due Date Requested:	
City: Santa Barbara	TAT Requested (days): Standard	
State, Zip: CA, 93101	Compliance Project: Δ Yes Δ No	
Phone: 815-245-7935	PO #: 876.007.001	
Email: komalley@gsiws.com ; alapostol@gsiws.com	WO #:	
Project Name: LOCSD bi-annual gw sampling	Project #: ~~876.006.001~~ 876.007.001	
Site: Los Olivos	SSOW#:	

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	MS/MSD (Yes or No)	Nitrate as N	Nitrite as N	Total Dissolved Solids	Total Number of containers
			Preservation Code:							
MW-1	6-10-26	0945	G	W	N		x	x	x	
MW-2		1020	G	W	N		x	x	x	
MW-3		1210	G	W	N		x	x	x	
MW-4		1110	G	W	N		x	x	x	
MW-5		1250	G	W	N		x	x	x	

570-283337 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by: Katie O'Malley	6/10/26 1015	GSI	Received by:	6/11/26 1015	Eurofins
Relinquished by:	6/11/26	Eurofins	Received by:	06/11/26 1300	EC
Relinquished by:	06/11/26 1800	EC	Received by:	6/11/24 1800	E

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.3/1.3 IR8

2 KGR

Login Sample Receipt Checklist

Client: GSI Water Solutions, Inc

Job Number: 570-283337-1

Login Number: 283337

List Source: Eurofins Calscience

List Number: 1

Creator: Moffatt, Jennifer

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ATTACHMENT C

Water Quality Charts & Historical Water Quality Data

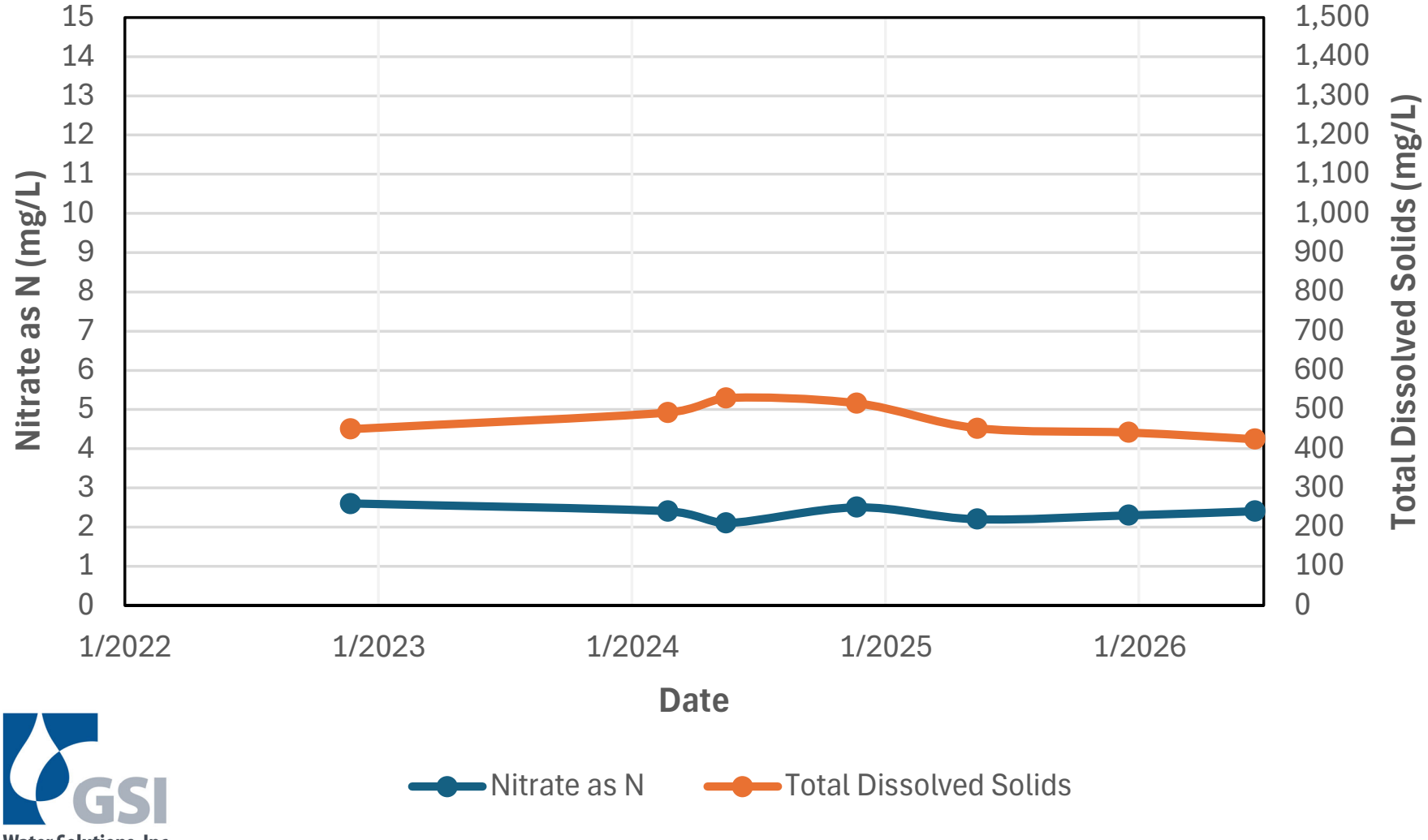
Date	Nitrate as N (mg/L)					Total Dissolved Solids (mg/L)				
	Maximum Contaminant Level = 10 mg/L					Secondary Maximum Contaminant Level = 1,000 mg/L				
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-1	MW-2	MW-3	MW-4	MW-5
11/22/2022	2.6	**10**	NS	NS	NS	450	840	NS	NS	NS
2/22/2024	2.4	**11**	6.3	**11**	4.5	492	1,120	846	1,090	791
5/16/2024	2.1	8.6	5.9	**14**	4.7	529	948	853	1,160	745
11/20/2024	2.5	**12**	6.2	**13**	4.9	516	1,180	864	1,140	806
5/13/2025	2.2	**12**	5.9	9.5	4.3	452	1,080	808	988	771
12/17/2025	2.3	**10**	6	**11.8**	4.8	441	1,000	773	1,120	769
617/2026	2.4	**10**	6.4	**12**	4.8	424	914	760	1,060	762

NS = not sampled

bold = concentration at or above Maximum Contaminant Level

MW-1 Water Quality

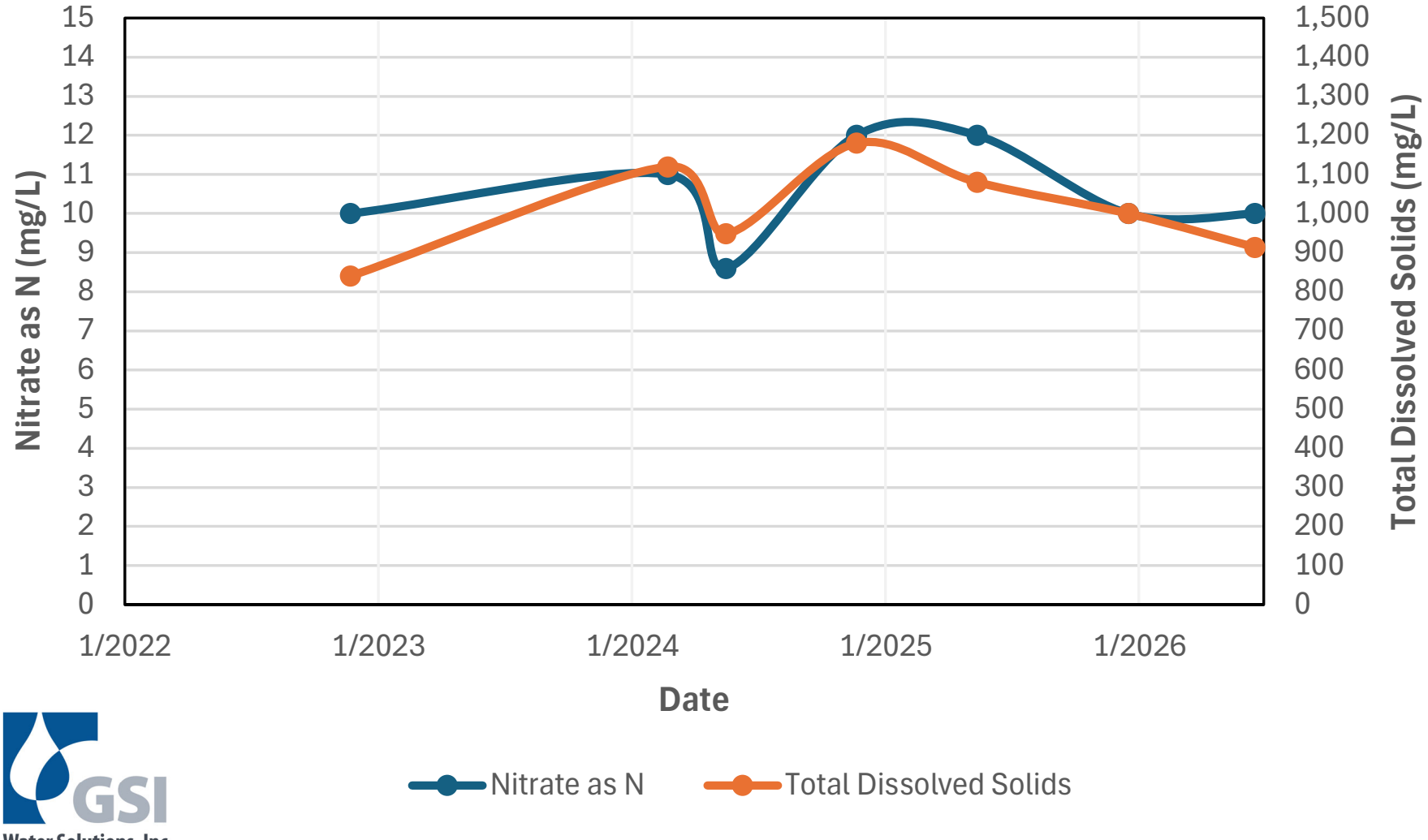
LOCSD Groundwater Monitoring Well Network



GSI Water Solutions, Inc.

MW-2 Water Quality

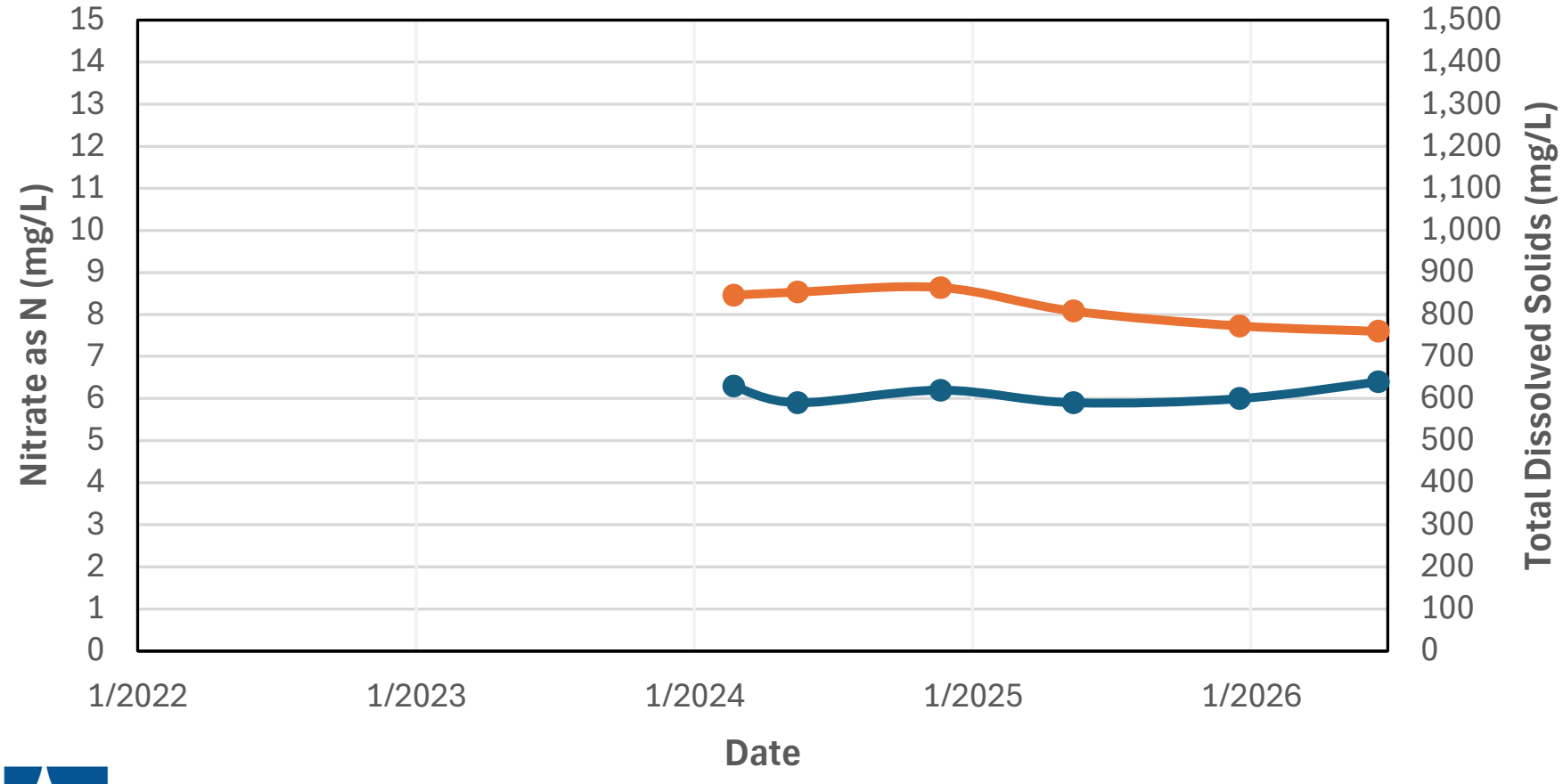
LOCSD Groundwater Monitoring Well Network



GSI Water Solutions, Inc.

MW-3 Water Quality

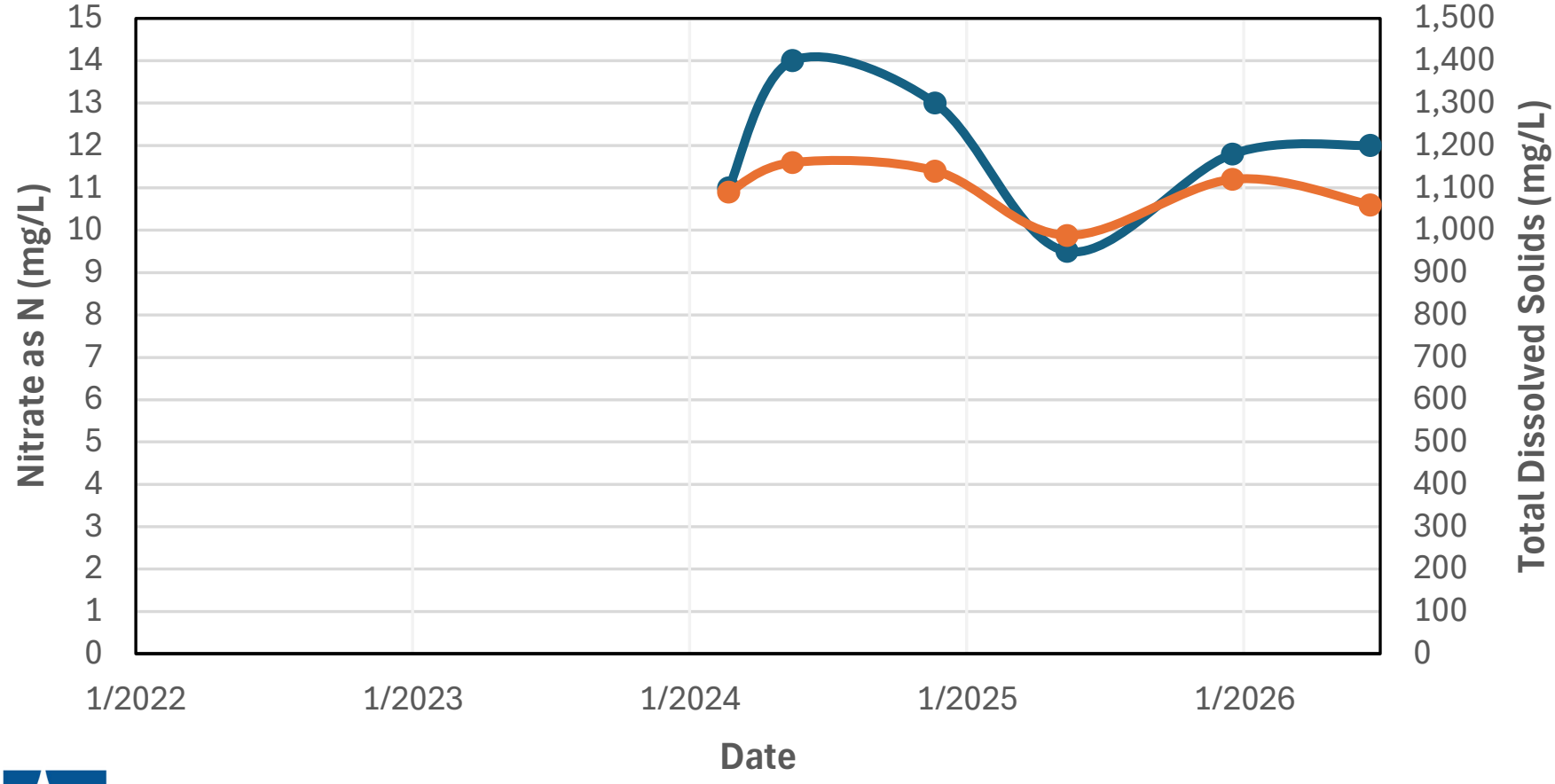
LOCSD Groundwater Monitoring Well Network



GSI Water Solutions, Inc.

MW-4 Water Quality

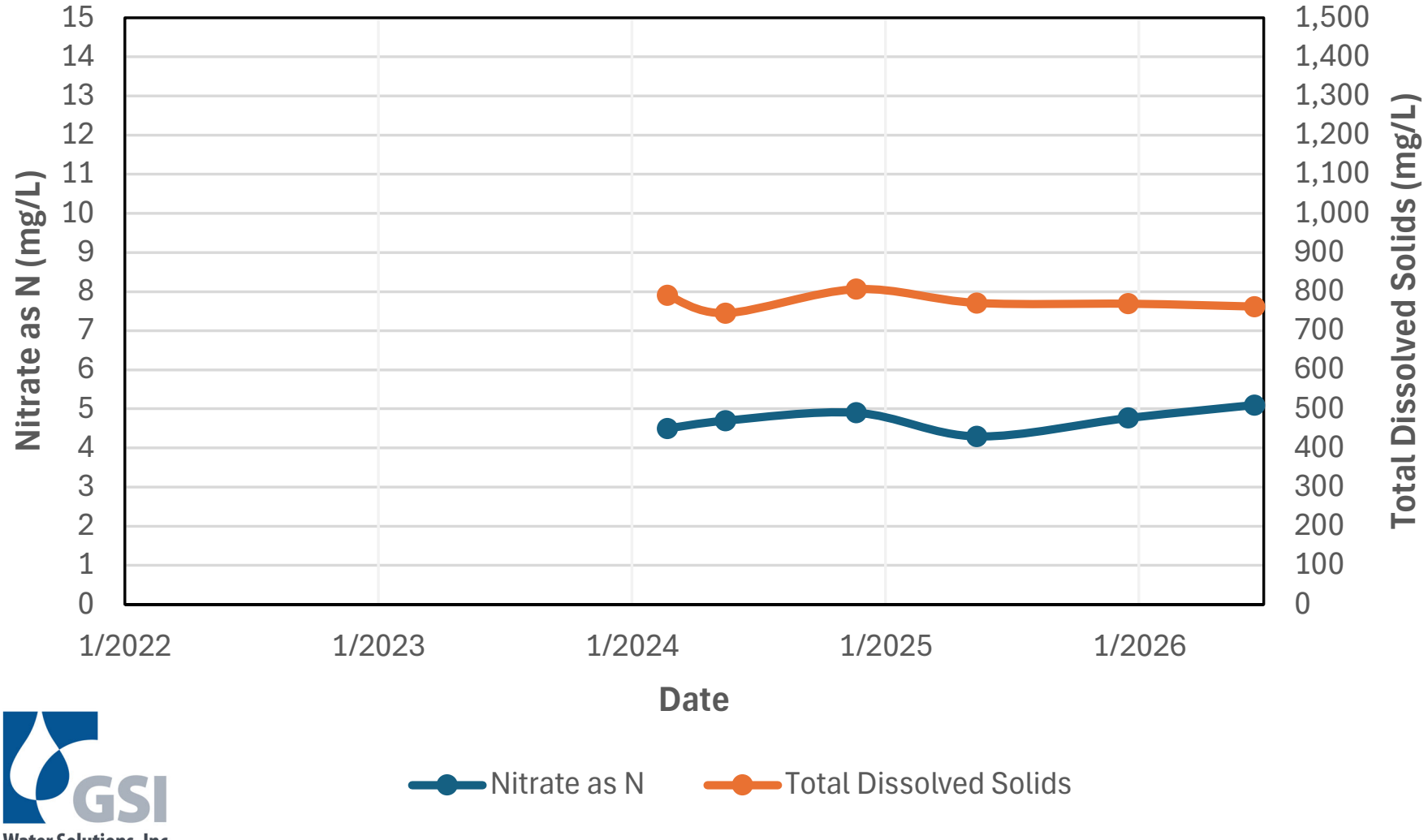
LOCSD Groundwater Monitoring Well Network



GSI Water Solutions, Inc.

MW-5 Water Quality

LOCSD Groundwater Monitoring Well Network



GSI Water Solutions, Inc.

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ATTACHMENT D

Field Notes

REPORT OF GROUND WATER PURGING/SAMPLING DATA

GSI Water Solutions, Inc.

Project No. **876.007.001**	Well ID No.: **MW-1**	Day	M	T	W	T	F	S	S

Client: **Los Olivos CSD** | Project: **Los Olivos GW Monitoring 25-26**

Location: **Ballard Canyon Rd & San Marcos Pass Rd** | Weather: 70°F sunny

Observer: Katie O'Malley | Date: 6-10-26

PURGING DATA

A	Total depth of well (ft BGS)	85 (87.75 BTOC)
B	Static water level (ft BTOC)	27.07
C	Depth of water column (ft) (A-B=C)	57.93
D	Volume multiplier (gal/ft)	0.16
E	Casing volume, one (gal) (CTransducer=E)	9.27
F	Casing volume, three (gal) (3xE=F)	27.8
G	Purge, time start (military)	09:29
H	Purge, time stop (military)	0945
I	Total time of purge (min)	17
J	Purge rate (gal/min)	1.67
K	Actual purge volume (gal)	28.37
L	Drawdown	--
M	Type of purge pump	
N	Comments:	

Screen = 55-80 ft bgs

Sampled at: 0945

INDICATOR DATA

Time (hhmm)	0933	0935	0940	0945			
Temperature (C)	19.0	19.5	19.5	19.5			
Conductivity	749.7	716.5	714.6	714.9			
pH	6.81	6.57	6.46	6.40			
Turbidity (NTU	17.00	3.91	6.29	~~4.49~~	4.93		
ORP (mV)	170	223	231	269			
Diss. Oxygen	—	—	—	—			

SAMPLING DATA – SEE CHAIN OF CUSTODY

Sample No.	Date	Time (military)	Sampling Device	Type of Container	Number of Containers	Preservative	Laboratory Tests A	B	C	D	E	F

Depth of water at sampling

Test Method

A
B
C
D
E
F

Comments:

9:31 - 5 gal start
9:34 5 gal end

3 MIN 5/3 = 1.67 gal/min

REPORT OF GROUND WATER PURGING/SAMPLING DATA

GSI Water Solutions, Inc.

Project No. **876.007.001**	Well ID No.: **MW-2**	Day	M	T	W	T	F	S	S
Client: **Los Olivos CSD**		Project: **Los Olivos GW Monitoring 25-26**							
Location: **Alley East of Grand Ave, North of Jonata St**		Weather: 6-10-26							
Observer: Katie O'Malley		Date: 75°F sunny							

PURGING DATA

A	Total depth of well (ft BGS)	70 (72.1 BTOC)
B	Static water level (ft BTOC)	28.52
C	Depth of water column (ft) (A-B=C)	41.48
D	Volume multiplier (qal/ft)	0.16
E	Casing volume, one (gal) (CTransducer=E)	6.64
F	Casing volume, three (gal) (3xE=F)	19.91
G	Purge, time start (military)	1004
H	Purge, time stop (military)	1020
I	Total time of purge (min)	16
J	Purge rate (gal/min)	1.67
K	Actual purge volume (gal)	26.72
L	Drawdown	--
M	Type of purge pump	
N	Comments:	

Screen = 35-65 ft bgs

Sampled at: 1020

INDICATOR DATA

Time (hhmm)	1005	1010	1015	1020			
Temperature (C)	19.3	19.2	19.1	19.1			
Conductivity	1464	1441	1449	1473			
pH	6.48	6.67	6.72	6.72			
Turbidity (NTU	37.88	20.77	16.22	8.89			
ORP (mV)	243	240	251	244			
Diss. Oxygen	—	—	—				

SAMPLING DATA – SEE CHAIN OF CUSTODY

Sample No.	Date	Time (military)	Sampling Device	Type of Container	Number of Containers	Preservative	Laboratory Tests A	B	C	D	E	F

Depth of water at sampling

Comments: 5 gal - 1004 start
1007 end
5/3 = 1.67 gal/min

Test Method

A
B
C
D
E
F

REPORT OF GROUND WATER PURGING/SAMPLING DATA

GSI Water Solutions, Inc.

Project No. **876.007.001**	Well ID No.: **MW-3**	Day	M T (W) T F S S
Client: **Los Olivos CSD**		Project: **Los Olivos GW Monitoring 25-26**	
Location: **2280 Olivet St**		Weather:	85°F, sunny
Observer: Katie O'Malley		Date:	6-10-26

PURGING DATA

A	Total depth of well (ft)	90 ft bgs	**Screen = 50-90 ft bgs**
B	Static water level (ft)	13.69	
C	Depth of water column (ft) (A-B=C)	76.31	
D	Volume multiplier (gal/ft)	0.16	
E	Casing volume, one (gal) (CTransducer=E)	12.2	
F	Casing volume, three (gal) (3xE=F)	36	
G	Purge, time start (military)	1145	
H	Purge, time stop (military)	1210	
I	Total time of purge (min)	~~30~~ 25	
J	Purge rate (gal/min)	1.67	
K	Actual purge volume (gal)	41.75	
L	Drawdown	--	
M	Type of purge pump		
N	Comments:		
		Sampled at:	~~1205~~ 1210

INDICATOR DATA

Time (hhmm)	1145	1150	1155	1200	1205	1210
Temperature (C)	22.9	20.9	20.3	20.9	19.8	19.8
Conductivity	1179	1189	1187	1198	1196	1197
pH	7.24	7.21	7.21	7.17	7.18	7.20
Turbidity (NTU	86	48.81	32.83	23.58	18.17	12.73
ORP (mV)	230	237	233	250	257	273
Diss. Oxygen	—	—	—	—	—	

SAMPLING DATA – SEE CHAIN OF CUSTODY

Sample No.	Date	Time (military)	Sampling Device	Type of Container	Number of Containers	Preservative	Laboratory Tests A	B	C	D	E	F

Depth of water at sampling

Comments:

Test Method

A
B
C
D
E
F

REPORT OF GROUND WATER PURGING/SAMPLING DATA

GSI Water Solutions, Inc.

Project No. **876.007.001**	Well ID No.: **MW-4**	Day	M	T	W	T	F	S	S
Client: **Los Olivos CSD**		Project: **Los Olivos GW Monitoring 25-26**							
Location: **2440 Olivet St**		Weather: 85°F, Sunny							
Observer: Katie O'Malley		Date: 6-10-26							

PURGING DATA

A	Total depth of well (ft)	60 ft bgs
B	Static water level (ft)	17.72
C	Depth of water column (ft) (A-B=C)	42.28
D	Volume multiplier (qal/ft)	0.16
E	Casing volume, one (gal) (CTransducer=E)	6.76
F	Casing volume, three (gal) (3xE=F)	20.29
G	Purge, time start (military)	1056
H	Purge, time stop (military)	1110
I	Total time of purge (min)	14
J	Purge rate (gal/min)	1.67
K	Actual purge volume (gal)	23.38
L	Drawdown	--
M	Type of purge pump	
N	Comments:	

Screen = 25-60 ft bgs

Sampled at: 1110

INDICATOR DATA

Time (hhmm)	1056	1100	1105	1110			
Temperature (C)	20.1	20.1	20.0	19.6			
Conductivity	1587	1582	1574	1573			
pH	7.03	7.05	7.02	7.01			
Turbidity (NTU	830	38.68	19.64	14.28			
ORP (mV)	215	227	274	257			
Diss. Oxygen	—	—		—			

SAMPLING DATA – SEE CHAIN OF CUSTODY

Sample No.	Date	Time (military)	Sampling Device	Type of Container	Number of Containers	Preservative	Laboratory Tests A	B	C	D	E	F

Depth of water at sampling

Comments:

Test Method

A
B
C
D
E
F

REPORT OF GROUND WATER PURGING/SAMPLING DATA

GSI Water Solutions, Inc.

Project No. **876.007.001**	Well ID No.: **MW-5**	Day	M	T	W	T	F	S	S
Client: **Los Olivos CSD**		Project: **Los Olivos GW Monitoring 25-26**							
Location: **Alamo Pintado & Grand Ave**		Weather:	85°F sunny						
Observer: Katie O'Malley		Date:	6-10-26						

PURGING DATA

A	Total depth of well (ft)	65
B	Static water level (ft)	4.62
C	Depth of water column (ft) (A-B=C)	60.38
D	Volume multiplier (qal/ft)	0.16
E	Casing volume, one (gal) (CTransducer=E)	9.66
F	Casing volume, three (gal) (3xE=F)	28.98
G	Purge, time start (military)	1232
H	Purge, time stop (military)	1250
I	Total time of purge (min)	18
J	Purge rate (gal/min)	1.67
K	Actual purge volume (gal)	30.06
L	Drawdown	--
M	Type of purge pump	
N	Comments:	

Screen = 30-65 ft bgs

Sampled at: 1250

INDICATOR DATA

Time (hhmm)	1235	1240	1245	1250			
Temperature (C)	24.9	20.2	19.6	20.2			
Conductivity	1170	1162	1157	1151			
pH	7.34	7.19	7.16	7.16			
Turbidity (NTU	18.92	7.13	4.35	0.11			
ORP (mV)	243	265	266	260			
Diss. Oxygen	—	—	—	—			

SAMPLING DATA – SEE CHAIN OF CUSTODY

Sample No.	Date	Time (military)	Sampling Device	Type of Container	Number of Containers	Preservative	Laboratory Tests A	B	C	D	E	F

Depth of water at sampling

Comments:

Test Method

A
B
C
D
E
F

GSI Water Solutions, Inc.

Daily Field Report

June 10th

0745	Swing by office to pick-up barb for tubing/pump & traffic cones
0900	Arrive at MW-1, Guy will call after 12pm to meet up
0945	Sample MW-1
1000	Arrive at MW-2, Sample MW-2
1035	Arrive at MW-4'
1110	Sample MW-4
1130	Arrive at MW-3, ~~Sample MW-3~~
1210	Sample MW-3
1250	Sample MW-5, arrived @ 1230pm
1300	Text Guy, he says he'll be unable to meet. HO off-site
1330	Buy ice for WQ samples
1430	Arrive back at office, store cooler w/ samples and ice in fridge. End day

June 11th

1000	Give samples to courier
1030	Ship FEI pump back via fedex End day

Name: **Signature:** **Date:** 6/11/26

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