## SCS ENGINEERS

June 30, 2025 SCS Project No. 16225004.00

Mr. Luke Johnson Compliance Manager **NAES Corporation** 2161 Rattlesnake Road Riesel, Texas 76682

Subject: Sandy Creek Energy Station

Coal Combustion Residual Waste Management Facility

TCEQ Registration No. CCR107 McLennan County, Texas

2025 Semi-Annual Groundwater Monitoring and Corrective Action Report Submittal

Dear Mr. Johnson:

SCS Engineers (SCS) is pleased to submit the 2025 Semi-Annual Groundwater Monitoring and Corrective Action Report to the Sandy Creek Energy Station (Plant) Coal Combustion Residual (CCR) Waste Management Facility (Landfill), in accordance with Coal Combustion Residual Rule (CCR) 40 CFR Part §257.105(h)(1), and the site Groundwater Sampling and Analysis Plan (GWSAP), prepared by SCS, dated January 13, 2022.

Please contact Robert Fowler at (501) 672-9320 if you have comments or require additional information.

Sincerely,

Morgan Spears Associate Staff Professional

**SCS ENGINEERS** TBPE Registration No. F-3407 Brett DeVries, Ph.D., P.E. Senior Project Manager SCS ENGINEERS

Robert Fowler, P.G. **Project Manager** 

GEOLOGY

**SCS ENGINEERS** 

Attachment: 2025 Semi-Annual Groundwater Monitoring and Corrective Action Report 2025 Semi-Annual Groundwater Monitoring and Corrective Action Report

Sandy Creek Energy Station
Coal Combustion Residual Waste
Management Facility
McLennan County, Texas

Prepared For:

Sandy Creek Energy Station 2161 Rattlesnake Road Riesel, Texas 76682

## SCS ENGINEERS

SCS Project 16225004.00 | June 2025

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#### 1.0 INTRODUCTION AND BACKGROUND

SCS Engineers (SCS) is submitting this 2025 April Semi-Annual Groundwater Monitoring and Corrective Action Report for the Sandy Creek Energy Station (Plant) Coal Combustion Residual Waste Management Facility (Landfill). This report is submitted in accordance with 40 CFR §257.105(h)(6), 30 TAC 352.931, and the site Groundwater Sampling and Analysis Plan (GWSAP) prepared by SCS, and sealed on January 13, 2022. This report includes results for the first of two semiannual detection monitoring events, conducted in April 2025.

The Plant is a pulverized coal-fired electric generation facility which operates a landfill for disposal of dry scrubber ash and bottom ash generated during the coal combustion process at the facility. Incidental wastes generated during the operation of the facility may also be disposed in the landfill, as described in the initial registration notification to TCEQ. The landfill is currently comprised of disposal cells, Cells 1 and 2, which commenced receiving waste in early 2013 and October 2014, respectively. Additionally, a portion of Cell 3 (includes subcells 3A through 3D) was constructed in 2021. The approximate area of currently constructed Cells 1, 2, and 3 are 10.0, 14.3, and 10.3 acres, respectively. As of April 2025, there has been no CCR waste placed into Cell 3.

Sampling of groundwater monitoring wells is conducted in accordance with 40 CFR §257.93, 30 TAC §352.931, and the GWSAP. Groundwater monitoring of six wells must be performed (BW-1, MW-1, MW-2, MW-3, MW-4, MW-5; as depicted on **Figure 1** for well locations).

In accordance with 40 CFR §257.94(b), and 30 TAC 352.941 quarterly background monitoring must be performed for each well for eight consecutive quarters (i.e., eight independent samples collected for each well). The Appendix III and IV constituents monitored during the first eight quarters include 18 inorganic compounds, total dissolved solids, radium-226, and radium-228. In accordance with 40 CFR §257.94(a and b), the constituents monitored in subsequent events and during the 2025 monitoring events include Appendix III constituents only. Monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5 and BW-1 are currently in detection monitoring.

#### 2.0 GROUNDWATER MONITORING SUMMARY

#### 2.1 GROUNDWATER MONITORING SYSTEM

The current groundwater monitoring system at the SCES landfill consists of six wells, all of which are in detection monitoring (see **Table 1** below). Monitoring well BW-1 serves as an upgradient monitoring point and the remaining five monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5) serve as downgradient monitoring points. **Figure 1** depicts monitoring well locations at SCES.

Table 1 – Groundwater Monitoring System

Well ID (U/D) <sup>1</sup>	Status	Top of Casing Elevation (ft msl) <sup>2</sup>	Well Depth (ft, bgs) <sup>2</sup>	Screen Interval (ft, bgs) <sup>2</sup>	Water Level Elevation (ft msl, on 4/29/2025)
BW-1 (U)	Detection	485.57	38.63	28.30-38.30	468.87
MW-1 (D)	Detection	465.87	34.23	23.90-33.90	454.46
MW-2 (D)	Detection	442.15	19.63	9.30-19.30	428.82
MW-3 (D)	Detection	430.06	16.23	5.98-15.98	421.22
MW-4 (D)	Detection	436.91	30.30	20.00-30.00	422.86
MW-5 (D)	Detection	454.52	35.30	25.00-35.00	433.51

1 (U) = upgradient, (D) = downgradient; 2 Top of Casing Elevation, Well Depth, and Screen Interval information obtained from Table 1 - Monitoring Well and Piezometer Construction Details and Groundwater Elevations prepared by Geosyntec Consultants, dated March 11, 2016 and the November 2020 Groundwater Monitoring Well Install Report prepared by SCS Engineers dated January 22, 2021; ft msl = feet above mean sea level; ft bgs = feet below ground surface

#### 2.2 APRIL 2025 SEMIANNUAL MONITORING EVENT

The April 2025 sampling event followed the groundwater sampling and laboratory analysis procedures outlined in the GWSAP. All monitoring wells were sampled and analyzed for 40 CFR §257 Appendix III constituents, in accordance with 40 CFR §257.94(a). All six wells (MW-1, MW-2, MW-3, MW-4, MW-5, and BW-1) were purged and sampled on April 29, 2025, using disposable PVC bailers. Quality Assurance/Quality Control (QA/QC) samples obtained included one duplicate (DUP). Field forms and laboratory results for this event are provided in **Appendices A & B**, respectively, and summarized in **Table 2**. The Laboratory Review Checklist was reviewed by SCS, and the data was determined to conform to the most current National Environmental Laboratory Accreditation Conference (NELAC) standards.

#### 3.0 RESULTS AND STATISTICAL ANALYSIS

A summary of the April 2025 laboratory results and statistical limits in each well-constituent pair is provided in **Table 2**. Time series graphs of Appendix III constituent concentrations are provided in **Appendix D**. Statistical limits were determined in accordance with 40 CFR §257.93(f-g) and the GWSAP using the software program Sanitas®. Statistical limits for the April 2025 sampling event were determined in the Background Evaluation Report Update completed on October 6, 2023. Statistical limits were presented using Shewhart-CUSUM control charts, non-parametric prediction limits, or parametric prediction limits as deemed appropriate by background data distributions.

Table 2 – April 2025 Sampling Results and Statistical Limits

MW-ID	Constituent	Lab Results	Statistical Limit*
	Boron (mg/L)	1.4	1.661
	Calcium (mg/L)	540	603.5
	Chloride (mg/L)	140	253
MW-1 (D)	pH at 25°C	7.4	6.2 - 8.3
MW-1 (D)	Sulfate (mg/L)	2800	3299
	TDS (mg/L)	4000	5444
	Fluoride (mg/L)	ND	1.2
	Boron (mg/L)	1.8	3.533
	Calcium (mg/L)	600	827.1
	Chloride (mg/L)	1900	3709
MW-2 (D)	pH at 25°C	7.0	6.7 - 7.5
	Sulfate (mg/L)	3500	4671
	TDS (mg/L)	7900	13374
	Fluoride (mg/L)	ND	1.3
	Boron (mg/L)	1.4	1.565
	Calcium (mg/L)	430	697.5
	Chloride (mg/L)	280	595.7
MW-3 (D)	pH at 25°C	6.9	6.5 - 7.3
	Sulfate (mg/L)	2900	3926
	TDS (mg/L)	4800	8507
	Fluoride (mg/L)	ND	0.662
	Boron (mg/L)	5.5	6.58
	Calcium (mg/L)	460	641.8
	Chloride (mg/L)	970	1892
MW-4 (D)	pH at 25°C	7.3	5.7 - 9.1
	Sulfate (mg/L)	3200	3416
	TDS (mg/L)	7100	7432
	Fluoride (mg/L)	ND	0.55
	Boron (mg/L)	3.4	4.5
	Calcium (mg/L)	580	706.6
	Chloride (mg/L)	1400	1986
MW-5 (D)	pH at 25°C	7.3	6.2 - 8.2
	Sulfate (mg/L)	4100	4154
	TDS (mg/L)	6900	9806
	Fluoride (mg/L)	ND	1.139

BW-1 (U)	Boron (mg/L)	4.0	4.837
	Calcium (mg/L)	640	738.4
	Chloride (mg/L)	1200	1502
	pH at 25°C	7.1	6.2 - 7.9
	Sulfate (mg/L)	3100	3770
	TDS (mg/L)	6200	7320
	Fluoride (mg/L)	ND	0.94

<sup>\*</sup>Calculated in October 6, 2023 Background Evaluation Report Update

(U)=upgradient, (D)=downgradient

**Bolded italicized** value indicates that constituent exceeded intrawell statistical limit (unconfirmed SSI) ND=Not detected

No statistically significant increases (SSIs) were indicated for any Appendix III constituents during the April 2025 detection monitoring events at the SCES landfill. Due to the lack of SSIs for Appendix III constituents during the April 2025 detection monitoring event, the facility will continue detection monitoring for all constituents listed in 40 CFR §257 Appendix III during semiannual groundwater monitoring events, in accordance with 40 CFR §257.94(a). The Appendix IV constituent list will be analyzed if any confirmed statistical exceedances of the Appendix III list are indicated in future events. The next planned groundwater monitoring event is the second semiannual detection monitoring event scheduled for the fourth quarter of 2025.

#### 4.0 RECOMMENDATIONS

No SSIs were identified for Appendix III constituents during the 2025 April Semi-Annual detection monitoring events at Sandy Creek Energy Station Coal Combustion Residual Waste Management Facility. SCS recommends that the facility remain in semiannual detection monitoring, in accordance with 40 CFR §257.94. Due to the lack of confirmed SSIs for Appendix III constituents during the April 2025 detection monitoring event, the landfill will continue monitoring for all constituents listed in 40 CFR §257 Appendix III during semiannual groundwater monitoring events, in accordance with 40 CFR §257.94(a). The Appendix IV constituent list will be analyzed if any confirmed statistical exceedances of the Appendix III list are indicated in future events. The next planned groundwater monitoring event is a semiannual detection monitoring event scheduled for the fourth quarter of 2025.

## 5.0 GROUNDWATER FLOW RATE AND DIRECTION CALCULATIONS APRIL 2025

In accordance with 40 CFR Part §257.93(c), the groundwater flow rate and direction in the uppermost aquifer in the area of the existing groundwater monitoring wells were calculated.

#### Flow Rate Calculation

```
Va = \underline{KI} (Driscoll, 1986, Groundwater and Wells)
7.5N
```

Where:

Va = Actual Velocity of Groundwater Flow (ft/day)

K = Hydraulic Conductivity (gpd/ft²)

I = Hydraulic Gradient (ft/ft) N = Effective Porosity (%)

Then:

K =  $2.0 \times 10^{-4}$  cm/sec (geometric mean hydraulic conductivity obtained from slug tests performed by Geosyntec in 2010)

Find K equivalent in units of gpd/ft<sup>2</sup>:

$$(1 \text{ cm/sec} = 21,200 \text{ gallons/day/ft}^2)$$

 $2.0 \times 10^{-4} \text{ cm/sec} \times 21,200 \text{ gallons/day/ft}^2 = 4.24 \text{ gpd/ft}^2$ 

Find I: 
$$\underline{BW-1}$$
 elevation -  $\underline{MW-3}$  elevation:  $\underline{468.87}$  ft -  $\underline{421.22}$  ft = 0.02027 ft/ft distance between wells: 2.350 ft

I = 0.02027 ft/ft (ave. gradient across the site, from April 2025 water levels)
N = 6% (representative effective porosity for clay from Morris and Johnson, 1967)

Therefore:

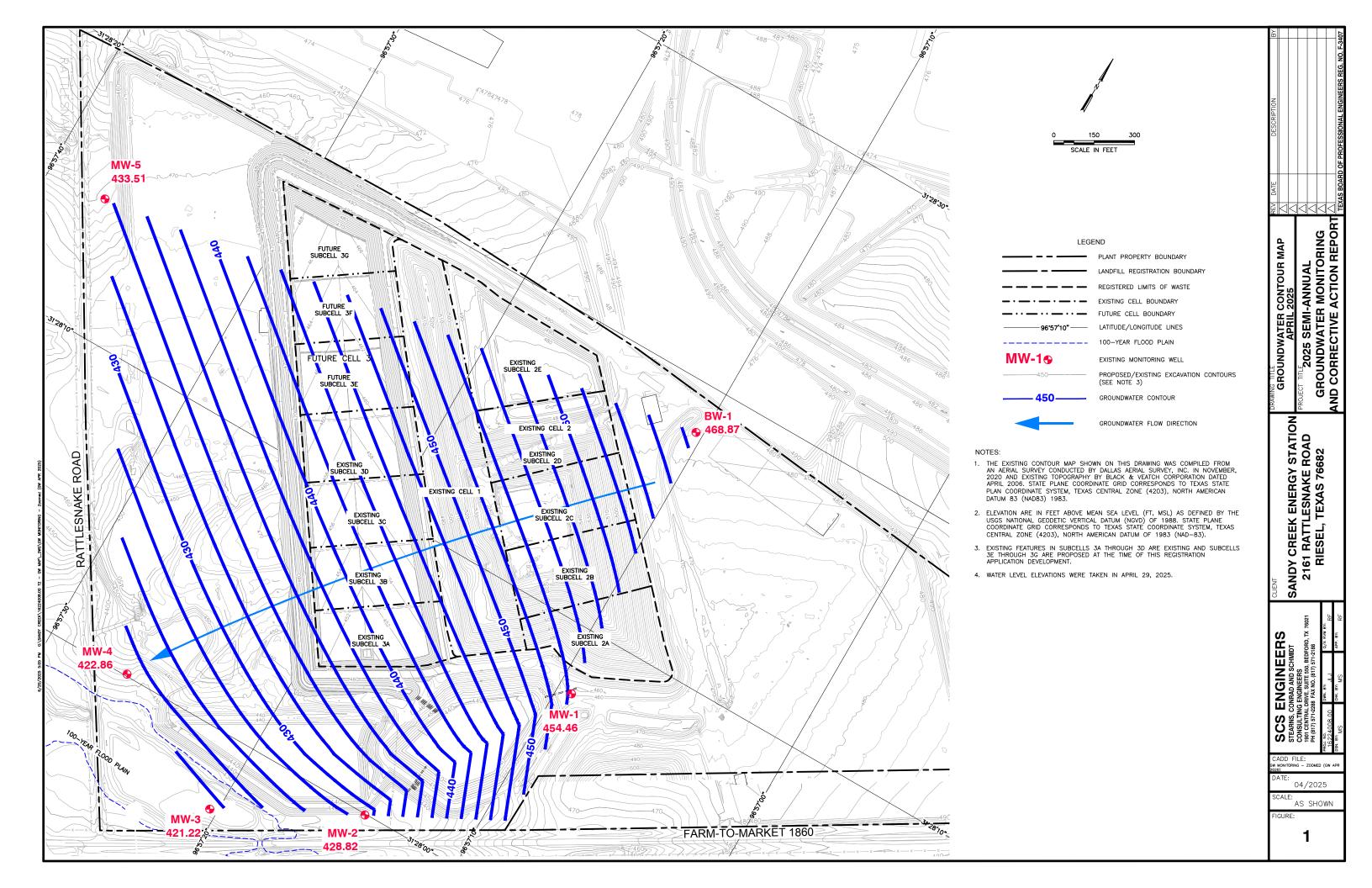
Va = 
$$\frac{4.24 \text{ gpd/ft}^2 \text{ x (0.02027 ft/ft)}}{7.5 (0.06)}$$
 = 0.191 ft/day

(0.191 ft/day)(365 days/year) = 69.72 ft/year

#### Conclusion

The April 2025 site groundwater flow rate was estimated as **69.72 ft/year**. The gradient was measured using BW-1 and MW-3. The April 2025 groundwater flow direction is to the south-southwest. The groundwater flow rate and direction are consistent with conditions previously observed at the site. See **Figure 1** for details, provided in accordance with 40 CFR Part §257.93(c).





## Appendix A

April 2025 Groundwater Monitoring Field Forms

Facility name:	Sandy Creek Energy Station		Facility Type:	Power Station	
Permittee:	Sandy Creek Energy Associ	ates, L.P.	2. Monitor well no.:	BW-1	
County:	McLennan		3. Date of sampling:	4/29/2025	
Name of sample	er: M	lorgan S.	Most recent previous	sampling: <u>12/2/2024</u>	
Affiliation of san	npler: SCS Enginee	rs	Date of water level me	easurements: <u>4/29/2025</u>	
If split sampled,	with whom? N/A		Datum reference poin	t: Top of Casing	
Integrity of well:	Good		Datum elevation*:	485.57	
Installation date	9/22/2015		Depth to water(below	datum)*:16.70	
			4. Water level elevation	on*: 468.87	
5 Purging/Sar	mpling method: Bailer	(Enter bailer or pump)	11. Sample event: De	etection	
	ow methods used?  yes	`	- Backgrou		
	•	N/A gal.	- Detection		
-	es purged: 3.0	<del> </del>	- Assessment		
	ell dry before purging?  yes	■ no (check one)	12. Sample schedule: Semi-Annual		
	ell dry after purging?  yes	<u> </u>	- Quarterly		
	efore sampling? 4	,	•	nual - Other	
10. Unit of mea		value as days, hours, or mins.)	- Annual		
	,	, ,	13. Sample type: Re	egular	
			- Regular	- Split	
			- Duplicate	e - Other	
Field Measurer	ments:		- Resampl	e	
	14. pH	7.12			
	15. Spec. cond.	6.65	16. <b>■</b> mS/cm		
	17. Temp.	23.10	18. □ F or <b>■</b>	C (check one)	
	19. Turbidity	30.3	20. <b>■</b> NTU		
Laboratory:					
21. Na	me Eurofins Dallas		Ph	none: (214) 902-0300	
Add	dress: 9701 Harry Hines E	Blvd			
Re	presentative's Signature: <u>4</u> M	the fattle	Date: <u>6/1</u>	0/25	
Site	e Operator's Signature:		Date:		
				<del> </del>	

<sup>\*</sup> Report depth to water and elevations to nearest 0.01 foot relative to mean sea level (msl).

Facility name:	Sandy Creek Energy Station		<ol> <li>Facility Type:</li> </ol>	Power Station	
Permittee:	Sandy Creek Energy Associa	ates, L.P.	2. Monitor well no.:	MW-1	
County:	McLennan		3. Date of sampling:	4/29/2025	
				11 40/0/0004	
Name of sample		organ S.	Most recent previous	. 9	
Affiliation of sam		rs		easurements: <u>4/29/2025</u>	
If split sampled, with whom? N/A				t: Top of Casing	
Integrity of well:			Datum elevation*:		
Installation date	9/21/2015		Depth to water(below	datum)*: 11.41	
			Water level elevation	on*: 454.46	
5. Purging/San	npling method: Bailer	(Enter bailer or pump)	11. Sample event: De	etection	
Were low-flo	ow methods used?  yes	no (check one)	- Backgrou	und - Corrective Action	
If yes, wh	nat volume was purged?	N/A gal.	- Detection	n - Other	
6. Well volume	es purged: 2.0		- Assessm	nent	
7. Was the we	Il dry before purging? ☐yes	no (check one)	12. Sample schedule: Semi-Annual		
8. Was the we	ll dry after purging? ■ yes	☐ no (check one)	- Quarterly	- Fourth Year	
9. How long be	efore sampling? 3.5		- Semi-An	nual - Other	
10. Unit of meas	sure? hours (Enter	value as days, hours, or mins.)	- Annual		
	,		13. Sample type: Re	egular	
			- Regular	- Split	
			- Duplicate	e - Other	
Field Measuren	nents:		- Resampl	e	
	14. pH	7.36	·		
	15. Spec. cond.	3.63	16. <b>■</b> mS/cm		
	17. Temp.	22.90	18.	C (check one)	
	19. Turbidity	13.6		,	
Laboratory:	•				
21. Nar	ne Eurofins Dallas		Pł	none: (214) 902-0300	
	dress: 9701 Harry Hines E	Blvd			
	<u> </u>				
Rep	presentative's Signature: 4M	to lately	Date: <u>6/10</u>	0/25	
Site	e Operator's Signature:		Date:	<del></del>	

<sup>\*</sup> Report depth to water and elevations to nearest 0.01 foot relative to mean sea level (msl).

Facility name:	Sandy Creek Energy Station		<ol> <li>Facility Type:</li> </ol>	Power Station	
Permittee:	Sandy Creek Energy Associa	ates, L.P.	2. Monitor well no.:	MW-2	
County:	McLennan		3. Date of sampling:	4/29/2025	
Name of sample	er: M	organ S.	Most recent previous	sampling: 12/2/2024	
•	Affiliation of sampler: SCS Engineers		•	neasurements: 4/29/2025	
	f split sampled, with whom? N/A			nt: Top of Casing	
Integrity of well:	Good		Datum elevation*:		
Installation date			Depth to water(below		
			4. Water level elevati	•	
5. Purging/Sar	mpling method: Bailer	(Enter bailer or pump)	11. Sample event: D	etection	
0 0	ow methods used?  yes	no (check one)	- Backgro		
	•	N/A gal.	- Detectio		
6. Well volume	es purged: 2.8		- Assessr	ment	
7. Was the we	Il dry before purging? □yes	no (check one)	12. Sample schedule: Semi-Annual		
8. Was the we	Il dry after purging? ■ yes	☐ no (check one)	- Quarterl	y - Fourth Year	
9. How long be	efore sampling?3		- Semi-Annual - Other		
10. Unit of meas	sure? hours (Enter	value as days, hours, or mins.)	- Annual		
			13. Sample type: R	egular	
			- Regular	- Split	
			- Duplicat	e - Other	
Field Measurer	ments:		- Resamp	ole	
	14. pH	6.71			
	15. Spec. cond.	9.91	16. <b>■</b> mS/cm		
	17. Temp.	22.50	18. <b>□</b> F or <b>■</b>	C (check one)	
	19. Turbidity	41.1	20. <b>■</b> NTU		
Laboratory:					
21. Nar	me Eurofins Dallas		P	hone: (214) 902-0300	
Add	dress: 9701 Harry Hines E	Blvd			
Rep	presentative's Signature: ﴿كُلِيَا	to fatel	Date: <u>6/1</u>	0/25	
Site	e Operator's Signature:		Date:		

<sup>\*</sup> Report depth to water and elevations to nearest 0.01 foot relative to mean sea level (msl).

Facility name:	Sandy Creek Energy Station		Facility Type:	Power Station	
Permittee:	Sandy Creek Energy Associa	tes, L.P.	2. Monitor well no.:	MW-3	
County:	McLennan		3. Date of sampling:	4/29/2025	
Name of sample	er: Mo	organ S.	Most recent previous	sampling: <u>12/2/2024</u>	
Affiliation of san	ffiliation of sampler: SCS Engineers		Date of water level m	neasurements: 4/29/2025	
If split sampled,	with whom? N/A		Datum reference poi	nt: Top of Casing	
Integrity of well:	Good		Datum elevation*:	430.06	
Installation date	9/1/2010		Depth to water(below	/ datum)*: 8.84	
			4. Water level elevat	ion*: 421.22	
5. Purging/Sar	mpling method: <u>Bailer</u>	(Enter bailer or pump)	11. Sample event: <u>D</u>	etection	
Were low-flo	ow methods used?   yes	no (check one)	- Backgro	ound - Corrective Action	
If yes, wh	nat volume was purged?	N/A gal.	- Detection	on - Other	
6. Well volume	es purged: 3.0		- Assessr	ment	
7. Was the we	Il dry before purging? □yes	no (check one)	12. Sample schedule: Semi-Annual		
8. Was the we	ll dry after purging? ☐ yes	no (check one)	- Quarter	ly - Fourth Year	
9. How long be	efore sampling?4		- Semi-Ar	nnual - Other	
10. Unit of meas	sure? hours (Enter	value as days, hours, or mins.)	- Annual		
			13. Sample type: R	legular	
			- Regular	- Split	
			- Duplicat	te - Other	
Field Measurer	ments:		- Resamp	ole	
	14. pH	6.71			
	15. Spec. cond.	4.94	16. <b>■</b> mS/cm		
	17. Temp.	22.80	18. <b>□</b> F or <b>■</b>	C (check one)	
	19. Turbidity	12.9	20. ■NTU		
Laboratory:					
21. Nar	me Eurofins Dallas		P	hone: (214) 902-0300	
Add	dress: 9701 Harry Hines B	vd			
Rep	presentative's Signature: Anti	o fatto	Date: <u>_6/</u>	10/25	
Site	e Operator's Signature:		Date:		
	· · · · · · · · · · · · · · · · · · ·				

<sup>\*</sup> Report depth to water and elevations to nearest 0.01 foot relative to mean sea level (msl).

Facility name:	Sandy Creek Energy Station		Facility Type:	Power Station	
Permittee:	Sandy Creek Energy Associa	ates, L.P.	2. Monitor well no.:	MW-4	
County:	McLennan		3. Date of sampling:	4/29/2025	
		_			
Name of sample		organ S.	Most recent previous	. •	
Affiliation of sam	npler: SCS Engineer	S	Date of water level m		
If split sampled,	f split sampled, with whom? N/A			nt: Top of Casing	
Integrity of well:	Good		Datum elevation*:	436.91	
Installation date:	: 11/2/2020		Depth to water(below	/ datum)*: 14.05	
			4. Water level elevati	on*: 422.86	
5. Purging/San	npling method: Bailer	(Enter bailer or pump)	11. Sample event: D	etection	
	ow methods used?  yes	no (check one)	- Backgro		
	•	—	- Detectio		
-	es purged: 2.6	<u>_</u>	- Assessment		
	Il dry before purging? □yes	no (check one)	12. Sample schedule: Semi-Annual		
	Il dry after purging? ■ yes		- Quarterly - Fourth Year		
	efore sampling? 3	,	- Semi-Ar	nnual - Other	
10. Unit of meas		value as days, hours, or mins.)	- Annual		
		•	13. Sample type: R	egular	
			- Regular	- Split	
			- Duplicat	e - Other	
Field Measuren	nents:		- Resamp	ole	
	14. pH	7.13	·		
	15. Spec. cond.	7.16	16. <b>■</b> mS/cm		
	17. Temp.	22.70	18. <b>□</b> F or <b>■</b>	C (check one)	
	19. Turbidity	38.8	20. <b>■</b> NTU	,	
Laboratory:	·				
21. Nar	me Eurofins Dallas		Р	hone: (214) 902-0300	
Add	dress: 9701 Harry Hines B	lvd			
Rep	presentative's Signature: 4nd	to latto	Date: <u>6/1</u>	0/25	
			Dotai		
Site	e Operator's Signature:		Date:	<del></del>	

<sup>\*</sup> Report depth to water and elevations to nearest 0.01 foot relative to mean sea level (msl)

Facility name:	Sandy Creek Energy Station		1. Facility Type: Power Station		
Permittee:	Permittee: Sandy Creek Energy Associates, L.P.		2. Monitor well no.: MW-5		
County:	McLennan		3. Date of sampling: 4/29/2025		
		_			
Name of sample	er: Mo	organ S.	Most recent previous sampling: 12/2/2024		
Affiliation of san	npler: SCS Engineer	rs	Date of water level measurements: 4/29/2025	5	
If split sampled,	with whom? N/A		Datum reference point: Top of Casing		
Integrity of well:	Good		Datum elevation*: 454.52		
Installation date	: 11/2/2020		Depth to water(below datum)*: 21.01		
			4. Water level elevation*: 433.51		
5 Purging/Sar	mpling method: Bailer	(Enter bailer or pump)	11. Sample event: Detection		
	ow methods used?  yes	no (check one)	- Background - Corrective Action		
	•	V/A gal.	- Detection - Other	•	
-	es purged: 3.0	<del>v// g</del> ai.	- Assessment		
	Il dry before purging? □yes	■ no (check one)	12. Sample schedule: Semi-Annual		
	Il dry after purging? □yes		- Quarterly - Fourth Year		
	efore sampling? 4		- Semi-Annual - Other		
10. Unit of meas	. •	value as days, hours, or mins.)	- Annual		
		, , , ,	13. Sample type: Regular		
			- Regular - Split		
			- Duplicate - Other		
Field Measurer	ments:		- Resample		
	14. pH	7.13	*		
	15. Spec. cond.	8.48	16. <b>■</b> mS/cm		
	17. Temp.	23.10	18. ☐ F or ■ C (check one)		
	19. Turbidity	10.4	20. <b>■</b> NTU		
Laboratory:					
21. Nar	me Eurofins Dallas		Phone: (214) 902-0300		
Add	dress: 9701 Harry Hines B	lvd			
Rep	presentative's Signature: Anti	to lately	Date: 6/10/25		
C#-	e Operator's Signature:		Date:		
Site	operator a digitature.		Date		

<sup>\*</sup> Report depth to water and elevations to nearest 0.01 foot relative to mean sea level (msl).

Facility name:	Sandy Creek Energy Station		<ol> <li>Facility Type:</li> </ol>	Power Station	
Permittee:	Sandy Creek Energy Associa	ites, L.P.	2. Monitor well no.:	DUP	
County:	McLennan		3. Date of sampling:	4/29/2025	
Name of sample	er: Mo	organ S.	Most recent previous	sampling: <u>N/A</u>	
Affiliation of san	npler: SCS Engineer	s	Date of water level m	neasurements: N/A	
If split sampled,	f split sampled, with whom? N/A			nt: Top of Casing	
Integrity of well:	N/A		Datum elevation*:	N/A	
Installation date	: <u>N/A</u>		Depth to water(below	/ datum)*: N/A	
			4. Water level elevat	ion*: N/A	
5. Purging/Sar	mpling method: N/A	(Enter bailer or pump)	11. Sample event: <u>D</u>	etection	
Were low-flo	ow methods used? ☐ yes	□ no (check one)	- Backgro	ound - Corrective Action	
If yes, wh	hat volume was purged?	N/A gal.	- Detection	on - Other	
6. Well volume	es purged: N/A		- Assessr	ment	
7. Was the we	ll dry before purging? ☐yes	□ no (check one)	12. Sample schedule: Semi-Annual		
8. Was the we	ll dry after purging? ☐ yes	□ no (check one)	- Quarter	y - Fourth Year	
9. How long be	efore sampling? N/A		- Semi-Annual - Other		
10. Unit of meas	sure? N/A (Enter v	value as days, hours, or mins.)	- Annual		
			13. Sample type: D	uplicate	
			- Regular	- Split	
			- Duplicat	te - Other	
Field Measurer	ments:		- Resamp	ole	
	14. pH	N/A			
	15. Spec. cond.	N/A	16. ☐ mS/cm		
	17. Temp.	N/A	18.	C (check one)	
	19. Turbidity	N/A	20. □NTU		
Laboratory:					
21. Naı	me Eurofins Dallas		P	hone: (214) 902-0300	
Add	dress: 9701 Harry Hines B	lvd			
Repres	sentative's Signature: 4 Amort	atel	Date: 6/10/25		
Site Op	perator's Signature:		Date:		

<sup>\*</sup> Report depth to water and elevations to nearest 0.01 foot relative to mean sea level (msl).

# Appendix B April 2025 Laboratory Reports with Chain of Custody Forms

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## **ANALYTICAL REPORT**

### PREPARED FOR

Attn: Asher Boudreaux SCS Engineers 1901 Central Avenue Suite 550 Bedford, Texas 76021

Generated 5/9/2025 10:23:33 AM

## JOB DESCRIPTION

Sandy Creek Groundwater

## **JOB NUMBER**

870-35866-1

Eurofins Dallas 9701 Harry Hines Blvd Dallas TX 75220



## **Eurofins Dallas**

#### **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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

### **Authorization**

Generated 5/9/2025 10:23:33 AM

Authorized for release by Anita Patel, Project Manager Anita.Patel@et.eurofinsus.com (832)776-2275

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#### **Definitions/Glossary**

Client: SCS Engineers Job ID: 870-35866-1

Project/Site: Sandy Creek Groundwater

#### **Qualifiers**

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п	М	ш	<u>ا</u>	ч	u

Qualifier **Qualifier Description** 

F1 MS and/or MSD recovery exceeds control limits.

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

**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.

**General Chemistry** 

Qualifier **Qualifier Description** 

HF Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

**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

Duplicate Error Ratio (normalized absolute difference) DER

Dil Fac **Dilution Factor** 

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)

FDI 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)

Method Detection Limit MDI Minimum Level (Dioxin) ML MPN Most Probable Number Method Quantitation Limit MOI

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent POS Positive / Present

**PQL Practical Quantitation Limit** 

**PRES** Presumptive QC **Quality Control** 

**RER** Relative Error Ratio (Radiochemistry)

RI Reporting Limit or Requested Limit (Radiochemistry)

**RPD** Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TEF **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

**Eurofins Dallas** 

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#### **Case Narrative**

Client: SCS Engineers

Project: Sandy Creek Groundwater

Job ID: 870-35866-1 Eurofins Dallas

#### Job Narrative 870-35866-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 4/30/2025 3:35 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 3.9°C.

#### HPLC/IC

Method 9056A\_ORGFM\_28D: The matrix spike duplicate (MSD) recoveries for Fluorideanalytical batch 860-233119 was outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 9056A\_ORGFM\_28D: The continuing calibration blank (CCB) for analytical batch 860-233119 contained Chloride above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 9056A\_ORGFM\_28D: The continuing calibration blank (CCB) for analytical batch 860-233119 contained Chloride and Sulfate above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 9056A\_ORGFM\_28D: The following samples were diluted due to the nature of the sample matrix: BW-1 (870-35866-1), MW-2 (870-35866-3), MW-3 (870-35866-4), MW-4 (870-35866-5), MW-5 (870-35866-6) and DUP (870-35866-7). Elevated reporting limits (RLs) are provided.

Method 9056A\_ORGFM\_28D: The following samples were diluted to bring the concentration of Sulfate within the calibration range: BW-1 (870-35866-1), MW-1 (870-35866-2), MW-3 (870-35866-4), MW-4 (870-35866-5) and DUP (870-35866-7). Elevated reporting limits (RLs) are provided.

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

#### Metals

Method 6020B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-233174 and analytical batch 860-233875 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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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Job ID: 870-35866-1

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#### **Client Sample Results**

Client: SCS Engineers

Project/Site: Sandy Creek Groundwater

Client Sample ID: BW-1

Lab Sample ID: 870-35866-1

Lab Sample ID: 870-35866-2

**Matrix: Water** 

Matrix: Water

Job ID: 870-35866-1

Date Collected: 04/29/25 16:40 Date Received: 04/30/25 15:35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		1.3	1.3	mg/L			05/02/25 23:04	5
Fluoride	ND		0.50	0.50	mg/L			05/02/25 23:04	5
Method: SW846 9056A - Anions, lo	n Chromatog	graphy - DL							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	3100		10	10	mg/L			05/02/25 23:11	50
Method: SW846 6020B - Metals (ICF	P/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	4.0		0.080	0.080	mg/L		05/02/25 11:23	05/06/25 15:11	20
Calcium	640		0.60	0.60	mg/L		05/02/25 11:23	05/06/25 15:11	20
General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	7.1	HF			SU			05/08/25 19:18	1
Temperature (SW846 9040C)	14.8	HF			Degrees C			05/08/25 19:18	1
Corrosivity (SW846 9040C)	7.1	HF			SU			05/08/25 19:18	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	6200		20	20	mg/L			05/06/25 13:57	1

Client Sample ID: MW-1

Date Collected: 04/29/25 17:05

Date Received: 04/30/25 15:35

Method: SW846 9056A - Anions, lor	n Chromato	graphy							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		0.50	0.25	mg/L			05/02/25 23:33	1
Fluoride	ND		0.50	0.10	mg/L			05/02/25 23:33	1
Method: SW846 9056A - Anions, Ior	n Chromato	graphy - DL							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2800		2.0	2.0	mg/L			05/02/25 23:41	10
Method: SW846 6020B - Metals (ICF	P/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1.4		0.20	0.20	mg/L		05/02/25 11:23	05/06/25 14:57	50
Calcium	540		1.5	1.5	mg/L		05/02/25 11:23	05/06/25 14:57	50
General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	7.4	HF			SU			05/08/25 19:27	1
Temperature (SW846 9040C)	15.1	HF			Degrees C			05/08/25 19:27	1
Corrosivity (SW846 9040C)	7.4	HF			SU			05/08/25 19:27	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4000		20	20	mg/L			05/06/25 13:57	

Job ID: 870-35866-1

Project/Site: Sandy Creek Groundwater

**Client Sample ID: MW-2** 

Client: SCS Engineers

Date Collected: 04/29/25 17:30 Date Received: 04/30/25 15:35 Lab Sample ID: 870-35866-3

Matrix: Water

Method: SW846 9056A - Anions, I	on Chromato	graphy							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1900		2.5	2.5	mg/L			05/02/25 23:48	10
Fluoride	ND		1.0	1.0	mg/L			05/02/25 23:48	10
Sulfate	3500		2.0	2.0	mg/L			05/02/25 23:48	10
Method: SW846 6020B - Metals (I	CP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1.8		0.080	0.080	mg/L		05/02/25 11:23	05/06/25 15:14	20
Calcium	600		0.60	0.60	mg/L		05/02/25 11:23	05/06/25 15:14	20
General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	7.0	HF			SU			05/08/25 19:25	1
Temperature (SW846 9040C)	14.1	HF			Degrees C			05/08/25 19:25	1
Corrosivity (SW846 9040C)	7.0	HF			SU			05/08/25 19:25	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	7900		50	50	mg/L			05/06/25 13:57	1

**Client Sample ID: MW-3** Lab Sample ID: 870-35866-4

Date Collected: 04/29/25 15:35

Date Received: 04/30/25 15:35

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		1.3	1.3	mg/L			05/03/25 00:03	5
Fluoride	ND		0.50	0.50	mg/L			05/03/25 00:03	5
Method: SW846 9056A - Anions, Io	n Chromatog	graphy - DL							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2900		10	10	mg/L			05/03/25 00:10	50
Method: SW846 6020B - Metals (ICF	P/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1.4		0.080	0.080	mg/L		05/02/25 11:23	05/06/25 15:08	20
Calcium	430		0.60	0.60	mg/L		05/02/25 11:23	05/06/25 15:08	20
General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	6.9	HF			SU			05/08/25 19:23	1
Temperature (SW846 9040C)	13.9	HF			Degrees C			05/08/25 19:23	1
Corrosivity (SW846 9040C)	6.9	HF			SU			05/08/25 19:23	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4800		20	20	mg/L			05/06/25 13:57	

Client Sample ID: MW-4 Lab Sample ID: 870-35866-5

Date Collected: 04/29/25 18:00

Date Received: 04/30/25 15:35

Method: SW846 9056A - A	Anions, Ion Chromatogra	aphy						
Analyte	Result Q	ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	970	1.3	1.3	mg/L	<del></del> _		05/03/25 00:18	5
Fluoride	ND	0.50	0.50	ma/l			05/03/25 00:18	5

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**Matrix: Water** 

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Job ID: 870-35866-1

Project/Site: Sandy Creek Groundwater

Client Sample ID: MW-4

Client: SCS Engineers

Date Collected: 04/29/25 18:00 Date Received: 04/30/25 15:35

Lab Sample ID: 870-35866-5

**Matrix: Water** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	3200		10	10	mg/L			05/03/25 00:25	50
Method: SW846 6020B - Metals (ICI	P/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	5.5		0.20	0.20	mg/L		05/02/25 11:23	05/06/25 15:00	50
Calcium	460		1.5	1.5	mg/L		05/02/25 11:23	05/06/25 15:00	50
General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	7.3	HF			SU			05/08/25 19:21	1
Temperature (SW846 9040C)	14.1	HF			Degrees C			05/08/25 19:21	1
Corrosivity (SW846 9040C)	7.3	HF			SU			05/08/25 19:21	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	7100		20	20	mg/L			05/06/25 13:57	1

Client Sample ID: MW-5

Date Collected: 04/29/25 16:10

Date Received: 04/30/25 15:35

Analyte

Method: SW846 9056A - Anions, Ion Chromatography

Result Qualifier

Result Qualifier

_ab	Sam	ple	ID:	870	0-35	866-6	

L Matrix: Water

Analyzed

Prepared

Chloride	1400		2.5	2.5	mg/L			05/03/25 00:32	10
Fluoride	ND		1.0	1.0	mg/L			05/03/25 00:32	10
Sulfate	4100		2.0	2.0	mg/L			05/03/25 00:32	10
Method: SW846 6020B - Metals (IC	P/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	3.4		0.080	0.080	mg/L		05/02/25 11:23	05/06/25 15:03	20
Calcium	580		0.60	0.60	mg/L		05/02/25 11:23	05/06/25 15:03	20
- General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	7.3	HF			SU			05/08/25 19:32	1
Temperature (SW846 9040C)	15.3	HF			Degrees C			05/08/25 19:32	1
Corrosivity (SW846 9040C)	7.3	HF			SU			05/08/25 19:32	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	6900		50	50	mg/L			05/06/25 13:57	1

RL

MDL Unit

MDL Unit

D

Prepared

**Client Sample ID: DUP** 

Analyte

Date Collected: 04/29/25 15:40

Date Received: 04/30/25 15:35

Method: SW846 9056A - Anions, Ion Chromatography

Lab Sample	ID: 870-35866-7
	Matrix: Water

Analyzed Dil Fac

Sulfate	2900		10	10	mg/L			05/03/25 01:09	50
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 9056A - Ani	ons, Ion Chromatog	graphy - DL							
Fluoride	ND		0.50	0.50	mg/L			05/03/25 01:02	5
Chloride	280		1.3	1.3	mg/L			05/03/25 01:02	5

RL

**Eurofins Dallas** 

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Dil Fac

5/9/2025

### **Client Sample Results**

Client: SCS Engineers Job ID: 870-35866-1

Project/Site: Sandy Creek Groundwater

Client Sample ID: DUP

Lab Sample ID: 870-35866-7

Analyzed

05/06/25 13:57

Prepared

Matrix: Water

Date Collected: 04/29/25 15:40 Date Received: 04/30/25 15:35

Total Dissolved Solids (SM 2540C)

Analyte

Method: SW846 6020B - Metals (I	CP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1.2		0.080	0.080	mg/L		05/02/25 11:23	05/06/25 15:05	20
Calcium	460		0.60	0.60	mg/L		05/02/25 11:23	05/06/25 15:05	20
General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	6.9	HF			SU			05/08/25 19:19	1
Temperature (SW846 9040C)	14.7	HF			Degrees C			05/08/25 19:19	1
Corrosivity (SW846 9040C)	6.9	HF			SU			05/08/25 19:19	1

20

RL Unit

20 mg/L

Result Qualifier

5000

7

ð

10

Dil Fac

11

4

Prep Type: Total/NA

#### Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 860-233119/5

**Matrix: Water** 

Analysis Batch: 233119

Client: SCS Engineers

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

MB MB Analyte Result Qualifier RL MDL Unit D Prepared Dil Fac Analyzed Chloride ND 0.50 0.25 mg/L 05/02/25 09:54 Fluoride ND 0.50 0.10 mg/L 05/02/25 09:54 Sulfate ND 0.50 0.20 mg/L 05/02/25 09:54

Lab Sample ID: MB 860-233119/74 Client Sample ID: Method Blank

**Matrix: Water** 

Analysis Batch: 233119

	MB N	ИB						
Analyte	Result C	Qualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND ND	0.50	0.25	mg/L			05/02/25 19:16	1
Fluoride	ND	0.50	0.10	mg/L			05/02/25 19:16	1
Sulfate	ND	0.50	0.20	mg/L			05/02/25 19:16	1

Lab Sample ID: LCS 860-233119/75 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 233119

LCS LCS %Rec Spike Analyte Added Result Qualifier Unit D %Rec Limits Chloride 10.0 9.95 mg/L 99 90 - 110 Fluoride 10.0 10.4 104 90 - 110 mg/L Sulfate 10.0 10.1 mg/L 101 90 - 110

Lab Sample ID: LCSD 860-233119/76 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

**Matrix: Water** 

Analysis Batch: 233119

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	10.0	9.89		mg/L		99	90 - 110	1	20	
Fluoride	10.0	10.3		mg/L		103	90 - 110	0	20	
Sulfate	10.0	10.1		mg/L		101	90 - 110	0	20	

**Client Sample ID: Lab Control Sample** Lab Sample ID: LLCS 860-233119/9 Prep Type: Total/NA

**Matrix: Water** 

Analysis Batch: 233119

-	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	0.500	0.614		mg/L		123	50 - 150	
Fluoride	0.500	0.445	J	mg/L		89	50 - 150	
Sulfate	0.500	0.688		mg/L		138	50 - 150	

Lab Sample ID: 880-57601-D-1 MS Client Sample ID: Matrix Spike **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 233119

%Rec Spike MS MS Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 10 10.0 20.5 mg/L 105 90 - 110 Fluoride 0.84 F1 10.0 9.89 mg/L 90 90 - 110 Sulfate 1.6 10.0 12.0 mg/L 105 90 - 110

**Eurofins Dallas** 

Client: SCS Engineers Job ID: 870-35866-1

Project/Site: Sandy Creek Groundwater

#### Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-57601-D-1 MSD

Analysis Batch: 233119

Client Sample ID: Matrix Spike Duplicate **Matrix: Water** Prep Type: Total/NA

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier RPD Analyte Added Result Qualifier Unit %Rec Limits Limit Chloride 10 10.0 20.5 mg/L 105 90 - 110 0 15 Fluoride 0.84 F1 10.0 9.71 F1 mg/L 89 90 - 110 2 15 Sulfate 1.6 10.0 12.0 mg/L 90 - 110 105 0 15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-233174/1-A Client Sample ID: Method Blank

**Matrix: Water** 

**Analysis Batch: 233875** 

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.010	0.0040	mg/L		05/02/25 11:22	05/06/25 14:14	1
Calcium	ND		0.10	0.030	mg/L		05/02/25 11:22	05/06/25 14:14	1

**Client Sample ID: Lab Control Sample** Lab Sample ID: LCS 860-233174/2-A Prep Type: Total/NA

**Matrix: Water** 

Analysis Batch: 233875

	Sį	oike LC	S LCS				%Rec	
Analyte	Ad	ded Resu	t Qualifier	Unit	D	%Rec	Limits	
Boron	0.	100 0.091	9	mg/L	_	92	80 - 120	
Calcium	2	2.50 2.4	6	mg/L		99	80 - 120	

Lab Sample ID: LCSD 860-233174/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA Analysis Batch: 233875 Prep Batch: 233174 Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Limits RPD Limit Unit %Rec Boron 0.100 0.0966 97 80 - 120 20 mg/L

Lab Sample ID: 880-57530-Z-3-A MS Client Sample ID: Matrix Spike

2.42

mg/L

2.50

**Matrix: Water** 

Calcium

Analysis Batch: 233875

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Boron	40	^+	0.100	37.0	4	mg/L		-2571	75 - 125	
Calcium	2000		2.50	1780	4	mg/L		-1006	75 - 125	
								2		

Lab Sample ID: 880-57530-AA-3-A MSD Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

**Matrix: Water** 

Analysis Batch: 233875

Alialysis balcii. 233075									Prep :	Salcii. 2	33174
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Boron	40	^+	0.100	42.1	4	mg/L		2555	75 - 125	13	20
Calcium	2000		2.50	1960	4	mg/L		-3025	75 - 125	9	20

**Eurofins Dallas** 

5/9/2025

Prep Type: Total/NA **Prep Batch: 233174** 

97

80 - 120

Prep Type: Total/NA **Prep Batch: 233174** 

**Prep Batch: 233174** 

Job ID: 870-35866-1

Prep Type: Total/NA

Project/Site: Sandy Creek Groundwater

Method: 9040C - pH

Client: SCS Engineers

Lab Sample ID: 860-99827-H-1 DU **Client Sample ID: Duplicate** Prep Type: Total/NA

**Matrix: Water** 

Analysis Batch: 234708

	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
рН	7.2		7.2		SU		0.7	20
Temperature	12.9		13.9		Degrees C		7	20
Corrosivity	7.2		7.2		SU		0.7	

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

Lab Sample ID: MB 870-28329/1 Client Sample ID: Method Blank

**Matrix: Water** 

Analysis Batch: 28329

MR MR

	111.0	11.0								
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total Dissolved Solids	ND		2.5	2.5	mg/L			05/06/25 13:57	1	

Lab Sample ID: LCS 870-28329/2 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 28329

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Dissolved Solids	1000	1020		mg/L		102	80 - 120	 

Lab Sample ID: LCSD 870-28329/3 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 28329** 

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Total Dissolved Solids	 1000	1010		mg/L		101	80 - 120	1	10

Lab Sample ID: 870-35866-1 DU Client Sample ID: BW-1 Prep Type: Total/NA

**Matrix: Water** 

Analysis Batch: 28329

-	Sample	Sample	DU	DU					RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D		RPD	Limit
Total Dissolved Solids	6200		6330		mg/L			2	10

Lab Sample ID: 870-35866-2 DU Client Sample ID: MW-1 Prep Type: Total/NA

**Matrix: Water** 

Analysis Batch: 28329

	Sample	Sample	DU	DU					RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	, L	Limit
Total Dissolved Solids	4000		3930		ma/L				10

**Eurofins Dallas** 

5/9/2025

## **QC Association Summary**

Client: SCS Engineers Job ID: 870-35866-1

Project/Site: Sandy Creek Groundwater

#### HPLC/IC

#### Analysis Batch: 233119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-35866-1	BW-1	Total/NA	Water	9056A	
870-35866-1 - DL	BW-1	Total/NA	Water	9056A	
870-35866-2	MW-1	Total/NA	Water	9056A	
870-35866-2 - DL	MW-1	Total/NA	Water	9056A	
870-35866-3	MW-2	Total/NA	Water	9056A	
870-35866-4	MW-3	Total/NA	Water	9056A	
870-35866-4 - DL	MW-3	Total/NA	Water	9056A	
870-35866-5	MW-4	Total/NA	Water	9056A	
870-35866-5 - DL	MW-4	Total/NA	Water	9056A	
870-35866-6	MW-5	Total/NA	Water	9056A	
870-35866-7	DUP	Total/NA	Water	9056A	
870-35866-7 - DL	DUP	Total/NA	Water	9056A	
MB 860-233119/5	Method Blank	Total/NA	Water	9056A	
MB 860-233119/74	Method Blank	Total/NA	Water	9056A	
LCS 860-233119/75	Lab Control Sample	Total/NA	Water	9056A	
LCSD 860-233119/76	Lab Control Sample Dup	Total/NA	Water	9056A	
LLCS 860-233119/9	Lab Control Sample	Total/NA	Water	9056A	
880-57601-D-1 MS	Matrix Spike	Total/NA	Water	9056A	
880-57601-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	

#### **Metals**

#### Prep Batch: 233174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
870-35866-1	BW-1	Total/NA	Water	3010A	
870-35866-2	MW-1	Total/NA	Water	3010A	
870-35866-3	MW-2	Total/NA	Water	3010A	
870-35866-4	MW-3	Total/NA	Water	3010A	
870-35866-5	MW-4	Total/NA	Water	3010A	
870-35866-6	MW-5	Total/NA	Water	3010A	
870-35866-7	DUP	Total/NA	Water	3010A	
MB 860-233174/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-233174/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-233174/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
880-57530-Z-3-A MS	Matrix Spike	Total/NA	Water	3010A	
880-57530-AA-3-A MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

#### Analysis Batch: 233875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-35866-1	BW-1	Total/NA	Water	6020B	233174
870-35866-2	MW-1	Total/NA	Water	6020B	233174
870-35866-3	MW-2	Total/NA	Water	6020B	233174
870-35866-4	MW-3	Total/NA	Water	6020B	233174
870-35866-5	MW-4	Total/NA	Water	6020B	233174
870-35866-6	MW-5	Total/NA	Water	6020B	233174
870-35866-7	DUP	Total/NA	Water	6020B	233174
MB 860-233174/1-A	Method Blank	Total/NA	Water	6020B	233174
LCS 860-233174/2-A	Lab Control Sample	Total/NA	Water	6020B	233174
LCSD 860-233174/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	233174
880-57530-Z-3-A MS	Matrix Spike	Total/NA	Water	6020B	233174
880-57530-AA-3-A MSD	Matrix Spike Duplicate	Total/NA	Water	6020B	233174

5/9/2025

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**Eurofins Dallas** 

## **QC Association Summary**

Client: SCS Engineers Job ID: 87

Project/Site: Sandy Creek Groundwater

#### **General Chemistry**

#### Analysis Batch: 28329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-35866-1	BW-1	Total/NA	Water	SM 2540C	
870-35866-2	MW-1	Total/NA	Water	SM 2540C	
870-35866-3	MW-2	Total/NA	Water	SM 2540C	
870-35866-4	MW-3	Total/NA	Water	SM 2540C	
870-35866-5	MW-4	Total/NA	Water	SM 2540C	
870-35866-6	MW-5	Total/NA	Water	SM 2540C	
870-35866-7	DUP	Total/NA	Water	SM 2540C	
MB 870-28329/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-28329/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-28329/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
870-35866-1 DU	BW-1	Total/NA	Water	SM 2540C	
870-35866-2 DU	MW-1	Total/NA	Water	SM 2540C	

#### Analysis Batch: 234708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-35866-1	BW-1	Total/NA	Water	9040C	
870-35866-2	MW-1	Total/NA	Water	9040C	
870-35866-3	MW-2	Total/NA	Water	9040C	
870-35866-4	MW-3	Total/NA	Water	9040C	
870-35866-5	MW-4	Total/NA	Water	9040C	
870-35866-6	MW-5	Total/NA	Water	9040C	
870-35866-7	DUP	Total/NA	Water	9040C	
860-99827-H-1 DU	Duplicate	Total/NA	Water	9040C	

Job ID: 870-35866-1

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#### Lab Chronicle

Client: SCS Engineers Job ID: 870-35866-1

Project/Site: Sandy Creek Groundwater

Client Sample ID: BW-1

Date Received: 04/30/25 15:35

Lab Sample ID: 870-35866-1 Date Collected: 04/29/25 16:40

**Matrix: Water** 

EET DAL

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 9056A 233119 Total/NA Analysis 05/02/25 23:04 W1N EET HOU 5 Total/NA Analysis 9056A DL 50 233119 05/02/25 23:11 W1N EET HOU Total/NA Prep 3010A 50 mL 233174 05/02/25 11:23 ΡВ **EET HOU** 50 mL 05/06/25 15:11 6020B 233875 **EET HOU** Total/NA Analysis 20 DP Total/NA 9040C 234708 EET HOU Analysis 05/08/25 19:18 CT 1

1

Client Sample ID: MW-1 Lab Sample ID: 870-35866-2

Date Collected: 04/29/25 17:05 **Matrix: Water** 

25 mL

200 mL

28329

05/06/25 13:57

CJH

Date Received: 04/30/25 15:35

Analysis

SM 2540C

Total/NA

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			233119	05/02/25 23:33	W1N	EET HOU
Total/NA	Analysis	9056A	DL	10			233119	05/02/25 23:41	W1N	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	233174	05/02/25 11:23	РВ	EET HOU
Total/NA	Analysis	6020B		50			233875	05/06/25 14:57	DP	EET HOU
Total/NA	Analysis	9040C		1			234708	05/08/25 19:27	СТ	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28329	05/06/25 13:57	CJH	EET DAL

Client Sample ID: MW-2 Lab Sample ID: 870-35866-3 Date Collected: 04/29/25 17:30 **Matrix: Water** 

Date Received: 04/30/25 15:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			233119	05/02/25 23:48	W1N	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	233174	05/02/25 11:23	РВ	EET HOU
Total/NA	Analysis	6020B		20			233875	05/06/25 15:14	DP	EET HOU
Total/NA	Analysis	9040C		1			234708	05/08/25 19:25	СТ	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	28329	05/06/25 13:57	CJH	EET DAL

Client Sample ID: MW-3 Lab Sample ID: 870-35866-4

Date Collected: 04/29/25 15:35 Date Received: 04/30/25 15:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			233119	05/03/25 00:03	W1N	EET HOU
Total/NA	Analysis	9056A	DL	50			233119	05/03/25 00:10	W1N	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	233174	05/02/25 11:23	PB	EET HOU
Total/NA	Analysis	6020B		20			233875	05/06/25 15:08	DP	EET HOU
Total/NA	Analysis	9040C		1			234708	05/08/25 19:23	СТ	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28329	05/06/25 13:57	CJH	EET DAL

**Eurofins Dallas** 

**Matrix: Water** 

5/9/2025

#### Lab Chronicle

Client: SCS Engineers Job ID: 870-35866-1

Project/Site: Sandy Creek Groundwater

Client Sample ID: MW-4

Date Received: 04/30/25 15:35

Lab Sample ID: 870-35866-5 Date Collected: 04/29/25 18:00

**Matrix: Water** 

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 9056A 233119 Total/NA Analysis 05/03/25 00:18 W1N EET HOU 5 Total/NA Analysis 9056A DL 50 233119 05/03/25 00:25 W1N EET HOU Total/NA Prep 3010A 50 mL 233174 05/02/25 11:23 ΡВ **EET HOU** 50 mL 6020B 233875 05/06/25 15:00 **EET HOU** Total/NA Analysis 50 DP Total/NA 9040C 234708 Analysis 05/08/25 19:21 CT **EET HOU** 1 Total/NA Analysis SM 2540C 1 25 mL 200 mL 28329 05/06/25 13:57 CJH EET DAL

**Client Sample ID: MW-5** Lab Sample ID: 870-35866-6

Date Collected: 04/29/25 16:10 **Matrix: Water** 

Date Received: 04/30/25 15:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10			233119	05/03/25 00:32	W1N	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	233174	05/02/25 11:23	РВ	EET HOU
Total/NA	Analysis	6020B		20			233875	05/06/25 15:03	DP	EET HOU
Total/NA	Analysis	9040C		1			234708	05/08/25 19:32	СТ	EET HOU
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	28329	05/06/25 13:57	CJH	EET DAL

**Client Sample ID: DUP** Lab Sample ID: 870-35866-7 Date Collected: 04/29/25 15:40 **Matrix: Water** 

Date Received: 04/30/25 15:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		5			233119	05/03/25 01:02	W1N	EET HOU
Total/NA	Analysis	9056A	DL	50			233119	05/03/25 01:09	W1N	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	233174	05/02/25 11:23	РВ	EET HOU
Total/NA	Analysis	6020B		20			233875	05/06/25 15:05	DP	EET HOU
Total/NA	Analysis	9040C		1			234708	05/08/25 19:19	СТ	EET HOU
Total/NA	Analysis	SM 2540C		1	25 mL	200 mL	28329	05/06/25 13:57	CJH	EET DAL

**Laboratory References:** 

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

**Eurofins Dallas** 

### **Accreditation/Certification Summary**

Client: SCS Engineers Job ID: 870-35866-1

Project/Site: Sandy Creek Groundwater

#### **Laboratory: Eurofins Dallas**

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oklahoma	NELAP	TX01468_2310	08-31-25
Texas	NELAP	T104704295	06-30-25

#### **Laboratory: Eurofins Houston**

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	<b>Expiration Date</b>
Arkansas DEQ	State	88-00759	08-04-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	12-20-25
Oklahoma	NELAP	1306	08-31-25
Texas	NELAP	T104704215	07-01-26
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

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### **Method Summary**

Client: SCS Engineers

Project/Site: Sandy Creek Groundwater

Job ID: 870-35866-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
9040C	рН	SW846	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
3010A	Preparation, Total Metals	SW846	EET HOU

### Protocol References:

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

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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4.0

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### **Sample Summary**

Client: SCS Engineers

Project/Site: Sandy Creek Groundwater

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
870-35866-1	BW-1	Water	04/29/25 16:40	04/30/25 15:35
870-35866-2	MW-1	Water	04/29/25 17:05	04/30/25 15:35
870-35866-3	MW-2	Water	04/29/25 17:30	04/30/25 15:35
870-35866-4	MW-3	Water	04/29/25 15:35	04/30/25 15:35
870-35866-5	MW-4	Water	04/29/25 18:00	04/30/25 15:35
870-35866-6	MW-5	Water	04/29/25 16:10	04/30/25 15:35
870-35866-7	DUP	Water	04/29/25 15:40	04/30/25 15:35

12 13

# **Chain of Custody Record**

Dallas, TX 75220  Choose (711) 902-0300	Chain of Cu	Chain of Custody Record		Environment Testing
	Sampler	Lab PM:	Carrier Tracking No(s):	COC No:
Client Information	Morgas S.	Patel, Anita		870-9082-2645.1
Ollianol.			State of Origin:	Page:
Client Contact:	Phone: 002 1 010 1 011		Clare of Cright.	Dago 1 of 1
Asher Boudreaux	100 000	Anita.Patei@et.euroiinsus.com		rayo i oi i
Company:	PWSID:	A		3
SCS Engineers		Analysis Requested	haisanh	
Address:	Due Date Requested:			N None
1901 Central Avenue Suite 550			The second secon	D-HNO3
City:	TAT Requested (days):			
Bedford			44.7	

State, Zp: TX, 76021

Sandy Creek Groundwater

Project #: 87001717

Field Filtered Sample (Yes of No)

pH 9040C & Anions 9056A\_ORGFM\_28D

2540C\_Calcd - Solids, Total Dissolved (TDS)

wo#: 16225004.00 Task 1 Purchase Order not required

aboudreaux@scsengineers.com

Special Instructions/Note:

BW-1

4/29/25

16:40

Sample Date

Sample Time

(C=comp, Sample Type

Matrix

Briggiften Bright (1970)

6010D - Total Metals - B and Ca

Total Number of containers

G=grab)

Preservation Code:

4/29/25 17:30

4/29/25 15:35

4/29/25 17:05

Water Water

< <

< < < Sample Identification

MW-1

MW-4 MW-3 MW-2

MW-5

4/29/23 16:10

4/29/25 18:00

4/29/25/15:40

Water Water Water Water Water

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Possible Hazard Identification

Non-Hazard Flammable Skin Irritant

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

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 Mon

od of Shipment

R

S

870-35866 Chain of Custody

elinquished by: Morgan Empty Kit Relinquished by:

Spews

4:/30/25 Date/Time:

15:35

Company

Time:

Special Instructions/QC Requirements:

Date:

elinquished by: elinquished by:

Date/Time:

Company

Received by:

Date/Time: Date/Time:

Company

Cooler Temperature(s) °C and Other Remarks

1 he 35

Ver: 04/02/2054

Custody Seals Intact: Δ Yes

Custody Seal No.:

∆ No

💸 eurofins

Client: SCS Engineers

Job Number: 870-35866-1

Login Number: 35866 List Source: Eurofins Dallas

List Number: 1

Creator: Bodnarchuk, Andrew G

Ourselfor.	A	0
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

### **Login Sample Receipt Checklist**

Client: SCS Engineers Job Number: 870-35866-1

Login Number: 35866
List Source: Eurofins Houston
List Number: 2
List Creation: 05/01/25 08:28 AM

Creator: Torrez, Lisandra

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
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	

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## Appendix C Historical Groundwater Analytical Data

APPENDIX C - GROUNDWATER ANALYTICAL DATA
2024 SEMIANNUAL GROUNDWATER MONITORING REPORT
SANDY CREEK ENERGY STATION
2161 RATTLESNAKE ROAD
RIESEL, TX 76682

Units	Water Level	Conductiviy	Boron mg/L	Calcinm mg/L	mg/L	bh at 25°C	Sulfate	game Total Dissolved Solids	Mg/L Antimony	A/8m Arsenic	Barium Barium	mg/L	Enimpey mg/L	Chromium mg/L	Cobalt Cobalt	Pead mg/L	Lithium mg/F	Mercury	Molybdenum mg/L	Selenium mg/L	mg/L	Radium-226	T/Ci/Radium-228	L/iJq	T/Buoride
MW-1  12/14/2015 2/25/2016 5/11/2016 8/16/2016 11/17/2016 2/23/2017 6/7/2017 8/24/2017 12/20/2017 6/21/2018 12/13/2018 6/24/2019 12/10/2019 4/8/2020 11/10/2020 6/22/2021 12/15/2021 5/10/2022 11/22/2022 6/1/2023 8/22/2023 12/20/2023 6/14/2024 12/2/2024 4/29/2025	453.53 453.38 454.14 453.67 454.43 454.72 454.42 454.69 454.22 453.85 454.86 455.38 453.99 454.99 454.45 455.29 455.13 455.09 454.06 455.37 n/a 454.33 455.69 452.52 454.46	4.51 4.98 4.83 4.47 4.45 5.08 4.77 4.58 4.287 4.67 4.369 4.142 4.278 4.66 4.73 4.32 4.45 5.32 4.56 4.45 n/a 4.69 4.83 2.94 3.63	1.2 1.4 2.6 1.3 1.2 1.3 1.2 1.3 1.25 1.35 1.1 1.1 1.1 1.3 1.18 1.1 1.16 1.17 1.3 1.17 1.12 1.2 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.	454 520 1030 535 542 531 530 518 548 587 515 492 534 524 539 510 534 521 512 491 506 660 500 560 540	253 236 402 239 216 223 203 241 248 247 241 169 192 152 168 161 144 161 145 153 132 150 140 150 140	7.6 7.5 7.2 6.8 7 7 7.5 7.1 7.4 7.38 7.52 7.2 7.43 7.1 7.2 7.19 7.15 7.24 7.13 7.44 7.37 7.2 7.2 7.43	2090 2190 2580 2300 2130 2350 2010 2620 2340 2530 2570 2430 2420 2430 2350 2470 2360 2460 2500 2730 2340 2300 2300 2300 2300	4090 4060 5260 3880 3720 3980 3680 4550 4250 4270 4100 4030 3720 4330 4060 3830 3940 4090 3960 4750 4310 4100 3500 4600 4000	<0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 n/a	<0.0050 <0.0050 0.12 <0.0050 <0.0050 <0.0050 <0.0050 <0.0060 n/a n/a n/a 0.000667 n/a	0.044 0.033 1 0.022 0.018 <0.20 0.019 0.02 0.017 n/a	<0.0010 <0.0010 0.029 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 n/a	<0.0010 <0.0010 <0.0010 <0.0010 <0.0050 <0.0010 <0.0050 n/a	0.0073 0.0074 0.69 <0.0050 <0.0050 <0.0050 <0.0050 <0.0070 n/a	<0.0025 <0.0025 0.087 <0.0025 <0.0025 <0.0025 <0.0025 <0.0025 <0.0025 n/a	<0.0050 0.0084 0.21 <0.0050 <0.0050 <0.0050 <0.0050 <0.010 n/a	0.43 0.39 0.78 0.41 0.37 0.44 0.36 0.395 0.38 n/a	<0.00020 <0.00020 <0.00020 <0.00020 <0.00020 <0.00020 <0.00020 <0.00020 n/a	<0.010 <0.010 <0.020 <0.010 <0.020 <0.010 <0.020 <0.020 <0.030 n/a	0.16 0.2 0.039 0.13 0.16 0.066 0.15 0.17 0.18 n/a n/a 0.0809 n/a n/a n/a n/a n/a n/a n/a n/a	<0.00050 <0.00050 0.00089 <0.00050 <0.00050 <0.00050 <0.00050 <0.00050 n/a	1.04 ± 0.838 0.922 ± 0.720 3.94 ± 1.31 0.593 ± 0.620 0.338 ± 0.339 -0.207 ± 0.945 0.000 ± 0.449 0.577 ± 0.429 1.26 ± 0.680 n/a n/a n/a n/a n/a n/a n/a n/a	$8.39 \pm 1.74$ $3.29 \pm 0.828$ $2.49 \pm 0.783$ $3.13 \pm 0.908$ $1.30 \pm 0.518$	2.13 2.382 12.33 3.883 2.828 2.923 1.3 2.267 3.72 n/a	<0.30 <0.30 <0.30 0.35 <0.30 <0.30 <0.30 <0.30 0.4 1.1 0.3 J 0.585 0.73 0.236 <0.20 0.26 J <0.20 0.271 n/a 0.336 1.2 0.581 ND ND 0.56 ND
12/14/2015 2/25/2016 5/11/2016 8/16/2016 11/17/2016 2/23/2017 6/7/2017 8/24/2017 12/20/2017 6/21/2018 12/13/2018 6/24/2019 12/10/2019 4/8/2020 11/10/2020 6/22/2021 12/15/2021 5/10/2022 11/22/2022 6/1/2023 8/22/2023 12/20/2023 6/14/2024 12/2/2024 4/29/2025	424.11 429.50 430.72 430.78 430.80 430.85 431.12 431.20 429.47 430.02 430.72 430.72 430.19 430.07 430.96 431.88 430.79 430.63 429.45 431.45 n/a 429.42 431.81 429.42 428.82	10.6 11.3 10.8 11.9 10.7 13.7 11 11.4 6.198 12.66 11.89 10.77 8.676 13 13.7 11.3 12 14.5 10.2 12.7 n/a 8.81 6.62 6.14 9.91	1.9 2.4 2.2 2.1 1.9 1.9 1.9 1.9 2.2 1.9 2.58 1.7 1.48 1.9 2.13 1.83 2.02 2.28 2.39 1.29 1.4 1.6 1.1 1.6 1.8	569 697 613 680 701 646 640 664 716 706 690 656 660 650 715 704 656 630 687 509 650 690 470 660 600	1890 2080 2340 2440 2140 2320 2420 2520 2590 2840 2740 2420 2180 2410 2350 2780 2350 2370 2700 2810 1550 1400 1000 1400 1900	6.7 7.3 6.7 6.7 6.9 7.5 6.8 7.2 7.09 6.71 7.0 6.93 6.8 6.82 6.83 6.83 6.74 7.35 6.74 7.1 6.7	2810 2890 3010 3080 2770 3110 2970 3710 3100 3400 3220 3480 2620 3120 2830 3370 2970 3040 3420 3760 2290 2400 2900 2300 3500	8520 8070 9930 7870 9680 9630 14200 9600 10200 10500 9560 8120 9820 9670 9500 8780 8900 10500 12800 7700 8000 5500 6300 7900	<0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 n/a	<0.0050	0.031 0.038 0.027 0.021 0.024 <0.20 0.016 0.017 0.022  n/a n/a n/a n/a n/a n/a n/a n/a n/a n/	<0.0010 <0.0010 <0.0010 <0.0010 <0.0050 <0.0010 <0.0010 <0.0010 n/a	<0.0010 <0.0010 <0.0010 <0.0010 <0.0050 <0.0020 <0.0020 <0.010 n/a	<0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.014  n/a  n/a  n/a  n/a  n/a  n/a  n/a  n/	0.0061 <0.011 0.0079 0.0084 0.0064 <0.010 0.0051 0.0065 0.0072 n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	<0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0010 <0.020 n/a	0.69 0.74 0.87 0.84 0.82 0.8 0.75 0.729 0.74 n/a	<0.00020 <0.00020 <0.00020 <0.00020 <0.00020 <0.00020 <0.00020 <0.00020 n/a	<0.010 <0.010 <0.010 <0.010 <b>0.024</b> <0.010 <0.020 <0.020 <0.030 n/a	<0.010 <0.010 <0.010 <0.010 <0.010 <0.020 <0.010  0.026 <0.040  n/a  n/a  <0.010  n/a  n/a  co.010  n/a  n/a  n/a  n/a  n/a  n/a  n/a  n/	<0.00050 <0.00050 <0.00050 <0.00050 <0.00050 <0.00050 <0.00050 <0.00050 n/a	0.857 ± 0.590 0.859 ± 0.561 0.237 ± 0.329 0.923 ± 0.594 1.52 ± 1.50 0.344 ± 0.415	3.13 ± 0.822 3.28 ± 0.775 3.16 ± 0.826 4.27 ± 1.07 3.82 ± 0.931 3.78 ± 0.960	4.17 3.427 3.989 3.517 4.083 5.79 4.164 4.9 5.015 n/a	0.98 <0.30 <0.30 0.64 0.35 0.46 1.3 0.32 <0.50 <0.6 0.618 <0.18 0.229 <0.20 <0.20 <0.20 <0.20 0.254 n/a 0.341 0.944 0.577 ND ND 0.59 ND
MW-3  12/14/2015 2/25/2016 5/11/2016 8/16/2016 11/17/2016 2/23/2017 6/7/2017 8/24/2017 12/20/2017 6/21/2018 12/13/2018 6/24/2019 12/10/2019 4/8/2020 11/10/2020 6/22/2021 12/15/2021 5/10/2022 11/22/2022 6/1/2023 8/22/2023 12/20/2023 6/14/2024 12/2/2024 4/29/2025	421.77 421.66 421.94 420.42 421.03 422.58 422.23 419.66 421.08 418.68 422.36 423.00 419.87 422.06 420.03 421.46 420.96 420.24 420.29 421.06 n/a 418.34 422.30 416.34 421.22	1.17 6.04 3.82 6.01 5.43 6.79 3.68 6.55 6.459 6.633 4.47 5.659 6.189 6.189 6.46 7.21 6.06 6.71 6.89 6.75 6.55 n/a 7.09 6.23 5.52 4.94	0.35 1.2 1.1 1.2 1.1 1.1 1.2 1.1 1.3 1.13 1.08 0.99 1.26 1.1 3.07 1.02 1.24 1.07 1.61 1.18 1.13 1.11 0.93 1.2 1.4	67.6 479 465 505 494 389 486 519 563 526 327 452 572 530 597 469 518 420 589 491 533 580 420 540 430	12.3 347 349 381 322 202 327 401 380 396 206 306 345 307 1160 300 318 299 295 293 287 320 170 30 280	7.2 7 6.5 7.3 6.6 7 7.1 6.5 6.8 6.76 6.61 6.6 6.67 6.5 7.1 6.77 6.54 6.66 6.56 7.11 6.71 6.8 6.71 6.8 6.71 6.9	135 2430 2330 2950 2420 1450 2260 2890 2830 3160 1790 3130 3140 3020 2950 3170 2970 2760 3130 3430 3120 2800 1800 3300 2900	586 5400 5440 5680 5420 2900 4740 6160 5790 6090 3520 5740 5830 5980 6920 5080 5060 6560 7840 5610 6200 4400 6500 4800	<0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 n/a	<0.0050	0.021 0.052 0.024 0.018 0.028 <0.20 0.015 0.014 0.034 n/a	<0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 n/a	<0.0010 <0.0010 <0.0010 <0.0010 <0.0050 <0.0050 <0.0050 n/a	<0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0070 n/a	<0.0025 0.0098 0.0059 0.006 0.0068 <0.010 0.0058 0.0084 0.0086 n/a	<0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0010 <0.010 n/a	<0.050	<0.00020 <0.00020 <0.00020 <0.00020 <0.00020 <0.00020 <0.00020 <0.00020 n/a	<0.010 <0.010 <0.010 <0.010 <0.020 <0.020 <0.020 <0.030 n/a	<0.010 <0.010 <0.010 <0.010 <0.010 <0.020 <0.020 <0.020 n/a n/a n/a <0.010 n/a	<0.00050 <0.00050 <0.00050 <0.00050 <0.00050 <0.00050 <0.00050 <0.00050 n/a	1.26 ± 0.600	3.02 ± 0.791 1.62 ± 0.547 5.10 ± 1.13	1.733 4.28 3.16 5.991 6.102 3.831 3.701 5.67 3.396 n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	0.62 0.9 <0.30 <0.30 <0.30 0.45 0.57 <0.30 0.61 <0.3 0.662 <0.18 0.137 <0.20 <0.20 <0.20 <0.20 <1.20 <0.50 n/a 0.225 1 0.476 ND ND ND ND
BW-1  12/14/2015 2/25/2016 5/11/2016 8/16/2016 11/17/2016 2/23/2017 6/7/2017 8/24/2017 12/20/2017 6/21/2018 12/13/2018 6/24/2019 12/10/2019 4/8/2020 11/10/2020 6/22/2021 12/15/2021 5/10/2022 11/22/2022 6/1/2023 8/22/2023 12/20/2023 6/14/2024 12/2/2024 4/29/2025	465.60 465.44 465.56 465.71 466.12 466.57 466.17 466.38 466.51 466.13 467.24 467.37 467.39 467.63 468.39 468.37 468.67 468.67 468.67 468.67 469.32 n/a 469.57 469.17 468.87	5.35 5.8 7.5 7.52 7.36 7.17 7.58 7.81 7.063 7.755 7.159 7.21 6.612 8.15 8.28 7.54 8.31 10.6 8.1 8.12 n/a 8.43 9.10 6.51 6.65	1.8 3.5 4 3.7 2.8 3.1 3.8 3.4 3.5 3.31 3.25 3.1 2.98 3.7 3.14 3.39 3.36 3.26 3.33 3.44 2.88 3.3 3.44 2.88 3.3 3.4	465 586 566 566 548 532 539 531 658 610 637 564 591 545 612 607 616 623 619 528 539 710 300 550 640	727 1050 1120 1130 991 1080 1020 1160 1030 1200 1150 1070 1170 1290 1140 1110 1210 1050 1100 1200 1400 1200	9.5 7.4 7 7.2 6.8 7.2 7.7 7.1 7.2 7.22 7.1 7.11 6.9 7.1 7.05 6.92 7.01 6.9 7.53 7.18 7.1 6.9 7.2 7.1	2130 2690 2610 2720 2590 2760 2220 2870 2620 3030 2780 2930 2830 2760 2710 3170 2820 2810 3090 3220 2740 2700 2500 3500 3100	4900 6420 6360 6280 6400 6280 7320 7260 6140 6640 6380 6300 6660 6000 6560 6380 6530 6460 8660 6250 6800 6300 7100 6200	<0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 n/a	<0.0050	0.17 0.055 0.04 0.023 <0.20 0.026 0.037 0.044 n/a	<0.0010 <0.0010 <0.0010 <0.0010 <0.0050 <0.0010 <0.0010 <0.0010 n/a	<0.0010 <0.0010 <0.0010 <0.0010 <0.0050 <0.0050 n/a	0.015 0.0053 0.011 0.0073 <0.0050 <0.0050 <0.0050 <0.0070 n/a	0.0026 0.0035 0.0035 0.0029 <0.0025 <0.010 <0.0025 <0.0050 0.0034 n/a	<0.0050 0.0069 0.0091 <0.0050 <0.0050 <0.0050 <0.010 n/a	0.7 0.71 0.79 0.78 0.74 0.73 0.79 0.738 0.73 n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	<0.00020 <0.00020 <0.00020 <0.00020 <0.00020 <0.00020 <0.00020 <0.00020 n/a	<0.010 <0.010 <0.010 0.022 <0.010 <0.020 <0.020 <0.030 n/a	<0.010 <0.010 <0.010 <0.010 <0.020 <0.020 <0.020 n/a n/a n/a <0.010 n/a	0.00073 <0.00050 <0.00050 <0.00050 <0.00050 <0.00050 <0.00050 <0.00050 n/a	0.900 ± 0.728 0.887 ± 0.697 2.40 ± 0.944 0.610 ± 0.483 0.605 ± 0.548 0.816 ± .0983 1.36 ± 0.685 1.58 ± 0.602 1.07 ± 0.681 n/a n/a n/a n/a n/a n/a n/a n/a	1.82 ± 0.541 2.80 ± 0.710 3.42 ± 0.777	2.03 2.707 5.2 4.03 3.545 4.886 4.49 4.38 4.2 n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	<0.30 0.67 0.32 0.94 0.85 <0.30 <0.30 0.37 <0.50 <0.3 0.586 0.9 0.309 <0.20 <0.20 <0.20 0.512 <0.50 n/a 0.3 0.864 <0.50 ND n/a 0.57 ND
MW-4  3/24/2021 6/22/2021 9/17/2021 12/15/2021 3/17/2022 5/10/2022 9/8/2022 11/22/2022 6/1/2023 12/20/2023 6/14/2024 12/2/2024 4/29/2025	427.00 427.52 425.55 425.18 n/a 425.03 488.82 421.13 426.31 421.11 427.18 423.19 422.86	7.16 7.43 7.88 8.17 n/a 11 7.98 7.79 8.03 7.83 8.31 5.93 7.16	4.1 4.94 5.35 5.15 5.26 5.01 4.11 5.21 4.97 4.7 4.9 5.1 5.5	463 418 431 417 404 456 512 492 372 550 460 440 460	544 1100 978 1020 1120 1060 827 935 300 760 790 930 970	7.4 7.23 7.46 7.23 6.93 7.96 7.09 7.71 7.84 7.4 7.2 7.4 7.3	3060 3080 2940 3110 2970 2960 2880 2900 792 2600 2800 3100 3200	6080 5830 6390 6120 6240 6450 6570 6330 1560 6900 6000 5800 7100	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a	0.38 <0.50 0.34 <0.50 0.341 <0.50 0.286 0.406 0.285 ND ND 0.51 ND
MW-5  3/24/2021 6/22/2021 9/17/2021 12/15/2021 3/17/2022 5/10/2022 9/8/2022 11/22/2022 6/1/2023 12/20/2023 6/14/2024 12/2/2024 4/29/2025	432.58 432.29 432.13 432.30 n/a 432.40 432.30 n/a 433.02 438.72 433.22 433.22 433.51	9.19 8.36 9.4 9.4 n/a 13.8 8.9 n/a 8.82 9.19 9.7 7.34 8.48	2.7 2.6 2.85 3.13 3.18 3.2 2.49 3.32 2.6 3.3 3.3 2.9 3.4	535 466 507 513 561 575 555 508 470 550 530 600 580	1190 1290 1250 1330 1310 1600 1140 1250 1280 320 1100 1400	7.2 7.23 7.27 7.16 6.96 6.91 7.07 7.56 7.86 7.0 7.1 7.2 7.3	3400 3570 3290 3590 3470 3610 3240 3340 3740 2700 3300 3600 4100	7760 7960 7650 7000 7260 8330 7140 7610 9160 5700 7300 7300 6900	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a	n/a	0.22 <0.50 0.378 0.265 <0.50 <0.50 0.284 0.504 1.14 ND ND

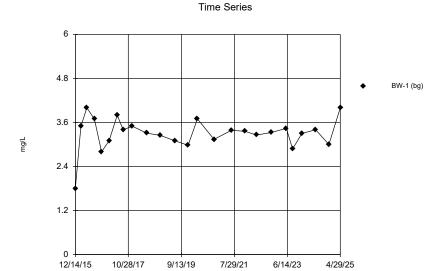
40 CFR 257 Appendix III Constituent

40 CFR 257 Appendix IV Constituent 40 CFR 257 Appendix III & IV Constituent

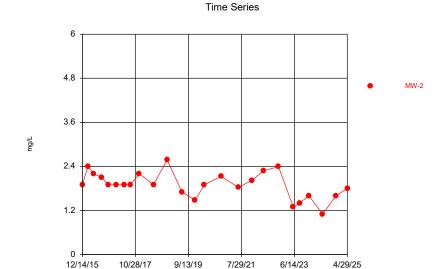
"<" - Indicates analyte was not detected above the laboratory reporting limit "J" Indicates value is above method detection limit (MDL) but below laboratory reporting limit

ND- indicates constituent was non-detect

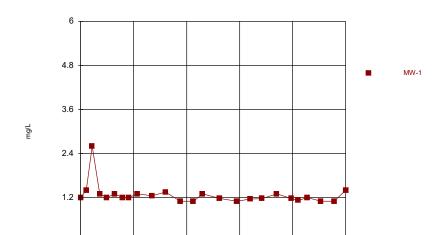
# Appendix D Time Series Graphs



Constituent: Boron Analysis Run 6/12/2025 5:28 PM
Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025



Constituent: Boron Analysis Run 6/12/2025 5:28 PM
Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025



Time Series

Constituent: Boron Analysis Run 6/12/2025 5:28 PM
Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025

7/29/21

6/14/23

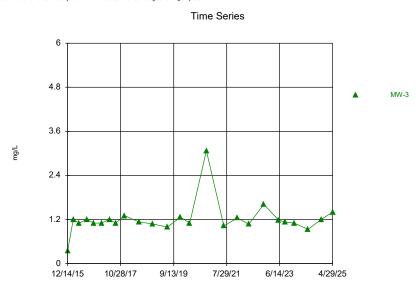
4/29/25

9/13/19

Sanitas™ v.10.0.26 For use in conjunction with official Sanitas Technologies training only. UG

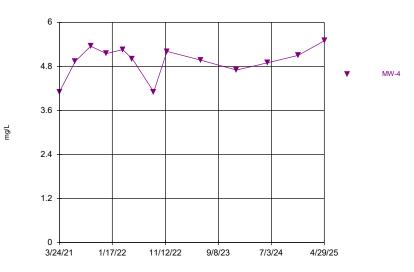
10/28/17

12/14/15

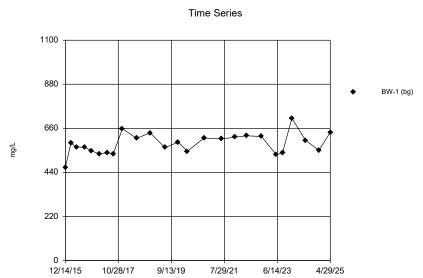


Constituent: Boron Analysis Run 6/12/2025 5:28 PM
Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025



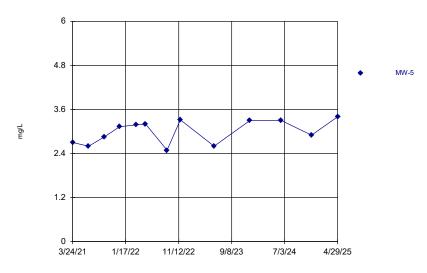


Constituent: Boron Analysis Run 6/12/2025 5:28 PM
Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025

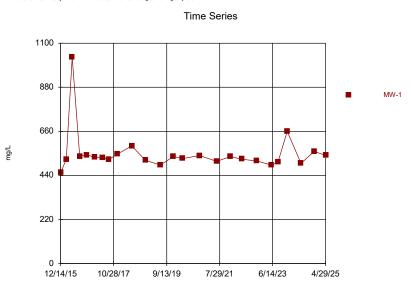


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Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025

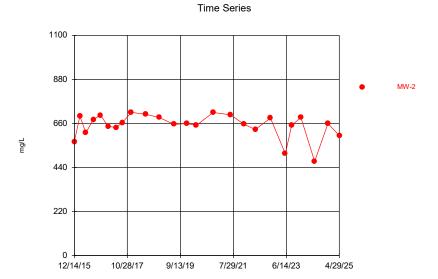
### Time Series



Constituent: Boron Analysis Run 6/12/2025 5:28 PM
Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025

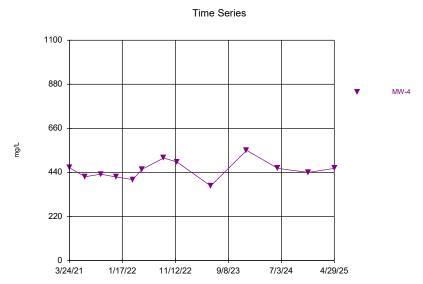


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Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025



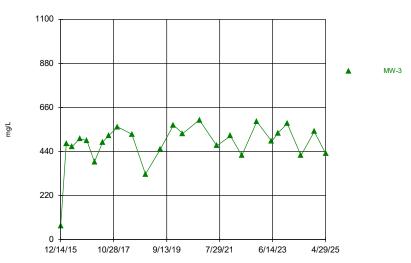
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Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025



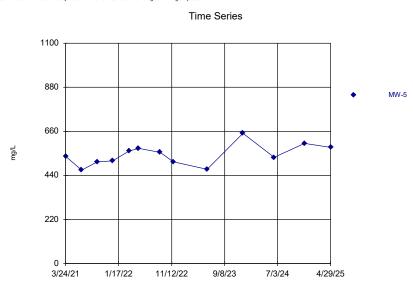


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Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025

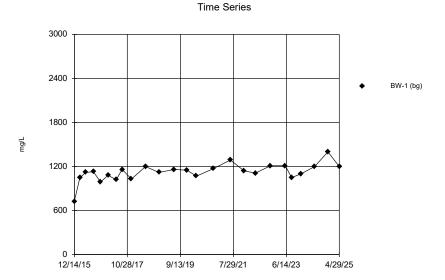




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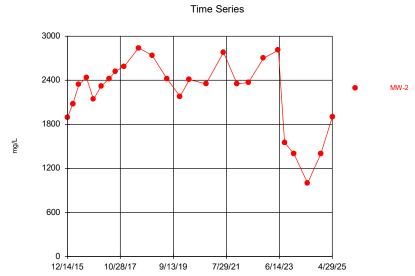


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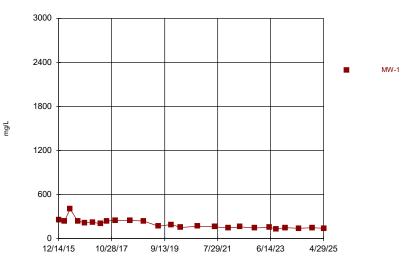
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Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025



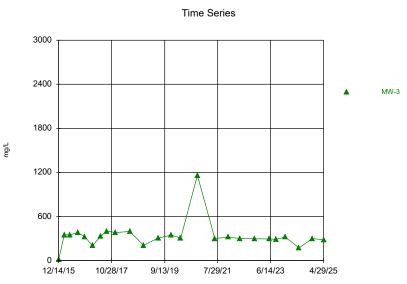


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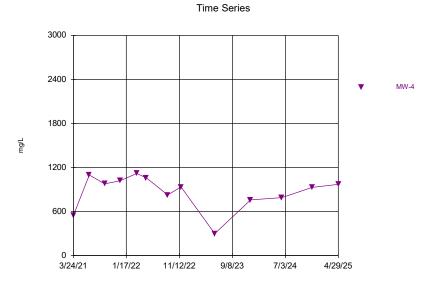




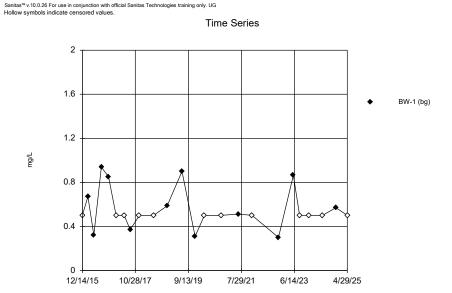
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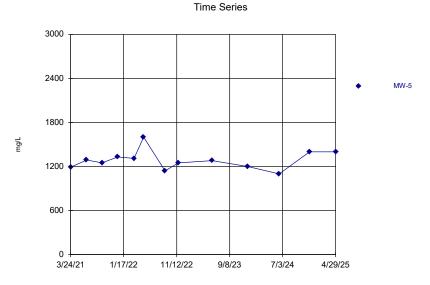
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Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025



Constituent: Chloride Analysis Run 6/12/2025 5:28 PM
Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025

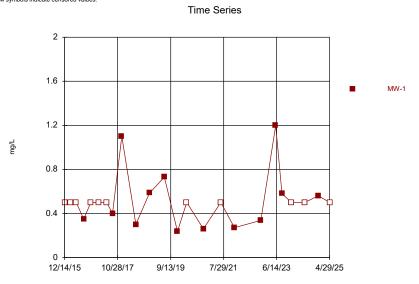


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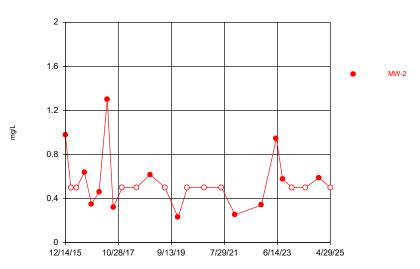
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Sanitas  $^{\text{Te}}$  v.10.0.26 For use in conjunction with official Sanitas Technologies training only. UG Hollow symbols indicate censored values.



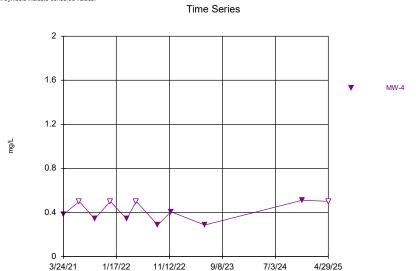
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Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025





Constituent: Fluoride Analysis Run 6/12/2025 5:28 PM Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025

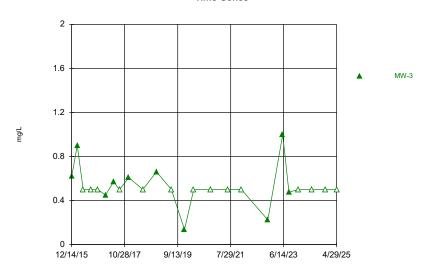
Sanitas™ v.10.0.26 For use in conjunction with official Sanitas Technologies training only. UG Hollow symbols indicate censored values.



Constituent: Fluoride Analysis Run 6/12/2025 5:28 PM Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025

Sanitas™ v.10.0.26 For use in conjunction with official Sanitas Technologies training only. UG Hollow symbols indicate censored values.

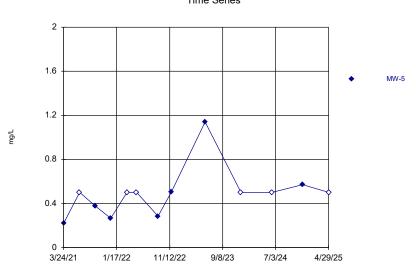
### Time Series



Constituent: Fluoride Analysis Run 6/12/2025 5:28 PM Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025

Sanitas™ v.10.0.26 For use in conjunction with official Sanitas Technologies training only. UG Hollow symbols indicate censored values.

### Time Series

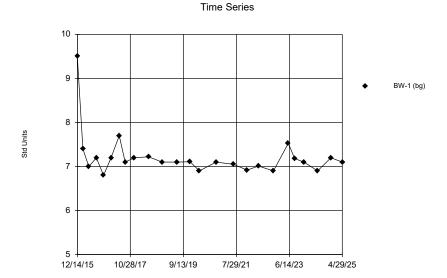


Constituent: Fluoride Analysis Run 6/12/2025 5:28 PM Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025

6

12/14/15

10/28/17



Constituent: pH Analysis Run 6/12/2025 5:28 PM
Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025

Time Series

# 9 8 7 MW-2

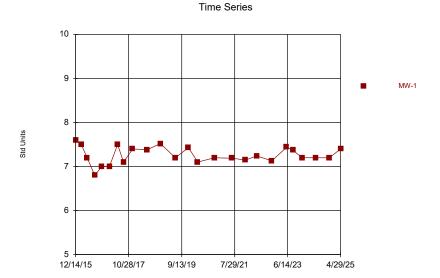
9/13/19

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Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025

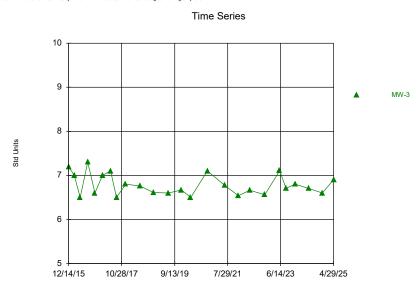
7/29/21

6/14/23

4/29/25



Constituent: pH Analysis Run 6/12/2025 5:28 PM
Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025



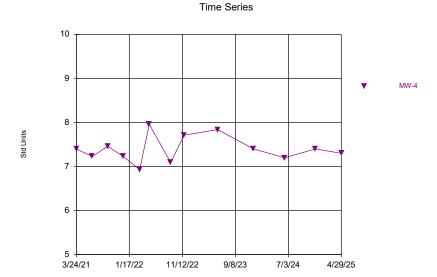
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800

12/14/15

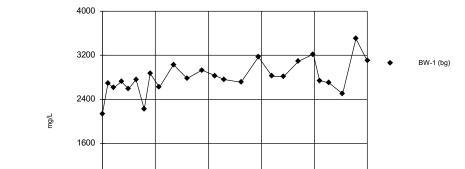
10/28/17

9/13/19



Constituent: pH Analysis Run 6/12/2025 5:28 PM
Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025

Time Series

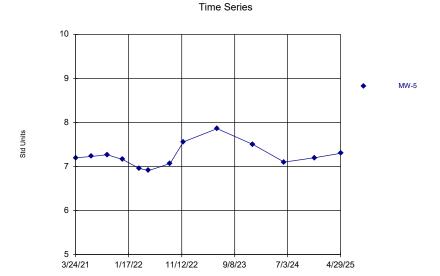


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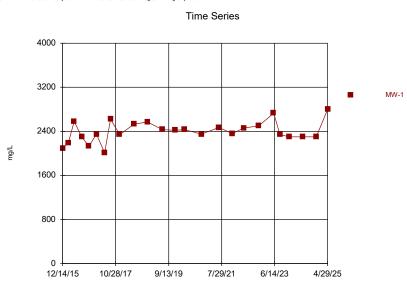
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6/14/23

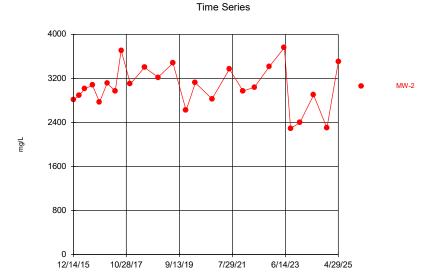
4/29/25



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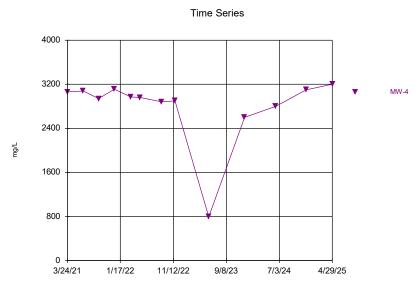


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Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025



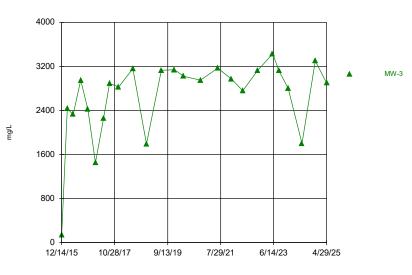
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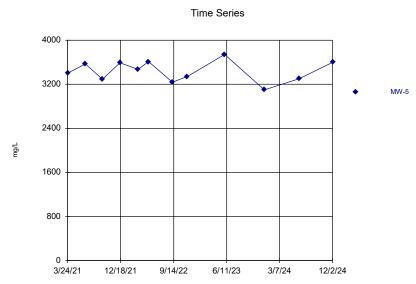


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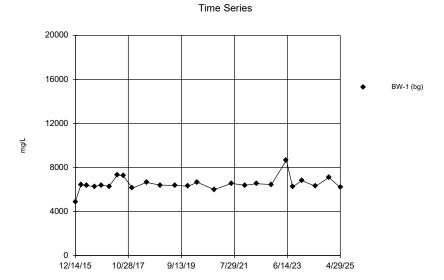
### Time Series



Constituent: Sulfate Analysis Run 6/12/2025 5:28 PM
Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025

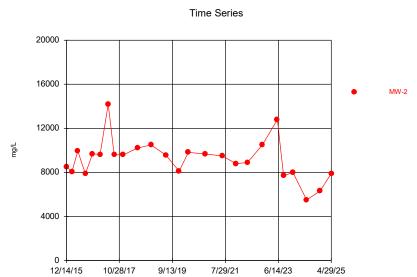


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Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025



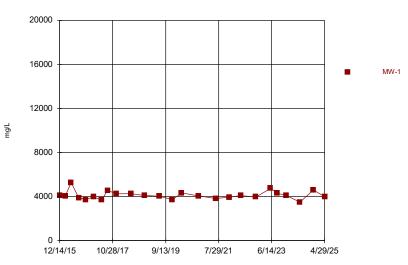
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Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025



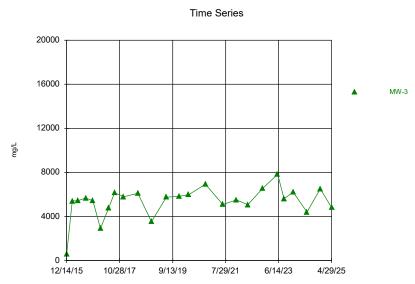


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Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025

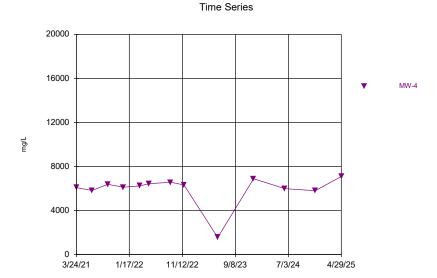




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Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025

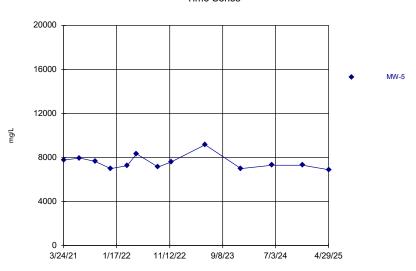


Constituent: Total Dissolved Solids Analysis Run 6/12/2025 5:28 PM
Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025



Constituent: Total Dissolved Solids Analysis Run 6/12/2025 5:28 PM
Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025

### Time Series



Constituent: Total Dissolved Solids Analysis Run 6/12/2025 5:28 PM
Sandy Creek Energy Station Client: Sandy Creek Data: Sandy Creek GWdata April 2025