CLECO CAJUN LLC
LOUISIANA GENERATING LLC
BIG CAJUN II POWER PLANT

Agency Interest No. 38867
Site ID No. GD-077-0583
Solid Waste Permit No. P-0108R1

First Half 2024
Groundwater Monitoring Report

E·A·G·L·E
ENVIRONMENTAL SERVICES, INC.

Cleco Cajun LLC
A subsidiary of Cleco Corporate Holdings LLC
2030 Donahue Ferry Road
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Pineville, Louisiana 71361-5000
www.cleco.com
Tel: (318) 484-7400

April 2, 2024

Louisiana Department of Environmental Quality
Office of Environmental Services
Waste Permits Division
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313
Attn: Ms. Yolunda M. Righteous, J.D., Administrator

RE: First Half 2024 Groundwater Monitoring Report
Cleco Cajun LLC
Louisiana Generating LLC Big Cajun II Power Plant
Agency Interest No. 38867
Facility Identification No. GD-077-0583
Solid Waste Permit No. P-0108R1
New Roads, Pointe Coupee Parish, Louisiana

Dear Ms. Righteous:

The Louisiana Generating LLC Big Cajun II Power Plant is pleased to provide you with three copies of the above-referenced report prepared by Eagle Environmental Services, Inc. (Eagle).

The attached report summarizes results of the above-referenced groundwater sampling event. Semi-annual assessment monitoring is conducted for the referenced facilities.

Should you have any questions concerning this report or require additional information, please contact Mr. Jared P. Mayeux of Eagle at (225) 757-0870, or Dustin Duhon of Cleco at (225) 618-4785.

Sincerely,

Jack Grant
Director – Generation Operations

Attachments: As stated

C: Mr. Jared P. Mayeux
Eagle Environmental Services, Inc.
18379 Petroleum Drive
Baton Rouge, Louisiana 70809

CLECO CAJUN LLC
LOUISIANA GENERATING LLC
BIG CAJUN II POWER PLANT

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First Half 2024
Groundwater Monitoring Report

Prepared By:

E·A·G·L·E
ENVIRONMENTAL SERVICES
Eagle Environmental Services, Inc.
18379 Petroleum Drive
Baton Rouge, Louisiana 70809
(225) 757-0870

Eagle Project No. 367-24-0003

TABLE OF CONTENTS

1.0 INTRODUCTION

Eagle Environmental Services, Inc. (Eagle) hereby presents the First Half 2024 groundwater monitoring report for the surface impoundments at the Louisiana Generating LLC Big Cajun II (BC2) Power Plant located in New Roads, Louisiana (**Figure 1**). This report summarizes groundwater sampling and analysis activities completed in accordance with applicable portions of LAC 33:VII.805 and Solid Waste Permit No. P-0108R1, as issued by the Louisiana Department of Environmental Quality (LDEQ) to Louisiana Generating LLC.

2.0 SITE INFORMATION

Louisiana Generating LLC owns and operates BC2 which is located at 10431 Cajun II Road in New Roads. The surface impoundments at BC2 have been permitted to operate by the LDEQ. The materials handled by these facilities are non-hazardous, on-site-generated materials only.

BC2 maintains a groundwater monitoring well system to evaluate the groundwater quality conditions near the surface impoundments. A total of fifteen monitoring wells have been installed per applicable portions of LAC 33:VII.805.A. Monitoring well MW-10BG is the designated upgradient monitoring well, while all other monitoring wells are located in downgradient positions relative to the surface impoundments. All monitoring wells are screened in the uppermost water bearing zone. Locations of the monitoring wells and permitted solid waste surface impoundments can be found on **Figure 2**, and a table of monitoring well construction details is provided in **Table 1**.

BC2 is located on the southwest side of the Mississippi River levee within the bend of the river. Potentiometric surface elevations and flow direction fluctuate in response to the changing river stages as well as area precipitation. A potentiometric surface map prepared using data collected during this sampling event is provided in **Figure 3**.

3.0 FIELD ACTIVITIES

A groundwater sampling event was conducted at BC2 by Eagle personnel in February 2024. The depth-to-water below the top of each well casing was measured and recorded prior to purging and sampling each well during this sampling event. Water levels were measured to the nearest 0.01 foot from the top of casing using an electronic water level indicator.

Depth-to-water measurements are presented in the transcribed groundwater sampling forms, which are provided in **Appendix A**. The depth-to-water measurements were subtracted from the top of casing elevations to obtain the groundwater elevations, as shown in **Table 1**.

Groundwater purging and sampling activities were conducted using electric positive displacement pumps. Dedicated tubing has been installed in each well at BC2, which reduces the potential for cross-contamination. Low-flow purging and sampling methodology is used

at BC2. This technique involves evacuation of one monitoring well volume, then continuous monitoring of indicator parameters while purging at a low flow rate until stabilization of the selected parameters is reached. Stabilization is considered to be achieved when the measurements of the selected field parameters are within pre-defined ranges.

Groundwater samples were collected by filling the sample containers directly from the dedicated tubing connected to the pump. Care was taken to minimize agitation of the samples. Samples were placed in laboratory-provided containers with appropriate preservatives. Samples were properly preserved on ice in the field and shipped to the Eurofins Pensacola, Florida laboratory for analysis of the groundwater monitoring parameters by the following methods: total dissolved solids (TDS) by 2540C, chloride and sulfate by 300.0, naphthalene by 8260D, diesel and oil range organics by 8015C, and metals by 6020B.

In addition to the field samples, a field blank, duplicate sample, and trip blank were submitted for analysis. Full chain-of-custody protocols were observed during sample collection, transportation, and analysis.

4.0 GROUNDWATER FLOW EVALUATION

Horizontal groundwater flow was evaluated in the uppermost water bearing zone by construction of a potentiometric surface map (**Figure 3**) from data measured in monitoring wells at BC2. An evaluation of groundwater flow indicates that horizontal groundwater flow for the February 2024 sampling event is predominantly to the west, with components flowing to the south across the area of the permitted surface impoundments.

5.0 ANALYTICAL RESULTS

Groundwater samples collected at BC2 were analyzed for the LDEQ permitted assessment monitoring parameters using appropriate EPA approved analytical methods. Analytical results are presented in **Table 2** for the assessment monitoring parameters.

Additionally, isopleth maps are provided in **Figures 4 through 11** for assessment monitoring parameters which generated two or more results above analytical detection limits during this sampling event.

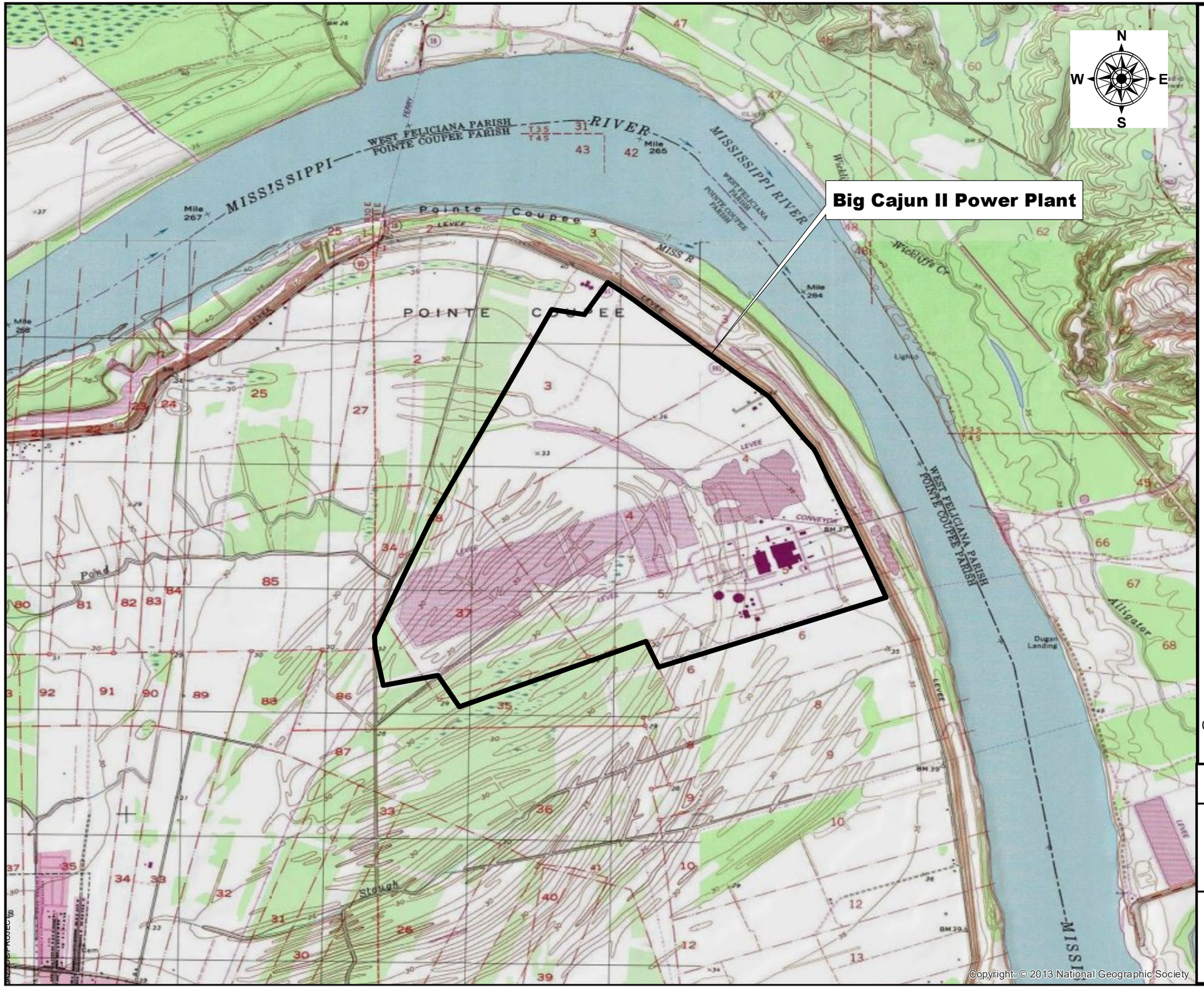
Assessment monitoring data are compared to LDEQ approved Groundwater Protection Standards (GWPS), as shown in **Table 2**. The GWPS are risk-based limiting standards developed per the methodology outlined in LDEQ's Risk Evaluation/Corrective Action Program (RECAP). No results were generated above BC2's GWPS during this sampling event.

Trend analysis charts for the assessment monitoring parameters are included in **Appendix B** and the laboratory analytical report is provided in **Appendix C**. Trend analysis charts are constructed as directed in LDEQ correspondence dated December 23, 2019. Non-detect

results are plotted at the detection limit, with detection limits used prior to Eagle's involvement with this project assumed based on a cursory file review of historic sampling events at the site.

6.0 CONCLUSIONS

- The Louisiana Generating LLC Big Cajun II Power Plant conducted the First Half 2024 groundwater monitoring event in February 2024.
- Potentiometric surface evaluation for this sampling event at BC2 indicates a predominantly westerly flow pattern at the site, with components flowing to the south.
- No analytical results were generated in excess of BC2's LDEQ approved GWPS for this sampling event.
- The Second Half 2024 groundwater monitoring event is tentatively scheduled for August 2024.



Legend

Approximate Property Boundary

0 1,250 2,500 5,000 7,500 Feet

CLECO Cajun, LLC

Big Cajun II Power Plant

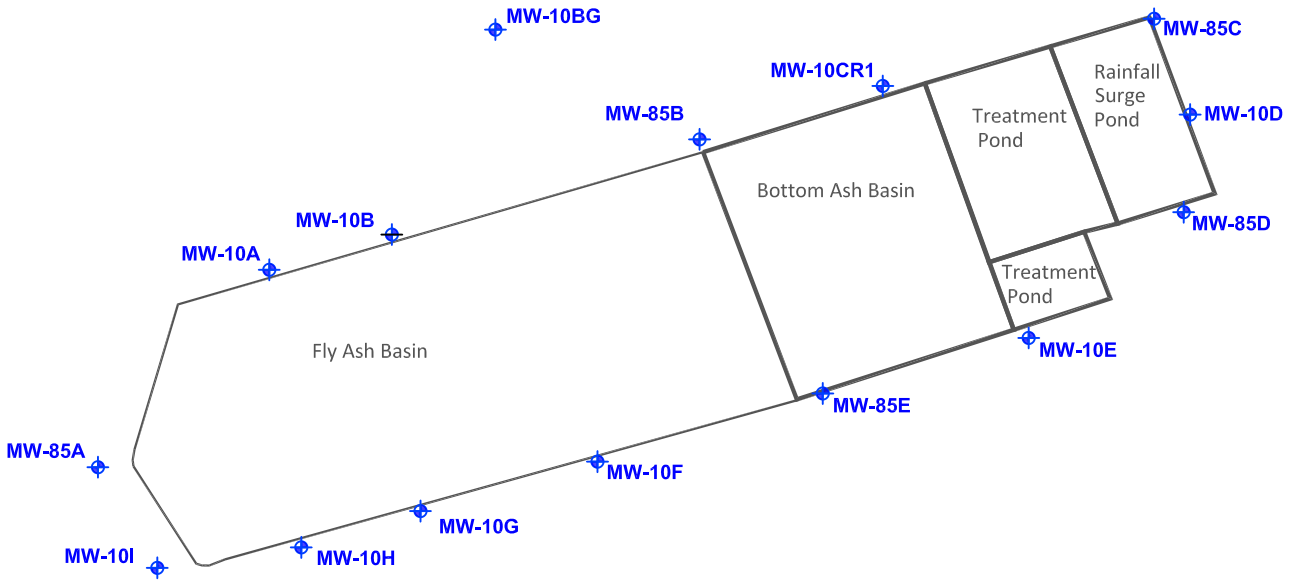
Site Location Map

Pointe Coupee Parish

E·A·G·L·E ENVIRONMENTAL SERVICES, INC.

Drawn:	JP
Checked:	JM
Approved:	RS
Date:	7/11/19
Dwg. No.:	367-19-0001-A001

Figure 1



0 500 1,000 2,000 3,000 Feet

Legend

MW-10B Monitoring Well

CLECO Cajun, LLC

Big Cajun II Power Plant

Monitoring Well Location Map

Pointe Coupee Parish

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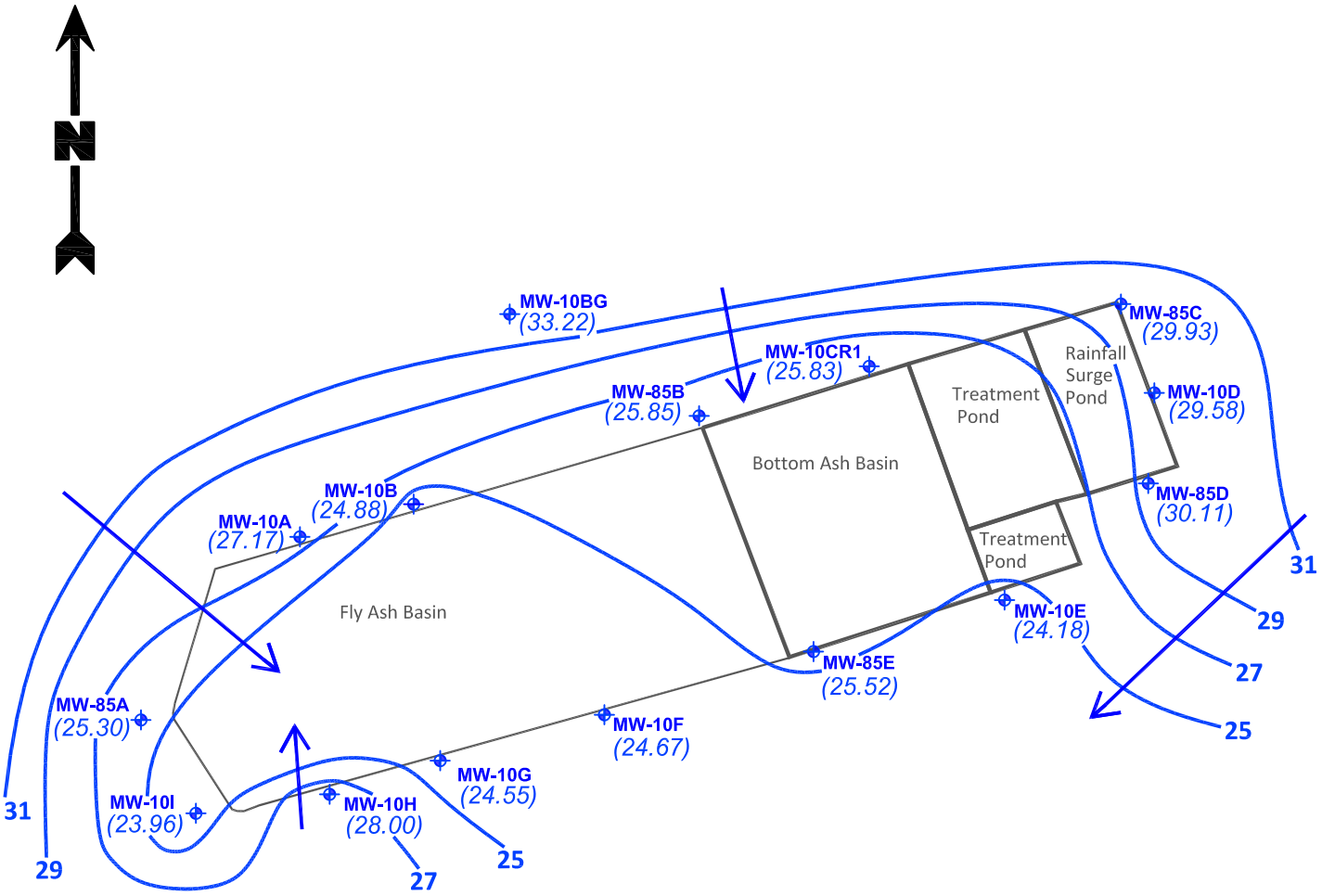
Figure 2



Note: Groundwater occurs in the uppermost aquifer in a semi-confined/confined state. The water surface elevation measured in monitoring wells encompassing the facility represents the resulting pressure head by the monitoring well installation in the uppermost aquifer, rather than the elevation of the saturated portion of the uppermost aquifer.

0 500 1,000 2,000 3,000
Feet

Legend

MW-10B — Monitoring Well

(29.58) — Measured Potentiometric Elevation (ft. NGVD)

27 — Potentiometric Surface Elevation (ft. NGVD)

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Big Cajun II Power Plant

Potentiometric Surface Map
February 2024

Pointe Coupee Parish

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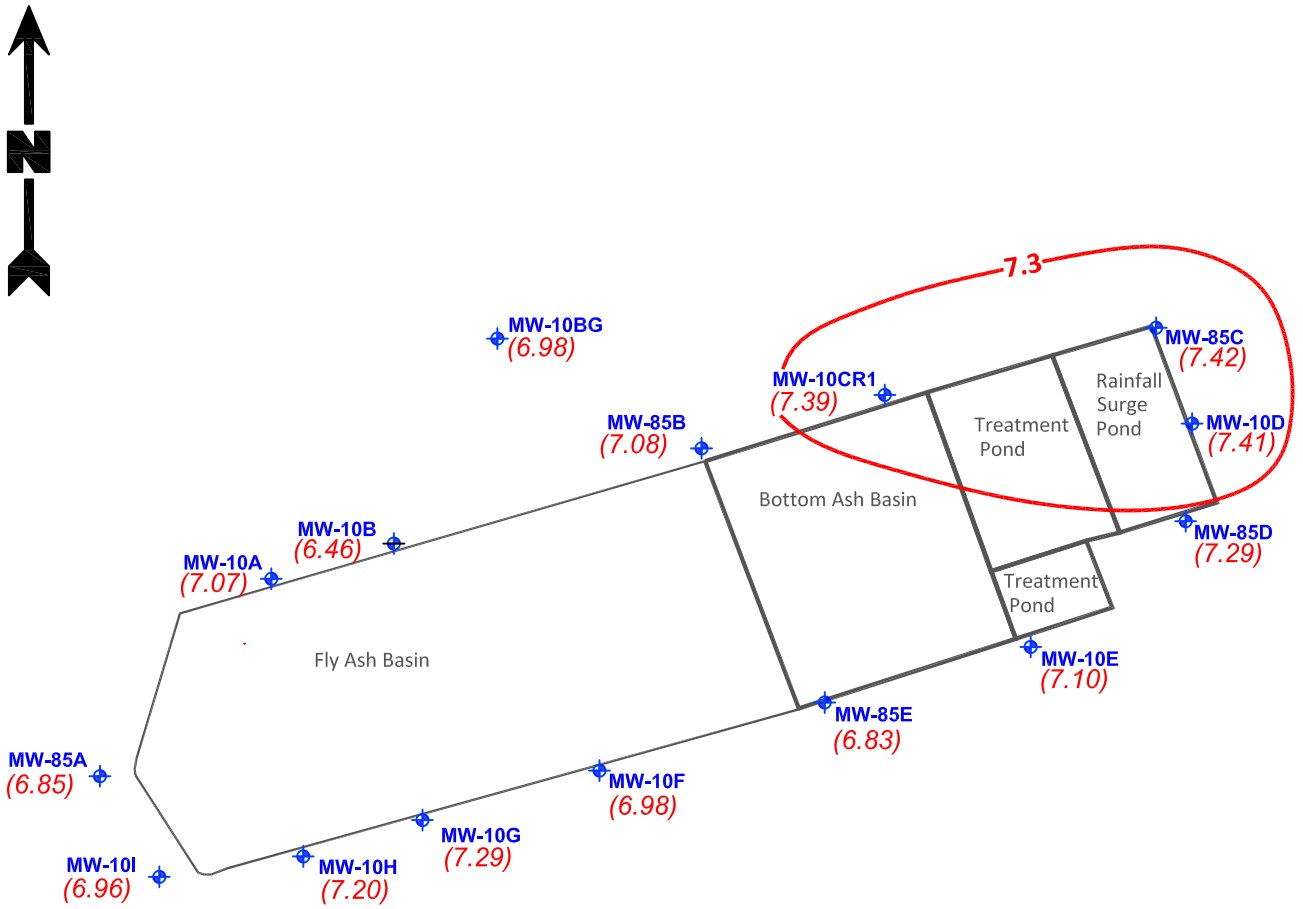
Figure 3



0 500 1,000 2,000 3,000 Feet

Legend

MW-10B Monitoring Well

(6.85) Concentration (S.U.)

7.3 Concentration Isopleth (S.U.)

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Big Cajun II Power Plant

pH Isopleth Map
1st Half 2024

Pointe Coupee Parish

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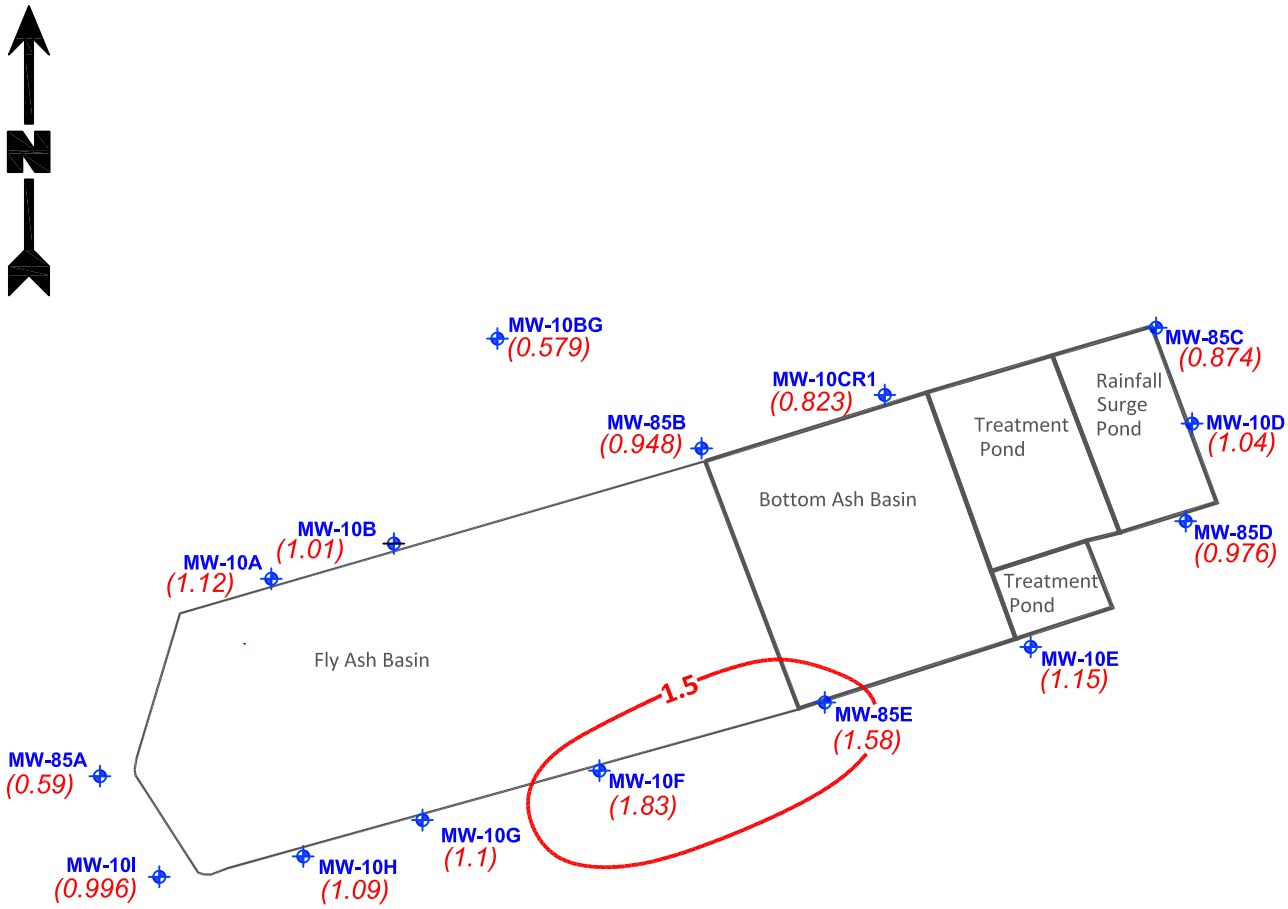
Figure 4



0 500 1,000 2,000 3,000 Feet

Legend

MW-10B Monitoring Well

(0.59) Concentration (mmhos/cm)

1.5 Concentration Isopleth (mmhos/cm)

CLECO Cajun, LLC

Big Cajun II Power Plant

Specific Conductance Isopleth Map 1st Half 2024

Pointe Coupee Parish

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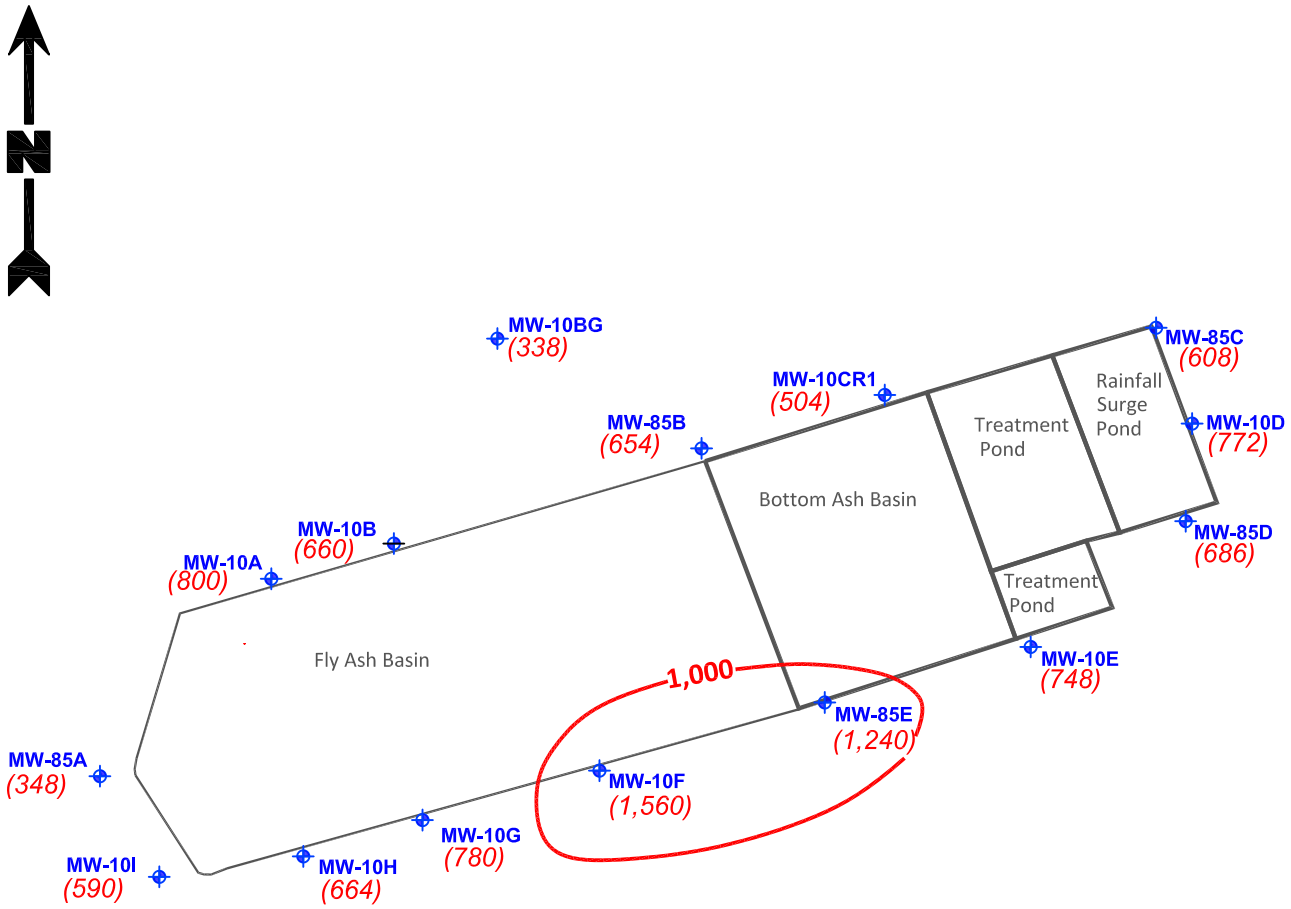
Figure 5



0 500 1,000 2,000 3,000 Feet

Legend

MW-10B Monitoring Well

(348) Concentration (mg/L)

1,000 Concentration Isopleth (mg/L)

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Big Cajun II Power Plant

Total Dissolved Solids Isopleth Map 1st Half 2024

Pointe Coupee Parish

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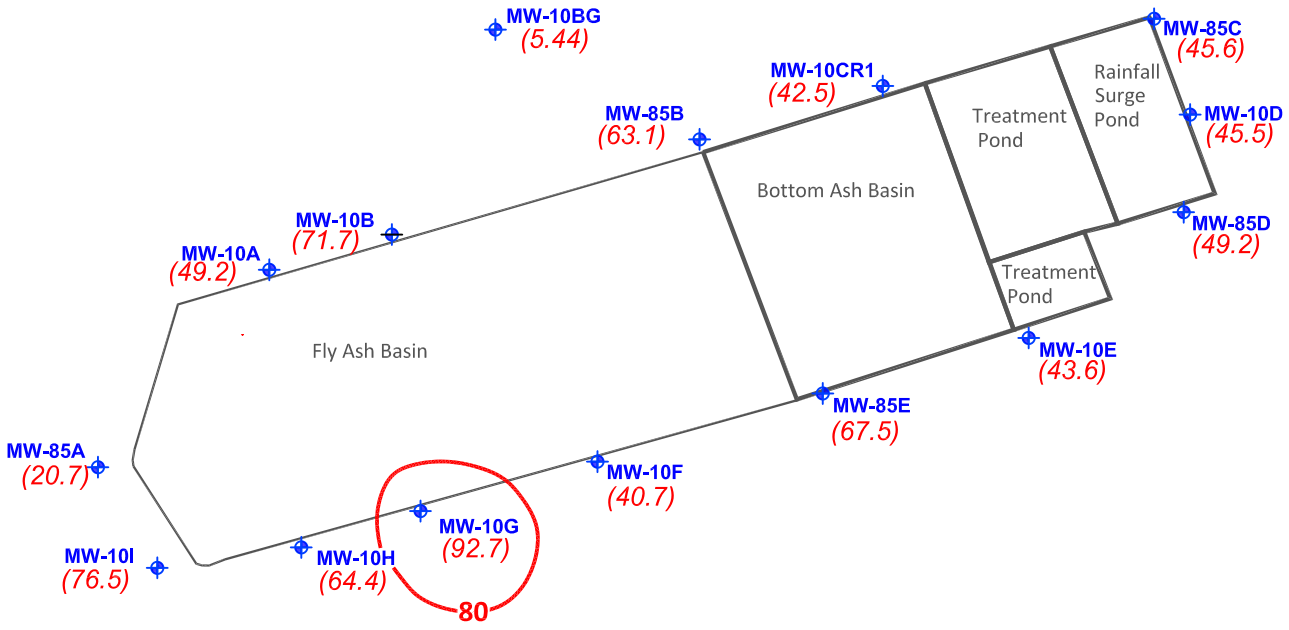
Figure 6



0 500 1,000 2,000 3,000 Feet

Legend

MW-10B Monitoring Well

(20.7) Concentration (mg/L)

80 Concentration Isopleth (mg/L)

CLECO Cajun, LLC

Big Cajun II Power Plant

Chloride Isopleth Map
1st Half 2024

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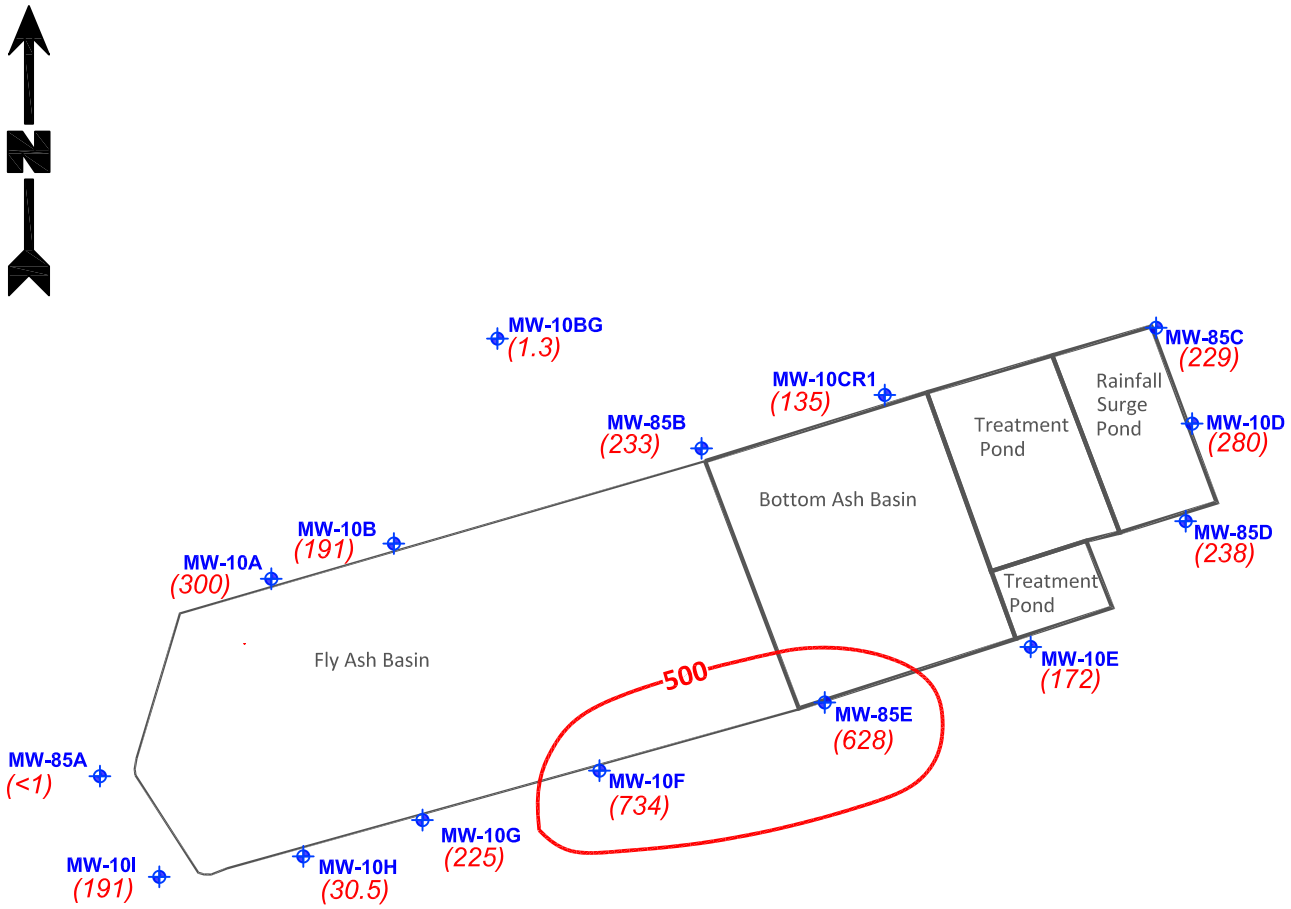
Figure 7



0 500 1,000 2,000 3,000
Feet

Legend

MW-10B — Monitoring Well

(300) — Concentration (mg/L)

500 — Concentration Isopleth (mg/L)

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Big Cajun II Power Plant

Sulfate Isopleth Map
1st Half 2024

Pointe Coupee Parish

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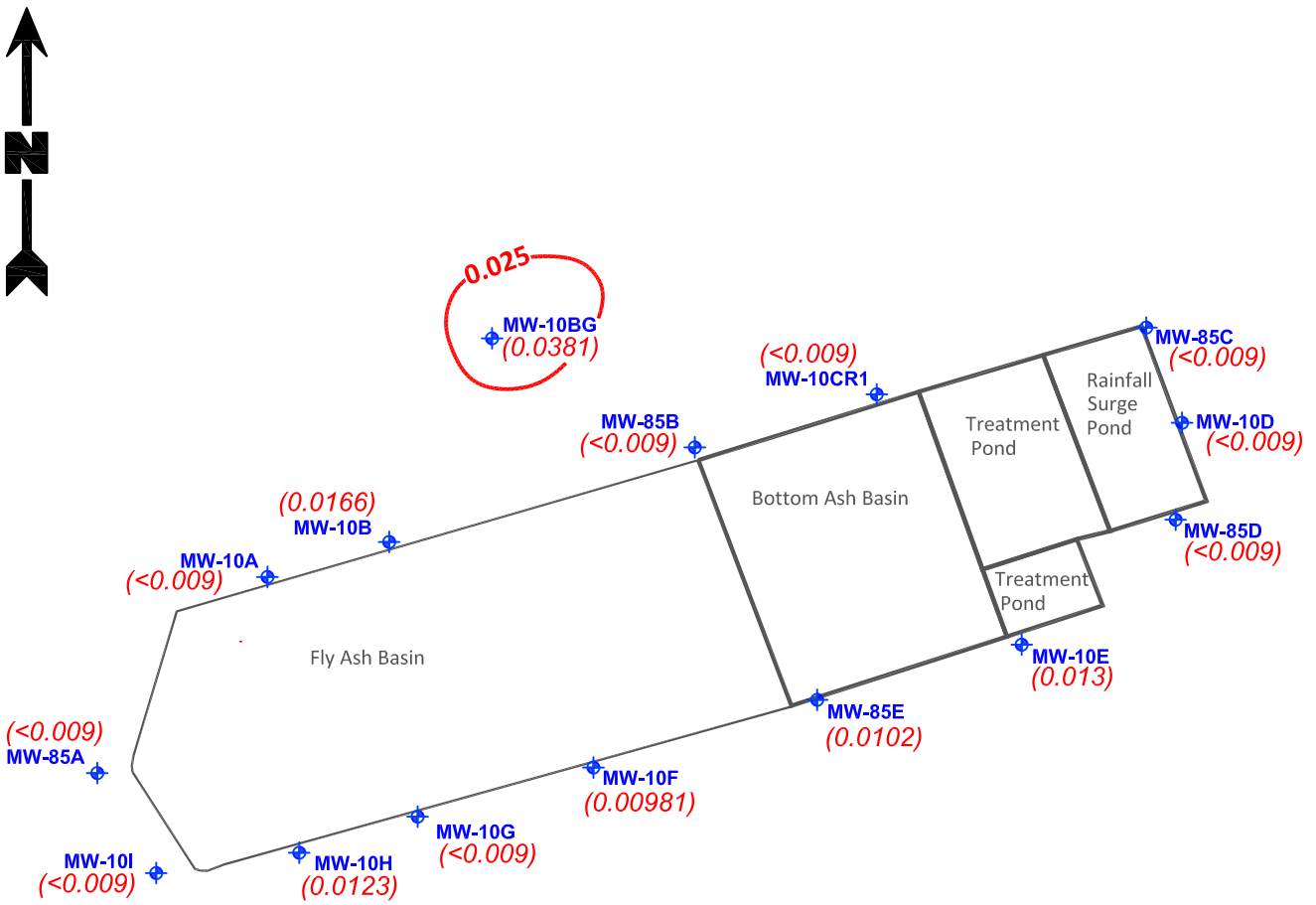
Figure 8



0 500 1,000 2,000 3,000 Feet

Legend

MW-10B Monitoring Well

(0.0381) Concentration (mg/L)

0.025 Concentration Isopleth (mg/L)

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Big Cajun II Power Plant

Arsenic Isopleth Map
1st Half 2024

Pointe Coupee Parish

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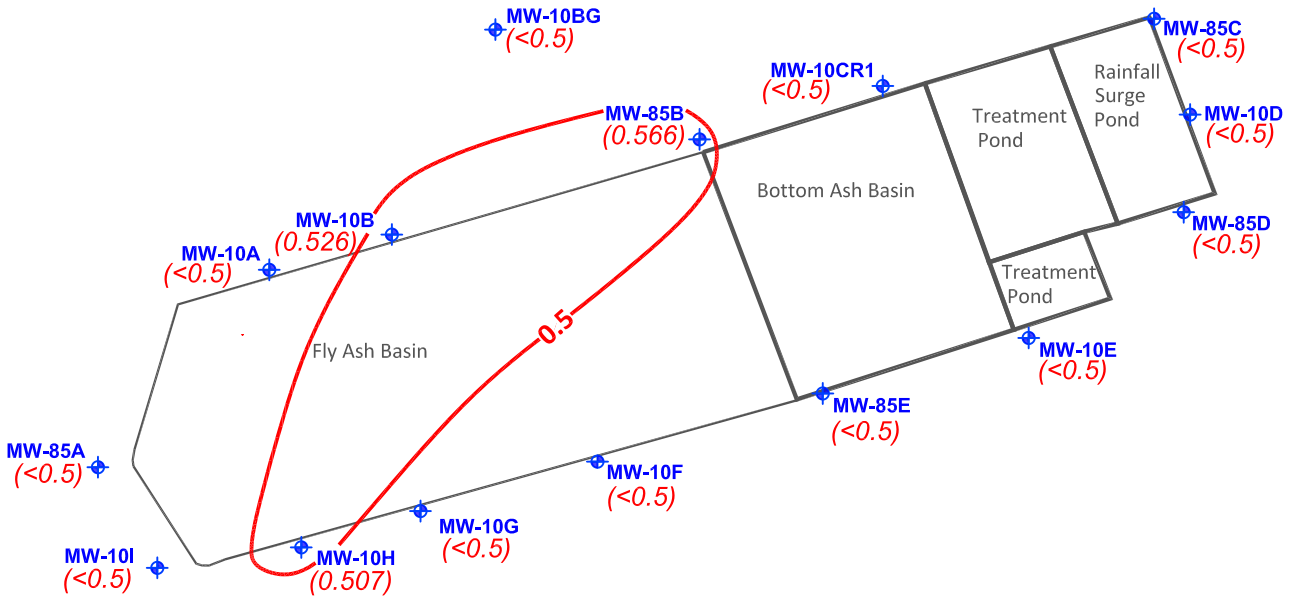
Figure 9



0 500 1,000 2,000 3,000
Feet

Legend

MW-10B Monitoring Well

(0.526) Concentration (mg/L)

0.5 Concentration Isopleth (mg/L)

CLECO Cajun, LLC

Big Cajun II Power Plant

Barium Isopleth Map
1st Half 2024

Pointe Coupee Parish

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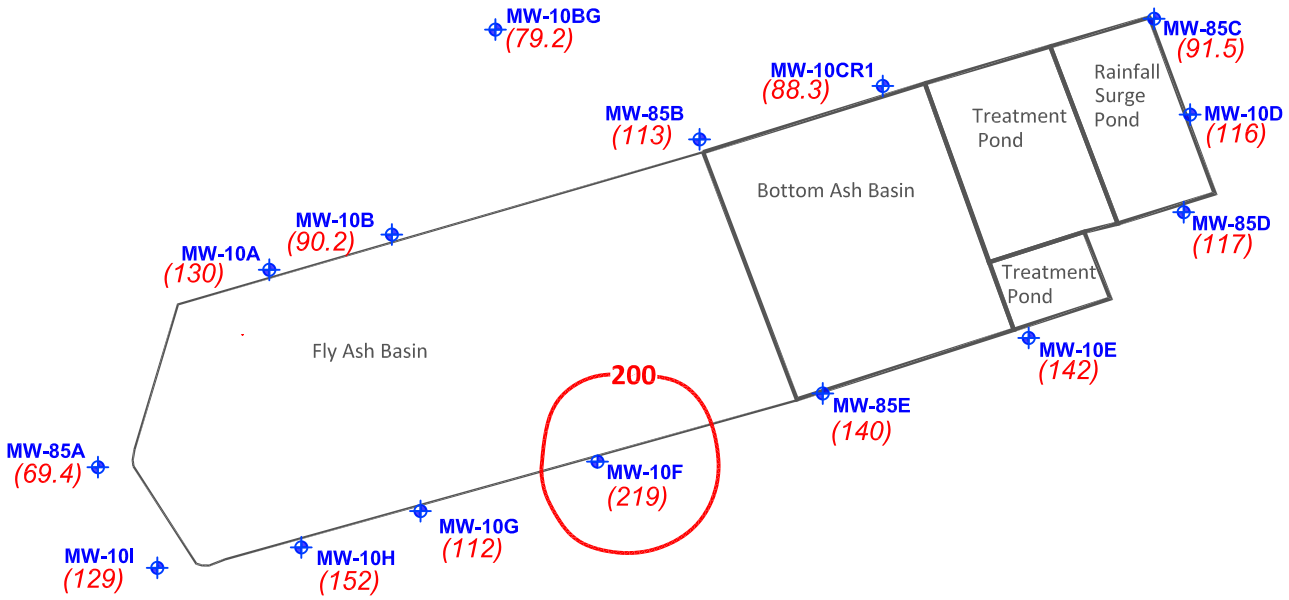
Dwg. No.:	367-23-0003-A009

Figure 10



0 500 1,000 2,000 3,000 Feet

Legend

MW-10B Monitoring Well

(69.4) Concentration (mg/L)

200 Concentration Isopleth (mg/L)

CLECO Cajun, LLC

Big Cajun II Power Plant

Calcium Isopleth Map
1st Half 2024

Pointe Coupee Parish

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Figure 11

Cleco Cajun LLC
Big Cajun II Power Plant
AI #38867

TABLE 1
Monitoring Well Information and Potentiometric Surface Elevations

1st Half 2024

Well ID	Latitude (DMS)	Longitude (DMS)	Installation Date	Zone Monitored	Gradient	Top of Casing Elevation (ft NGVD)	Ground Surface Elevation (ft NGVD)	Top of Screen Elevation (ft NGVD)	Bottom of Screen Elevation (ft NGVD)	Well Depth (ft bgs)	Well Diameter (in)	Feb. 2024 Depth to Water (ft)	Feb. 2024 Potentiometric Surface Elevation* (ft NGVD)
MW-85A	30°43'44"	91°23'50"	Jun 1985	Uppermost	Down	34.82	33.17	-1.58	-21.58	55.75	2	9.52	25.30
MW-85B	30°43'47"	91°22'37"	Jun 1985	Uppermost	Down	32.25	30.60	21.55	1.15	30.45	2	6.40	25.85
MW-85C	30°43'57"	91°22'37"	Jun 1985	Uppermost	Down	35.05	33.46	15.61	-4.74	39.20	2	5.12	29.93
MW-85D	30°43'44"	91°22'25"	Jun 1985	Uppermost	Down	35.71	34.20	16.20	-3.80	39.00	2	5.60	30.11
MW-85E	30°43'30"	91°23'01"	Jun 1985	Uppermost	Down	33.52	32.07	22.97	2.67	30.40	2	8.00	25.52
MW-10A	30°43'37"	91°23'40"	Jun 2011	Uppermost	Down	32.97	29.89	10.57	0.57	29.57	2	5.80	27.17
MW-10B	30°43'39"	91°23'31"	Jun 2011	Uppermost	Down	31.13	27.86	7.98	-2.02	30.13	2	6.25	24.88
MW-10CR1	30°43'50"	91°22'55"	Oct 2016	Uppermost	Down	35.48	32.43	12.95	2.95	29.73	2	9.65	25.83
MW-10D	30°43'48"	91°22'32"	Jun 2011	Uppermost	Down	33.18	30.22	9.83	-0.17	30.64	2	3.60	29.58
MW-10E	30°43'23"	91°23'15"	May 2011	Uppermost	Down	33.54	30.42	9.94	-0.06	30.74	2	9.36	24.18
MW-10F	30°43'32"	91°22'44"	May 2011	Uppermost	Down	31.27	28.97	2.92	-7.08	36.30	2	6.60	24.67
MW-10G	30°43'19"	91°23'28"	Jun 2011	Uppermost	Down	32.17	29.30	0.42	-9.58	39.13	2	7.62	24.55
MW-10H	30°43'17"	91°23'37"	Jun 2011	Uppermost	Down	32.01	29.21	-9.74	-19.74	49.20	2	4.01	28.00
MW-10I	30°43'15"	91°23'48"	Jun 2011	Uppermost	Down	33.12	30.06	0.31	-9.69	40.00	2	9.16	23.96
MW-10BG	30°43'55"	91°23'23"	Jun 2011	Uppermost	Up	33.74	30.79	10.39	0.39	30.65	2	0.52	33.22

Notes:
DMS = Degrees Minutes Seconds
NGVD = National Geodetic Vertical Datum
BGS = Below Ground Surface

Cleco Cajun LLC
Big Cajun II Power Plant
AI #38867

TABLE 2
Assessment Monitoring Parameters
Analytical Data Summary

1st Half 2024

Parameter / Well	MW-85A	*GWPS*	MW-10A	MW-10I	*GWPS*	MW-10BG	*GWPS*	MW-10B	*GWPS*
pH	6.85	NA	7.07	6.96	NA	6.98	NA	6.46	NA
Conductance	0.59	NA	1.12	0.996	NA	0.579	NA	1.01	NA
TDS	348	NA	800	590	NA	338	NA	660	NA
Chloride	20.7	575	49.2	76.5	4,000	5.44	10,750	71.7	15,500
Sulfate	<1	575	300	191	4,000	1.3	10,750	191	15,500
Naphthalene	<0.005	0.01426	<0.005	<0.005	0.0992	<0.005	0.2666	<0.005	0.3844
DRO	<0.118	0.782	<0.12	<0.119	5.44	<0.122	14.62	<0.123	21.08
ORO	<0.118	2.53	<0.12	<0.119	17.6	<0.122	47.3	<0.123	68.2
Arsenic	<0.009	0.023	<0.009	<0.009	0.16	0.0381	0.43	0.0166	0.62
Barium	<0.5	4.6	<0.5	<0.5	32	<0.5	86	0.526	124
Calcium	69.4	NA	130	129	NA	79.2	NA	90.2	NA
Chromium	<0.05	0.23	<0.05	<0.05	1.6	<0.05	4.3	<0.05	6.2
Cobalt	<0.1	5.06	<0.1	<0.1	35.2	<0.1	94.6	<0.1	136.4
Copper	<0.5	2.99	<0.5	<0.5	20.8	<0.5	55.9	<0.5	80.6
Lead	<0.01	0.0345	<0.01	<0.01	0.24	<0.01	0.645	<0.01	0.93
Nickel	<0.05	1.679	<0.05	<0.05	11.68	<0.05	31.39	<0.05	45.26
Selenium	<0.04	0.115	<0.04	<0.04	0.8	<0.04	2.15	<0.04	3.1
Vanadium	<0.01	0.598	<0.01	<0.01	4.16	<0.01	11.18	<0.01	16.12
Zinc	<0.5	25.3	<0.5	<0.5	176	<0.5	473	<0.5	682

Groundwater Protection Standards (GWPS) listed in nearest shaded column to the right of applicable monitoring wells.

Notes:
pH in standard units
Conductance in milliomhos per centimeter
All other parameters in milligrams per liter

TABLE 2
Assessment Monitoring Parameters
Analytical Data Summary

Parameter / Well	MW-85E	MW-10E	MW-10F	MW-10G	MW-10H	*GWPS*
pH	6.83	7.1	6.98	7.29	7.2	NA
Conductance	1.58	1.15	1.83	1.1	1.09	NA
TDS	1,240	748	1,560	780	664	NA
Chloride	67.5	43.6	40.7	92.7	64.4	21,000
Sulfate	628	172	734	225	30.5	21,000
Naphthalene	<0.005	<0.005	<0.005	<0.005	<0.005	0.5208
DRO	<0.116	<0.116	<0.118	<0.116	<0.117	28.56
ORO	<0.116	<0.116	<0.118	<0.116	<0.117	92.4
Arsenic	0.0102	0.013	0.00981	<0.009	0.0123	0.84
Barium	<0.5	<0.5	<0.5	<0.5	0.507	168
Calcium	140	142	219	112	152	NA
Chromium	<0.05	<0.05	<0.05	<0.05	<0.05	8.4
Cobalt	<0.1	<0.1	<0.1	<0.1	<0.1	184.8
Copper	<0.5	<0.5	<0.5	<0.5	<0.5	109.2
Lead	<0.01	<0.01	<0.01	<0.01	<0.01	1.26
Nickel	<0.05	<0.05	<0.05	<0.05	<0.05	61.32
Selenium	<0.04	<0.04	<0.04	<0.04	<0.04	4.2
Vanadium	<0.01	<0.01	<0.01	<0.01	<0.01	21.84
Zinc	<0.5	<0.5	<0.5	<0.5	<0.5	924

Groundwater Protection Standards (GWPS) listed in nearest shaded column to the right of applicable monitoring wells.

Notes:
pH in standard units
Conductance in milliomhos per centimeter
All other parameters in milligrams per liter

TABLE 2
Assessment Monitoring Parameters
Analytical Data Summary

Parameter / Well	MW-85B	MW-85C	MW-85D	MW-10CR1	MW-10D	*GWPS*
pH	7.08	7.42	7.29	7.39	7.41	NA
Conductance	0.948	0.874	0.976	0.823	1.04	NA
TDS	654	608	686	504	772	NA
Chloride	63.1	45.6	49.2	42.5	45.5	27,500
Sulfate	233	229	238	135	280	27,500
Naphthalene	<0.005	<0.005	<0.005	<0.005	<0.005	0.682
DRO	<0.121	<0.121	<0.119	<0.123	<0.121	37.4
ORO	<0.121	<0.121	<0.119	<0.123	<0.121	121
Arsenic	<0.009	<0.009	<0.009	<0.009	<0.009	1.1
Barium	0.566	<0.5	<0.5	<0.5	<0.5	220
Calcium	113	91.5	117	88.3	116	NA
Chromium	<0.05	<0.05	<0.05	<0.05	<0.05	11
Cobalt	<0.1	<0.1	<0.1	<0.1	<0.1	242
Copper	<0.5	<0.5	<0.5	<0.5	<0.5	143
Lead	<0.01	<0.01	<0.01	<0.01	<0.01	1.65
Nickel	<0.05	<0.05	<0.05	<0.05	<0.05	80.3
Selenium	<0.04	<0.04	<0.04	<0.04	<0.04	5.5
Vanadium	<0.01	<0.01	<0.01	<0.01	<0.01	28.6
Zinc	<0.5	<0.5	<0.5	<0.5	<0.5	1,210

Groundwater Protection Standards (GWPS) listed in nearest shaded column to the right of applicable monitoring wells.

Notes:
pH in standard units
Conductance in milliomhos per centimeter
All other parameters in milligrams per liter

APPENDIX A

FIELD SAMPLING FORMS

LOW FLOW GROUNDWATER SAMPLING LOG

MONITORING WELL ID: MW-85A

PROJECT: Cleco Cajun, LLC – Big Cajun II Power Plant

SITE LOCATION: New Roads, LA

PURGING DATE: 2/19/24 WATER QUAL. METER: Horiba U-50

SAMPLING PERSONNEL: M. Starkey & B. Nations DUP OR MS/MSD: Dup

MONITORING WELL INFORMATION

WELL DIAMETER:	2	IN.	Conversion Factors:
DEPTH TO GROUNDWATER (DTW):	9.52	FT.	Well Vol. (2"): H × 0.17 gal/ft
MEASURED TOTAL DEPTH OF WELL (TD):	57.3	FT.	1L = 0.264 gal
SCREEN LENGTH (SL):	20	FT.	
DEPTH TO TOP OF SCREEN (TD-SL):	37.25	FT.	Purge Method:
WATER COLUMN HEIGHT (H=TD-DTW):	47.73	FT.	Low flow via peristaltic pump

LOW FLOW MONITORING PARAMETERS

Time	Volume Purged	pH	Spec. Cond.	Dissolved Oxygen	Temp.	ORP	Depth to Water	Flow Rate	Turbidity, Odor, Color
Hr:Min	gal	S.U.	mmhos/cm	mg/L	°C	mV	Ft	L/min	--
Targets	--	± 0.1	± 3%	± 10%	± 1°C	± 10 mV	<0.3 ft drawdown	<0.5 L/min	--
09:45	8.0	6.84	0.592	2.83	19.0	217	9.58	0.4	56, None, Clear
09:48	8.3	6.82	0.591	2.45	19.1	217	9.56	0.4	55, None, Clear
09:51	8.6	6.82	0.591	2.3	19.3	216	9.55	0.4	58, None, Clear
09:54	8.9	6.84	0.591	1.99	19.0	216	9.52	0.4	54, None, Clear
09:57	9.2	6.85	0.59	1.92	19.2	216	9.52	0.4	56, None, Clear

Notes:

Water Quality measurements obtained every 3 to 5 minutes.

Well is stable once 3 consecutive measurements have been obtained for as many as 3 water quality parameters.

Low flow rate target is 0.1 to 0.5 liters/min (0.026 to 0.132 gal/min).

Sample Collection Date & Time: 2/19/24 DATE 10:00 TIME M.S. INITIALS

LOW FLOW GROUNDWATER SAMPLING LOG

MONITORING WELL ID: MW-85B

PROJECT: Cleco Cajun, LLC – Big Cajun II Power Plant

SITE LOCATION: New Roads, LA

PURGING DATE: 2/20/24 WATER QUAL. METER: Horiba U-50

SAMPLING PERSONNEL: M. Starkey & B. Nations DUP OR MS/MSD:

MONITORING WELL INFORMATION

WELL DIAMETER:	2	IN.	Conversion Factors:
DEPTH TO GROUNDWATER (DTW):	6.40	FT.	Well Vol. (2"): H × 0.17 gal/ft
MEASURED TOTAL DEPTH OF WELL (TD):	32.0	FT.	1L = 0.264 gal
SCREEN LENGTH (SL):	20	FT.	
DEPTH TO TOP OF SCREEN (TD-SL):	12.02	FT.	Purge Method:
WATER COLUMN HEIGHT (H=TD-DTW):	25.62	FT.	Low flow via peristaltic pump

LOW FLOW MONITORING PARAMETERS

Time	Volume Purged	pH	Spec. Cond.	Dissolved Oxygen	Temp.	ORP	Depth to Water	Flow Rate	Turbidity, Odor, Color
Hr:Min	gal	S.U.	mmhos/cm	mg/L	°C	mV	Ft	L/min	--
Targets	--	± 0.1	± 3%	± 10%	± 1°C	± 10 mV	<0.3 ft drawdown	<0.5 L/min	--
10:52	5.0	6.90	0.945	3.21	21.4	243	6.64	0.4	41, None, Clear
10:55	5.3	6.98	0.948	2.4	21.5	241	6.64	0.4	41, None, Clear
10:58	5.6	7.04	0.948	2.01	21.6	240	6.64	0.4	42, None, Clear
11:01	5.9	7.06	0.948	1.83	21.5	239	6.64	0.4	44, None, Clear
11:04	6.2	7.08	0.948	1.67	21.6	239	6.64	0.4	45, None, Clear

Notes:

Water Quality measurements obtained every 3 to 5 minutes.

Well is stable once 3 consecutive measurements have been obtained for as many as 3 water quality parameters.

Low flow rate target is 0.1 to 0.5 liters/min (0.026 to 0.132 gal/min).

Sample Collection Date & Time: 2/20/24 DATE 11:10 TIME M.S. INITIALS

LOW FLOW GROUNDWATER SAMPLING LOG

MONITORING WELL ID: MW-85C

PROJECT: Cleco Cajun, LLC – Big Cajun II Power Plant

SITE LOCATION: New Roads, LA

PURGING DATE: 2/20/24 WATER QUAL. METER: Horiba U-50

SAMPLING PERSONNEL: M. Starkey & B. Nations DUP OR MS/MSD:

MONITORING WELL INFORMATION

WELL DIAMETER:	2	IN.	Conversion Factors:
DEPTH TO GROUNDWATER (DTW):	5.12	FT.	Well Vol. (2"): H × 0.17 gal/ft
MEASURED TOTAL DEPTH OF WELL (TD):	41.1	FT.	1L = 0.264 gal
SCREEN LENGTH (SL):	20	FT.	
DEPTH TO TOP OF SCREEN (TD-SL):	21.07	FT.	Purge Method:
WATER COLUMN HEIGHT (H=TD-DTW):	35.95	FT.	Low flow via peristaltic pump

LOW FLOW MONITORING PARAMETERS

Time	Volume Purged	pH	Spec. Cond.	Dissolved Oxygen	Temp.	ORP	Depth to Water	Flow Rate	Turbidity, Odor, Color
Hr:Min	gal	S.U.	mmhos/cm	mg/L	°C	mV	Ft	L/min	--
Targets	--	± 0.1	± 3%	± 10%	± 1°C	± 10 mV	<0.3 ft drawdown	<0.5 L/min	--
12:10	6.0	7.47	0.872	2.6	22.6	233	5.82	0.4	28, None, Clear
12:13	6.3	7.45	0.872	2.26	22.5	233	5.80	0.4	28, None, Clear
12:16	6.6	7.44	0.869	1.95	22.4	234	5.79	0.4	28, None, Clear
12:19	6.9	7.43	0.868	1.78	22.5	233	5.77	0.4	29, None, Clear
12:22	7.2	7.42	0.874	1.95	22.6	234	5.77	0.4	26, None, Clear

Notes:

Water Quality measurements obtained every 3 to 5 minutes.

Well is stable once 3 consecutive measurements have been obtained for as many as 3 water quality parameters.

Low flow rate target is 0.1 to 0.5 liters/min (0.026 to 0.132 gal/min).

Sample Collection Date & Time: 2/20/24 DATE 12:30 TIME M.S. INITIALS

LOW FLOW GROUNDWATER SAMPLING LOG

MONITORING WELL ID: MW-85D

PROJECT: Cleco Cajun, LLC – Big Cajun II Power Plant

SITE LOCATION: New Roads, LA

PURGING DATE: 2/20/24 WATER QUAL. METER: Horiba U-50

SAMPLING PERSONNEL: M. Starkey & B. Nations DUP OR MS/MSD:

MONITORING WELL INFORMATION

WELL DIAMETER:	2	IN.	Conversion Factors:
DEPTH TO GROUNDWATER (DTW):	5.60	FT.	Well Vol. (2"): H × 0.17 gal/ft
MEASURED TOTAL DEPTH OF WELL (TD):	40.5	FT.	1L = 0.264 gal
SCREEN LENGTH (SL):	20	FT.	
DEPTH TO TOP OF SCREEN (TD-SL):	20.50	FT.	Purge Method:
WATER COLUMN HEIGHT (H=TD-DTW):	34.90	FT.	Low flow via peristaltic pump

LOW FLOW MONITORING PARAMETERS

Time	Volume Purged	pH	Spec. Cond.	Dissolved Oxygen	Temp.	ORP	Depth to Water	Flow Rate	Turbidity, Odor, Color
Hr:Min	gal	S.U.	mmhos/cm	mg/L	°C	mV	Ft	L/min	--
Targets	--	± 0.1	± 3%	± 10%	± 1°C	± 10 mV	<0.3 ft drawdown	<0.5 L/min	--
13:40	6.0	7.31	0.975	2.27	22.0	230	6.58	0.4	43, None, Clear
13:43	6.3	7.30	0.975	1.93	22.0	232	6.30	0.4	19, None, Clear
13:46	6.6	7.30	0.975	1.7	22.2	232	6.32	0.4	8.2, None, Clear
13:49	6.9	7.29	0.976	1.56	22.1	233	6.31	0.4	18, None, Clear
13:52	7.2	7.29	0.976	1.47	22.2	233	6.33	0.4	5, None, Clear

Notes:

Water Quality measurements obtained every 3 to 5 minutes.

Well is stable once 3 consecutive measurements have been obtained for as many as 3 water quality parameters.

Low flow rate target is 0.1 to 0.5 liters/min (0.026 to 0.132 gal/min).

Sample Collection Date & Time: 2/20/24 DATE 14:00 TIME M.S. INITIALS

LOW FLOW GROUNDWATER SAMPLING LOG

MONITORING WELL ID: MW-85E

PROJECT: Cleco Cajun, LLC – Big Cajun II Power Plant

SITE LOCATION: New Roads, LA

PURGING DATE: 2/19/24 WATER QUAL. METER: Horiba U-50

SAMPLING PERSONNEL: M. Starkey & B. Nations DUP OR MS/MSD:

MONITORING WELL INFORMATION

WELL DIAMETER:	2	IN.	Conversion Factors:
DEPTH TO GROUNDWATER (DTW):	8.00	FT.	Well Vol. (2"): H × 0.17 gal/ft
MEASURED TOTAL DEPTH OF WELL (TD):	31.9	FT.	1L = 0.264 gal
SCREEN LENGTH (SL):	20	FT.	
DEPTH TO TOP OF SCREEN (TD-SL):	11.86	FT.	Purge Method:
WATER COLUMN HEIGHT (H=TD-DTW):	23.86	FT.	Low flow via peristaltic pump

LOW FLOW MONITORING PARAMETERS

Time	Volume Purged	pH	Spec. Cond.	Dissolved Oxygen	Temp.	ORP	Depth to Water	Flow Rate	Turbidity, Odor, Color
Hr:Min	gal	S.U.	mmhos/cm	mg/L	°C	mV	Ft	L/min	--
Targets	--	± 0.1	± 3%	± 10%	± 1°C	± 10 mV	<0.3 ft drawdown	<0.5 L/min	--
13:15	4.0	6.84	1.58	1.17	25.8	225	8.20	0.4	39, None, Clear
13:18	4.3	6.84	1.58	1.1	25.8	225	8.17	0.4	37, None, Clear
13:21	4.6	6.85	1.61	1.02	25.9	225	8.13	0.4	32, None, Clear
13:24	4.9	6.84	1.58	0.95	26.1	225	8.13	0.4	31, None, Clear
13:27	5.2	6.83	1.58	0.91	26.3	224	8.11	0.4	31, None, Clear

Notes:

Water Quality measurements obtained every 3 to 5 minutes.

Well is stable once 3 consecutive measurements have been obtained for as many as 3 water quality parameters.

Low flow rate target is 0.1 to 0.5 liters/min (0.026 to 0.132 gal/min).

Sample Collection Date & Time: 2/19/24 DATE 13:30 TIME M.S. INITIALS

LOW FLOW GROUNDWATER SAMPLING LOG

MONITORING WELL ID: MW-10A

PROJECT: Cleco Cajun, LLC – Big Cajun II Power Plant

SITE LOCATION: New Roads, LA

PURGING DATE: 2/20/24 WATER QUAL. METER: Horiba U-50

SAMPLING PERSONNEL: M. Starkey & B. Nations DUP OR MS/MSD:

MONITORING WELL INFORMATION

WELL DIAMETER:	2	IN.	Conversion Factors:
DEPTH TO GROUNDWATER (DTW):	5.80	FT.	Well Vol. (2"): H × 0.17 gal/ft
MEASURED TOTAL DEPTH OF WELL (TD):	32.9	FT.	1L = 0.264 gal
SCREEN LENGTH (SL):	10	FT.	
DEPTH TO TOP OF SCREEN (TD-SL):	22.90	FT.	Purge Method:
WATER COLUMN HEIGHT (H=TD-DTW):	27.10	FT.	Low flow via peristaltic pump

LOW FLOW MONITORING PARAMETERS

Time	Volume Purged	pH	Spec. Cond.	Dissolved Oxygen	Temp.	ORP	Depth to Water	Flow Rate	Turbidity, Odor, Color
Hr:Min	gal	S.U.	mmhos/cm	mg/L	°C	mV	Ft	L/min	--
Targets	--	± 0.1	± 3%	± 10%	± 1°C	± 10 mV	<0.3 ft drawdown	<0.5 L/min	--
09:40	5.0	6.90	1.12	2.01	21.2	237	10.90	0.4	43, None, Clear
09:43	5.3	7.00	1.12	1.82	21.3	237	10.64	0.4	45, None, Clear
09:46	5.6	7.04	1.12	1.64	21.4	237	10.65	0.4	47, None, Clear
09:49	5.9	7.06	1.12	1.55	21.5	237	10.66	0.4	48, None, Clear
09:52	6.2	7.07	1.12	1.47	21.5	237	10.65	0.4	46, None, Clear

Notes:

Water Quality measurements obtained every 3 to 5 minutes.

Well is stable once 3 consecutive measurements have been obtained for as many as 3 water quality parameters.

Low flow rate target is 0.1 to 0.5 liters/min (0.026 to 0.132 gal/min).

Sample Collection Date & Time: 2/20/24 DATE 09:55 TIME M.S. INITIALS

LOW FLOW GROUNDWATER SAMPLING LOG

MONITORING WELL ID: MW-10B

PROJECT: Cleco Cajun, LLC – Big Cajun II Power Plant

SITE LOCATION: New Roads, LA

PURGING DATE: 2/20/24 WATER QUAL. METER: Horiba U-50

SAMPLING PERSONNEL: M. Starkey & B. Nations DUP OR MS/MSD:

MONITORING WELL INFORMATION

WELL DIAMETER:	2	IN.	Conversion Factors:
DEPTH TO GROUNDWATER (DTW):	6.25	FT.	Well Vol. (2"): H × 0.17 gal/ft
MEASURED TOTAL DEPTH OF WELL (TD):	33.5	FT.	1L = 0.264 gal
SCREEN LENGTH (SL):	10	FT.	
DEPTH TO TOP OF SCREEN (TD-SL):	23.53	FT.	Purge Method:
WATER COLUMN HEIGHT (H=TD-DTW):	27.28	FT.	Low flow via peristaltic pump

LOW FLOW MONITORING PARAMETERS

Time	Volume Purged	pH	Spec. Cond.	Dissolved Oxygen	Temp.	ORP	Depth to Water	Flow Rate	Turbidity, Odor, Color
Hr:Min	gal	S.U.	mmhos/cm	mg/L	°C	mV	Ft	L/min	--
Targets	--	± 0.1	± 3%	± 10%	± 1°C	± 10 mV	<0.3 ft drawdown	<0.5 L/min	--
10:15	5.0	6.51	0.99	1.76	21.1	250	7.23	0.4	24, None, Clear
10:18	5.3	6.47	1	1.51	21.1	252	7.23	0.4	22, None, Clear
10:21	5.6	6.47	1.01	1.36	21.1	253	7.23	0.4	24, None, Clear
10:24	5.9	6.47	1.01	1.28	21.1	254	7.23	0.4	26, None, Clear
10:27	6.2	6.46	1.01	1.23	21.2	254	7.23	0.4	25, None, Clear

Notes:

Water Quality measurements obtained every 3 to 5 minutes.

Well is stable once 3 consecutive measurements have been obtained for as many as 3 water quality parameters.

Low flow rate target is 0.1 to 0.5 liters/min (0.026 to 0.132 gal/min).

Sample Collection Date & Time: 2/20/24 DATE 10:30 TIME M.S. INITIALS

LOW FLOW GROUNDWATER SAMPLING LOG

MONITORING WELL ID: MW-10CR1

PROJECT: Cleco Cajun, LLC – Big Cajun II Power Plant

SITE LOCATION: New Roads, LA

PURGING DATE: 2/20/24 WATER QUAL. METER: Horiba U-50

SAMPLING PERSONNEL: M. Starkey & B. Nations DUP OR MS/MSD:

MONITORING WELL INFORMATION

WELL DIAMETER:	2	IN.	Conversion Factors:
DEPTH TO GROUNDWATER (DTW):	9.65	FT.	Well Vol. (2"): H × 0.17 gal/ft
MEASURED TOTAL DEPTH OF WELL (TD):	32.5	FT.	1L = 0.264 gal
SCREEN LENGTH (SL):	10	FT.	
DEPTH TO TOP OF SCREEN (TD-SL):	22.50	FT.	Purge Method:
WATER COLUMN HEIGHT (H=TD-DTW):	22.85	FT.	Low flow via peristaltic pump

LOW FLOW MONITORING PARAMETERS

Time	Volume Purged	pH	Spec. Cond.	Dissolved Oxygen	Temp.	ORP	Depth to Water	Flow Rate	Turbidity, Odor, Color
Hr:Min	gal	S.U.	mmhos/cm	mg/L	°C	mV	Ft	L/min	--
Targets	--	± 0.1	± 3%	± 10%	± 1°C	± 10 mV	<0.3 ft drawdown	<0.5 L/min	--
11:30	4.0	7.35	0.819	1.94	20.8	229	15.58	0.4	13, None, Clear
11:33	4.3	7.39	0.82	1.65	20.8	229	15.32	0.4	22, None, Clear
11:36	4.6	7.39	0.824	1.5	20.9	229	15.12	0.4	27, None, Clear
11:39	4.9	7.39	0.826	1.39	20.9	229	14.78	0.4	25, None, Clear
11:42	5.2	7.39	0.823	1.27	21.0	229	14.72	0.4	32, None, Clear

Notes:

Water Quality measurements obtained every 3 to 5 minutes.

Well is stable once 3 consecutive measurements have been obtained for as many as 3 water quality parameters.

Low flow rate target is 0.1 to 0.5 liters/min (0.026 to 0.132 gal/min).

Sample Collection Date & Time: 2/20/24 DATE 11:45 TIME M.S. INITIALS

LOW FLOW GROUNDWATER SAMPLING LOG

MONITORING WELL ID: MW-10D

PROJECT: Cleco Cajun, LLC – Big Cajun II Power Plant

SITE LOCATION: New Roads, LA

PURGING DATE: 2/20/24 WATER QUAL. METER: Horiba U-50

SAMPLING PERSONNEL: M. Starkey & B. Nations DUP OR MS/MSD:

MONITORING WELL INFORMATION

WELL DIAMETER:	2	IN.	Conversion Factors:
DEPTH TO GROUNDWATER (DTW):	3.60	FT.	Well Vol. (2"): H × 0.17 gal/ft
MEASURED TOTAL DEPTH OF WELL (TD):	33.9	FT.	1L = 0.264 gal
SCREEN LENGTH (SL):	10	FT.	
DEPTH TO TOP OF SCREEN (TD-SL):	23.86	FT.	Purge Method:
WATER COLUMN HEIGHT (H=TD-DTW):	30.26	FT.	Low flow via peristaltic pump

LOW FLOW MONITORING PARAMETERS

Time	Volume Purged	pH	Spec. Cond.	Dissolved Oxygen	Temp.	ORP	Depth to Water	Flow Rate	Turbidity, Odor, Color
Hr:Min	gal	S.U.	mmhos/cm	mg/L	°C	mV	Ft	L/min	--
Targets	--	± 0.1	± 3%	± 10%	± 1°C	± 10 mV	<0.3 ft drawdown	<0.5 L/min	--
12:50	5.0	7.44	1.05	5.36	21.3	229	4.45	0.4	49, None, Clear
12:53	5.3	7.43	1.04	5.16	21.1	231	4.28	0.4	49, None, Clear
12:56	5.6	7.41	1.04	4.9	21.4	232	4.38	0.4	48, None, Clear
12:59	5.9	7.41	1.04	4.89	21.5	232	4.40	0.4	50, None, Clear
13:02	6.2	7.41	1.04	4.86	21.4	232	4.41	0.4	49, None, Clear

Notes:

Water Quality measurements obtained every 3 to 5 minutes.

Well is stable once 3 consecutive measurements have been obtained for as many as 3 water quality parameters.

Low flow rate target is 0.1 to 0.5 liters/min (0.026 to 0.132 gal/min).

Sample Collection Date & Time: 2/20/24 DATE 13:10 TIME M.S. INITIALS

LOW FLOW GROUNDWATER SAMPLING LOG

MONITORING WELL ID: MW-10E

PROJECT: Cleco Cajun, LLC – Big Cajun II Power Plant

SITE LOCATION: New Roads, LA

PURGING DATE: 2/19/24 WATER QUAL. METER: Horiba U-50

SAMPLING PERSONNEL: M. Starkey & B. Nations DUP OR MS/MSD:

MONITORING WELL INFORMATION

WELL DIAMETER:	2	IN.	Conversion Factors:
DEPTH TO GROUNDWATER (DTW):	9.36	FT.	Well Vol. (2"): H × 0.17 gal/ft
MEASURED TOTAL DEPTH OF WELL (TD):	34.1	FT.	1L = 0.264 gal
SCREEN LENGTH (SL):	10	FT.	
DEPTH TO TOP OF SCREEN (TD-SL):	24.09	FT.	Purge Method:
WATER COLUMN HEIGHT (H=TD-DTW):	24.73	FT.	Low flow via peristaltic pump

LOW FLOW MONITORING PARAMETERS

Time	Volume Purged	pH	Spec. Cond.	Dissolved Oxygen	Temp.	ORP	Depth to Water	Flow Rate	Turbidity, Odor, Color
Hr:Min	gal	S.U.	mmhos/cm	mg/L	°C	mV	Ft	L/min	--
Targets	--	± 0.1	± 3%	± 10%	± 1°C	± 10 mV	<0.3 ft drawdown	<0.5 L/min	--
14:00	4.0	7.12	1.13	1.73	21.1	207	15.81	0.4	34, None, Clear
14:03	4.3	7.11	1.14	1.43	21.3	207	15.91	0.4	25, None, Clear
14:06	4.6	7.11	1.14	1.29	21.3	208	15.50	0.4	19, None, Clear
14:09	4.9	7.09	1.14	1.18	21.3	209	15.40	0.4	19, None, Clear
14:12	5.2	7.10	1.15	1.04	21.2	209	15.34	0.4	19, None, Clear

Notes:

Water Quality measurements obtained every 3 to 5 minutes.

Well is stable once 3 consecutive measurements have been obtained for as many as 3 water quality parameters.

Low flow rate target is 0.1 to 0.5 liters/min (0.026 to 0.132 gal/min).

Sample Collection Date & Time: 2/19/24 DATE 14:15 TIME M.S. INITIALS

LOW FLOW GROUNDWATER SAMPLING LOG

MONITORING WELL ID: MW-10F

PROJECT: Cleco Cajun, LLC – Big Cajun II Power Plant

SITE LOCATION: New Roads, LA

PURGING DATE: 2/19/24 WATER QUAL. METER: Horiba U-50

SAMPLING PERSONNEL: M. Starkey & B. Nations DUP OR MS/MSD:

MONITORING WELL INFORMATION

WELL DIAMETER:	2	IN.	Conversion Factors:
DEPTH TO GROUNDWATER (DTW):	6.60	FT.	Well Vol. (2"): H × 0.17 gal/ft
MEASURED TOTAL DEPTH OF WELL (TD):	38.8	FT.	1L = 0.264 gal
SCREEN LENGTH (SL):	10	FT.	
DEPTH TO TOP OF SCREEN (TD-SL):	28.83	FT.	Purge Method:
WATER COLUMN HEIGHT (H=TD-DTW):	32.23	FT.	Low flow via peristaltic pump

LOW FLOW MONITORING PARAMETERS

Time	Volume Purged	pH	Spec. Cond.	Dissolved Oxygen	Temp.	ORP	Depth to Water	Flow Rate	Turbidity, Odor, Color
Hr:Min	gal	S.U.	mmhos/cm	mg/L	°C	mV	Ft	L/min	--
Targets	--	± 0.1	± 3%	± 10%	± 1°C	± 10 mV	<0.3 ft drawdown	<0.5 L/min	--
12:30	5.0	7.00	1.82	1.74	21.5	221	7.60	0.4	47, None, Clear
12:33	5.3	6.99	1.83	1.42	21.6	221	7.60	0.4	49, None, Clear
12:36	5.6	6.99	1.83	1.31	21.6	221	7.60	0.4	50, None, Clear
12:39	5.9	6.98	1.83	1.18	21.6	222	7.60	0.4	48, None, Clear
12:42	6.2	6.98	1.83	1.1	21.7	221	7.60	0.4	47, None, Clear

Notes:

Water Quality measurements obtained every 3 to 5 minutes.

Well is stable once 3 consecutive measurements have been obtained for as many as 3 water quality parameters.

Low flow rate target is 0.1 to 0.5 liters/min (0.026 to 0.132 gal/min).

Sample Collection Date & Time: 2/19/24 DATE 12:45 TIME M.S. INITIALS

LOW FLOW GROUNDWATER SAMPLING LOG

MONITORING WELL ID: MW-10G

PROJECT: Cleco Cajun, LLC – Big Cajun II Power Plant

SITE LOCATION: New Roads, LA

PURGING DATE: 2/19/24 WATER QUAL. METER: Horiba U-50

SAMPLING PERSONNEL: M. Starkey & B. Nations DUP OR MS/MSD:

MONITORING WELL INFORMATION

WELL DIAMETER:	2	IN.	Conversion Factors:
DEPTH TO GROUNDWATER (DTW):	7.62	FT.	Well Vol. (2"): H × 0.17 gal/ft
MEASURED TOTAL DEPTH OF WELL (TD):	42.2	FT.	1L = 0.264 gal
SCREEN LENGTH (SL):	10	FT.	
DEPTH TO TOP OF SCREEN (TD-SL):	32.20	FT.	Purge Method:
WATER COLUMN HEIGHT (H=TD-DTW):	34.58	FT.	Low flow via peristaltic pump

LOW FLOW MONITORING PARAMETERS

Time	Volume Purged	pH	Spec. Cond.	Dissolved Oxygen	Temp.	ORP	Depth to Water	Flow Rate	Turbidity, Odor, Color
Hr:Min	gal	S.U.	mmhos/cm	mg/L	°C	mV	Ft	L/min	--
Targets	--	± 0.1	± 3%	± 10%	± 1°C	± 10 mV	<0.3 ft drawdown	<0.5 L/min	--
12:00	6.0	7.33	1.09	2.46	21.5	212	10.40	0.4	53, None, Clear
12:03	6.3	7.36	1.1	1.85	21.6	212	10.29	0.4	51, None, Clear
12:06	6.6	7.29	1.1	1.57	21.6	212	10.34	0.4	53, None, Clear
12:09	6.9	7.29	1.05	1.37	21.5	211	10.37	0.4	52, None, Clear
12:12	7.2	7.29	1.1	1.3	21.6	211	10.42	0.4	52, None, Clear

Notes:

Water Quality measurements obtained every 3 to 5 minutes.

Well is stable once 3 consecutive measurements have been obtained for as many as 3 water quality parameters.

Low flow rate target is 0.1 to 0.5 liters/min (0.026 to 0.132 gal/min).

Sample Collection Date & Time: 2/19/24 DATE 12:15 TIME M.S. INITIALS

LOW FLOW GROUNDWATER SAMPLING LOG

MONITORING WELL ID: MW-10H

PROJECT: Cleco Cajun, LLC – Big Cajun II Power Plant

SITE LOCATION: New Roads, LA

PURGING DATE: 2/19/24 WATER QUAL. METER: Horiba U-50

SAMPLING PERSONNEL: M. Starkey & B. Nations DUP OR MS/MSD:

MONITORING WELL INFORMATION

WELL DIAMETER:	2	IN.	Conversion Factors:
DEPTH TO GROUNDWATER (DTW):	4.01	FT.	Well Vol. (2"): H × 0.17 gal/ft
MEASURED TOTAL DEPTH OF WELL (TD):	52.2	FT.	1L = 0.264 gal
SCREEN LENGTH (SL):	10	FT.	
DEPTH TO TOP OF SCREEN (TD-SL):	42.23	FT.	Purge Method:
WATER COLUMN HEIGHT (H=TD-DTW):	48.22	FT.	Low flow via peristaltic pump

LOW FLOW MONITORING PARAMETERS

Time	Volume Purged	pH	Spec. Cond.	Dissolved Oxygen	Temp.	ORP	Depth to Water	Flow Rate	Turbidity, Odor, Color
Hr:Min	gal	S.U.	mmhos/cm	mg/L	°C	mV	Ft	L/min	--
Targets	--	± 0.1	± 3%	± 10%	± 1°C	± 10 mV	<0.3 ft drawdown	<0.5 L/min	--
11:15	8.0	7.14	1.05	2.01	21.2	223	20.89	0.4	39, None, Clear
11:18	8.3	7.16	1.05	1.62	21.0	222	19.55	0.4	45, None, Clear
11:21	8.6	7.18	1.07	1.41	21.2	221	18.91	0.4	40, None, Clear
11:24	8.9	7.19	1.1	1.24	21.2	220	19.43	0.4	46, None, Clear
11:27	9.2	7.20	1.09	1.16	21.3	220	19.46	0.4	41, None, Clear

Notes:

Water Quality measurements obtained every 3 to 5 minutes.

Well is stable once 3 consecutive measurements have been obtained for as many as 3 water quality parameters.

Low flow rate target is 0.1 to 0.5 liters/min (0.026 to 0.132 gal/min).

Sample Collection Date & Time: 2/19/24 DATE 11:30 TIME M.S. INITIALS

LOW FLOW GROUNDWATER SAMPLING LOG

MONITORING WELL ID: MW-10I

PROJECT: Cleco Cajun, LLC – Big Cajun II Power Plant

SITE LOCATION: New Roads, LA

PURGING DATE: 2/19/24 WATER QUAL. METER: Horiba U-50

SAMPLING PERSONNEL: M. Starkey & B. Nations DUP OR MS/MSD:

MONITORING WELL INFORMATION

WELL DIAMETER:	2	IN.	Conversion Factors:
DEPTH TO GROUNDWATER (DTW):	9.16	FT.	Well Vol. (2"): H × 0.17 gal/ft
MEASURED TOTAL DEPTH OF WELL (TD):	43.2	FT.	1L = 0.264 gal
SCREEN LENGTH (SL):	10	FT.	
DEPTH TO TOP OF SCREEN (TD-SL):	33.22	FT.	Purge Method:
WATER COLUMN HEIGHT (H=TD-DTW):	34.06	FT.	Low flow via peristaltic pump

LOW FLOW MONITORING PARAMETERS

Time	Volume Purged	pH	Spec. Cond.	Dissolved Oxygen	Temp.	ORP	Depth to Water	Flow Rate	Turbidity, Odor, Color
Hr:Min	gal	S.U.	mmhos/cm	mg/L	°C	mV	Ft	L/min	--
Targets	--	± 0.1	± 3%	± 10%	± 1°C	± 10 mV	<0.3 ft drawdown	<0.5 L/min	--
10:30	6.0	6.81	0.997	2.13	19.7	222	10.04	0.4	48, None, Clear
10:33	6.3	6.89	0.997	1.75	19.7	221	10.02	0.4	49, None, Clear
10:36	6.6	6.92	0.996	1.43	19.7	221	10.03	0.4	54, None, Clear
10:39	6.9	6.95	0.996	1.28	19.8	221	10.03	0.4	54, None, Clear
10:42	7.2	6.96	0.996	1.22	19.8	221	10.04	0.4	53, None, Clear

Notes:

Water Quality measurements obtained every 3 to 5 minutes.

Well is stable once 3 consecutive measurements have been obtained for as many as 3 water quality parameters.

Low flow rate target is 0.1 to 0.5 liters/min (0.026 to 0.132 gal/min).

Sample Collection Date & Time: 2/19/24 DATE 10:45 TIME M.S. INITIALS

LOW FLOW GROUNDWATER SAMPLING LOG

MONITORING WELL ID: MW-10BG

PROJECT: Cleco Cajun, LLC – Big Cajun II Power Plant

SITE LOCATION: New Roads, LA

PURGING DATE: 2/21/24 WATER QUAL. METER: Horiba U-50

SAMPLING PERSONNEL: M. Starkey & B. Nations DUP OR MS/MSD:

MONITORING WELL INFORMATION

WELL DIAMETER:	2	IN.	Conversion Factors:
DEPTH TO GROUNDWATER (DTW):	0.52	FT.	Well Vol. (2"): H × 0.17 gal/ft
MEASURED TOTAL DEPTH OF WELL (TD):	33.8	FT.	1L = 0.264 gal
SCREEN LENGTH (SL):	10	FT.	
DEPTH TO TOP OF SCREEN (TD-SL):	23.76	FT.	Purge Method:
WATER COLUMN HEIGHT (H=TD-DTW):	33.24	FT.	Low flow via peristaltic pump

LOW FLOW MONITORING PARAMETERS

Time	Volume Purged	pH	Spec. Cond.	Dissolved Oxygen	Temp.	ORP	Depth to Water	Flow Rate	Turbidity, Odor, Color
Hr:Min	gal	S.U.	mmhos/cm	mg/L	°C	mV	Ft	L/min	--
Targets	--	± 0.1	± 3%	± 10%	± 1°C	± 10 mV	<0.3 ft drawdown	<0.5 L/min	--
09:40	4.0	6.70	0.578	3.43	21.2	267	12.48	0.4	21, None, Clear
09:43	4.3	6.81	0.578	3.1	21.3	263	12.48	0.4	22, None, Clear
09:46	4.6	6.89	0.579	2.61	21.3	259	12.48	0.4	28, None, Clear
09:49	4.9	6.94	0.579	2.37	21.4	257	12.48	0.4	30, None, Clear
09:52	5.2	6.96	0.579	2.19	21.4	256	12.47	0.4	19, None, Clear
09:55	5.5	6.98	0.579	2.06	21.4	255	12.48	0.4	17, None, Clear

Notes:

Water Quality measurements obtained every 3 to 5 minutes.

Well is stable once 3 consecutive measurements have been obtained for as many as 3 water quality parameters.

Low flow rate target is 0.1 to 0.5 liters/min (0.026 to 0.132 gal/min).

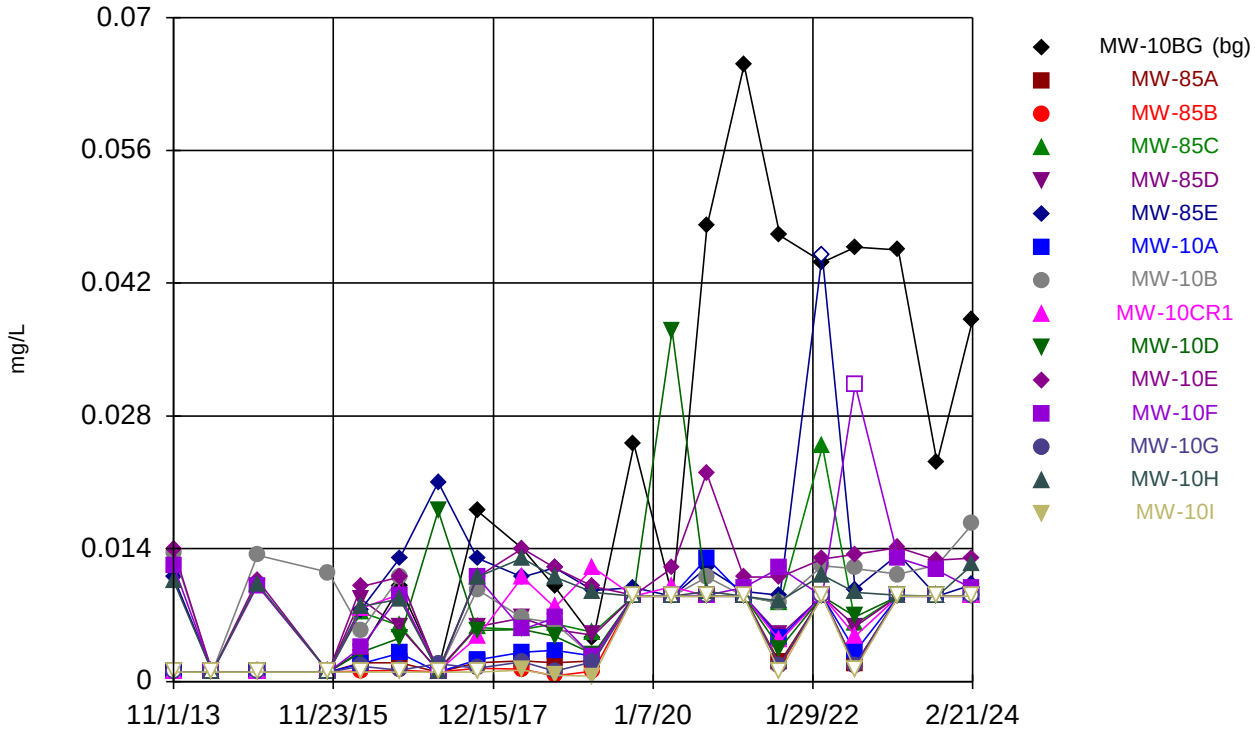
Sample Collection Date & Time: 2/21/24 DATE 10:00 TIME M.S. INITIALS

APPENDIX B

TREND ANALYSIS CHARTS

Sanitas™ v.10.0.16 Software licensed to . UG
Hollow symbols indicate censored values.

Arsenic



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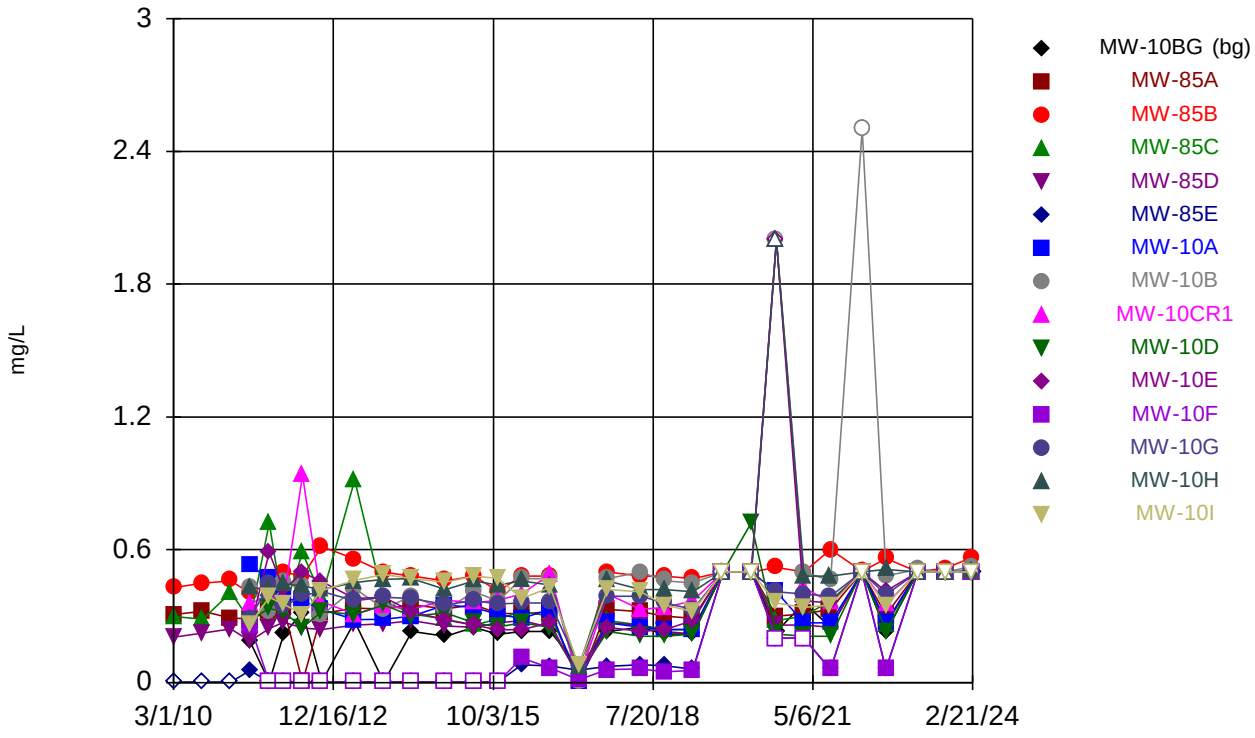
Cleco Big Cajun II Data: Big Cajun II

Sanitas™ v.10.0.16 Software licensed to . UG
Hollow symbols indicate censored values.

Barium



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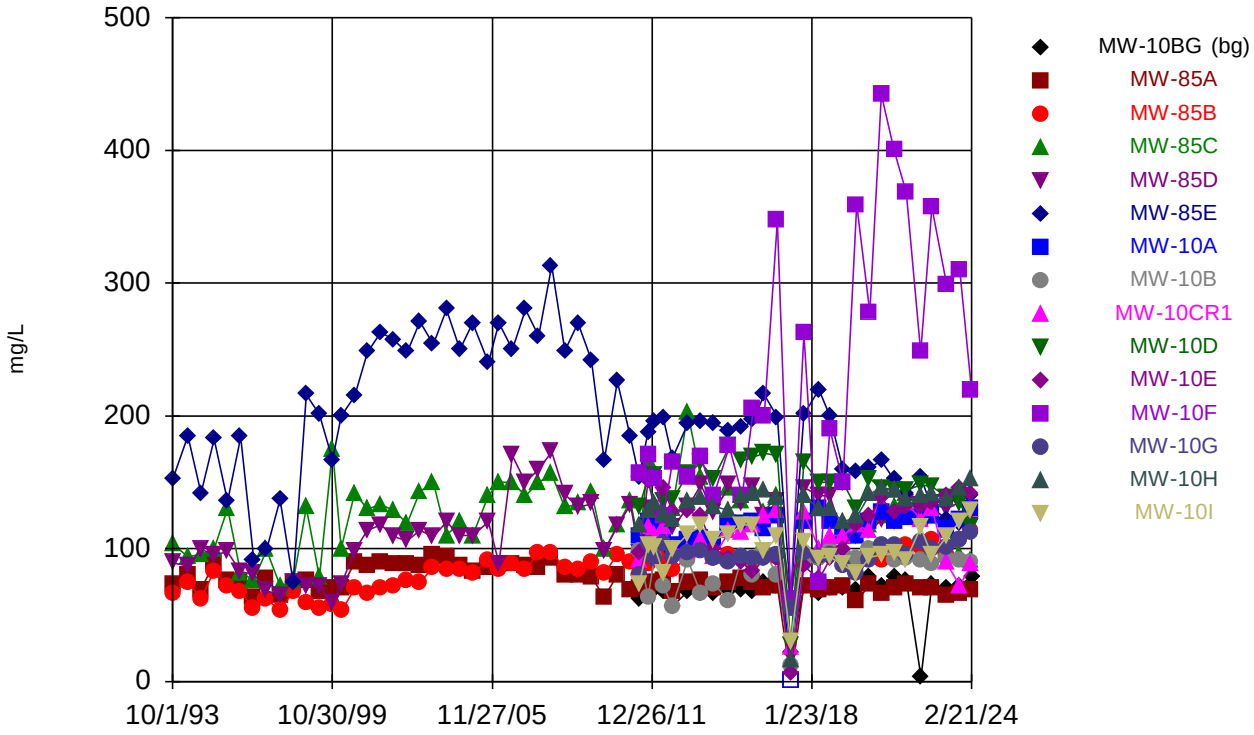
Hollow symbols indicate censored values.

Calcium



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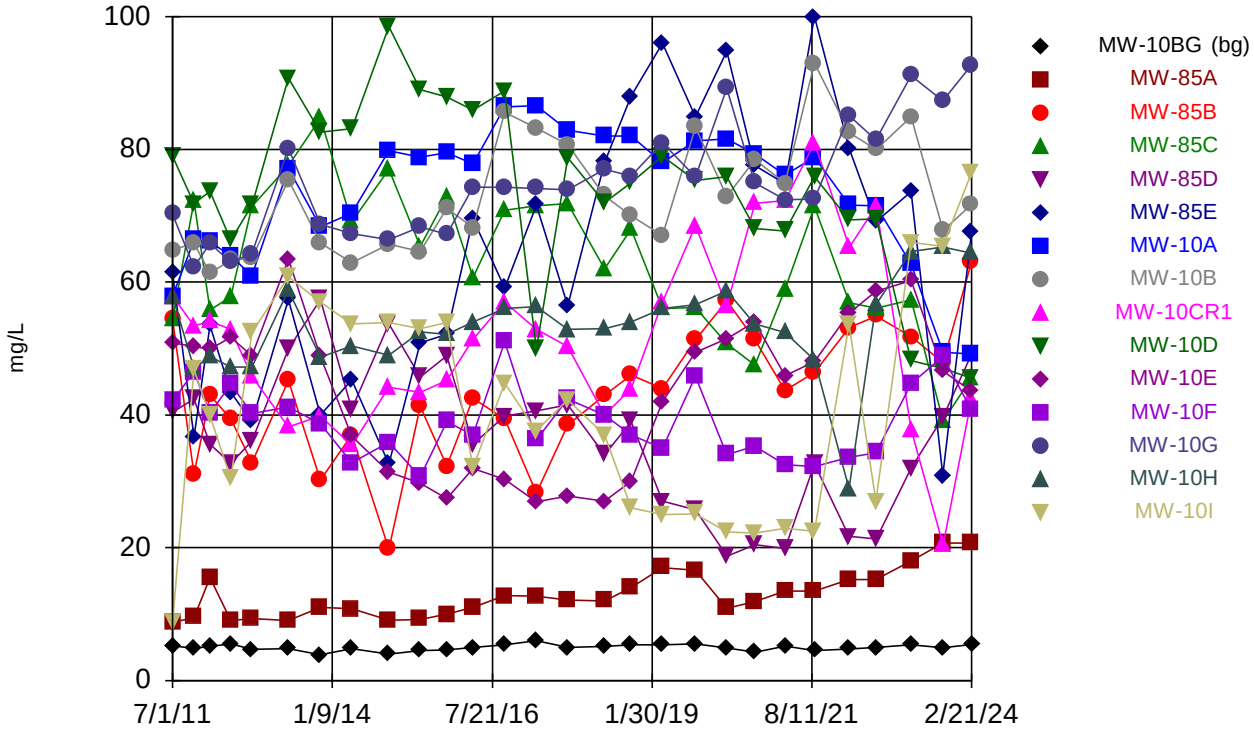
Cleco Big Cajun II Data: Big Cajun II

Sanitas™ v.10.0.16 Software licensed to . UG

Chloride



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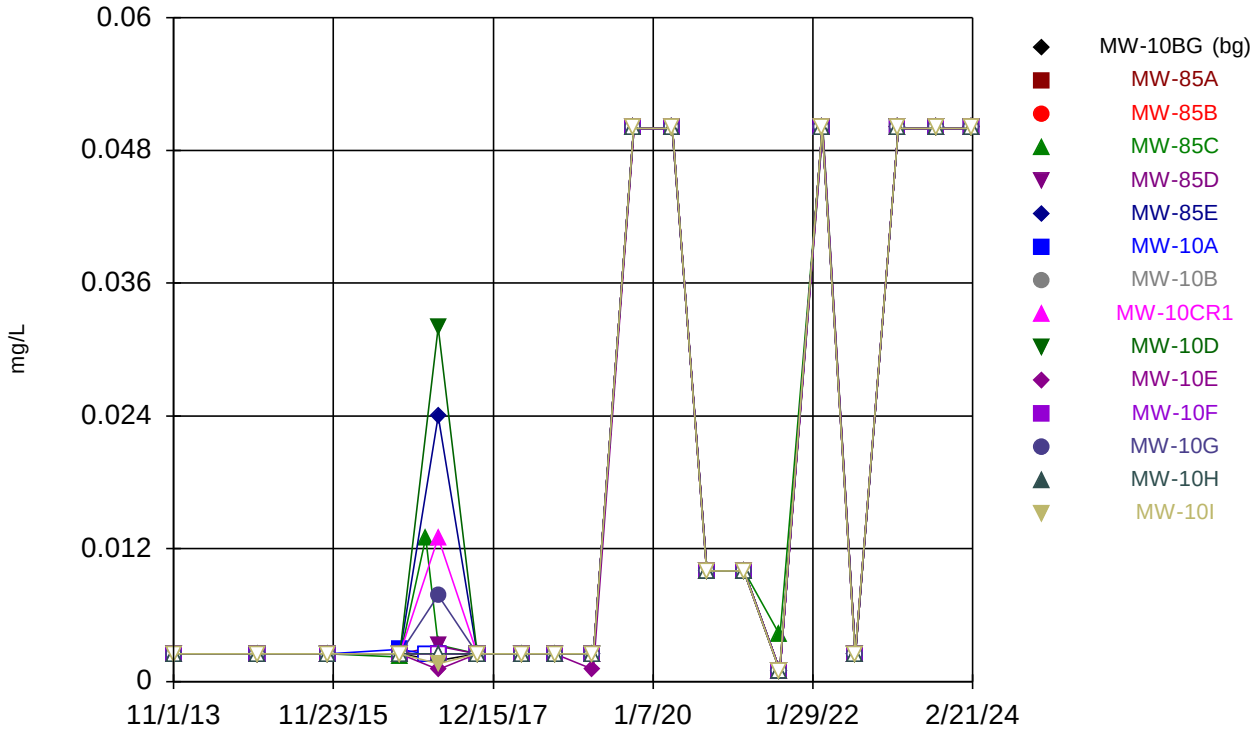
Cleco Big Cajun II Data: Big Cajun II

Sanitas™ v.10.0.16 Software licensed to . UG
Hollow symbols indicate censored values.

Chromium



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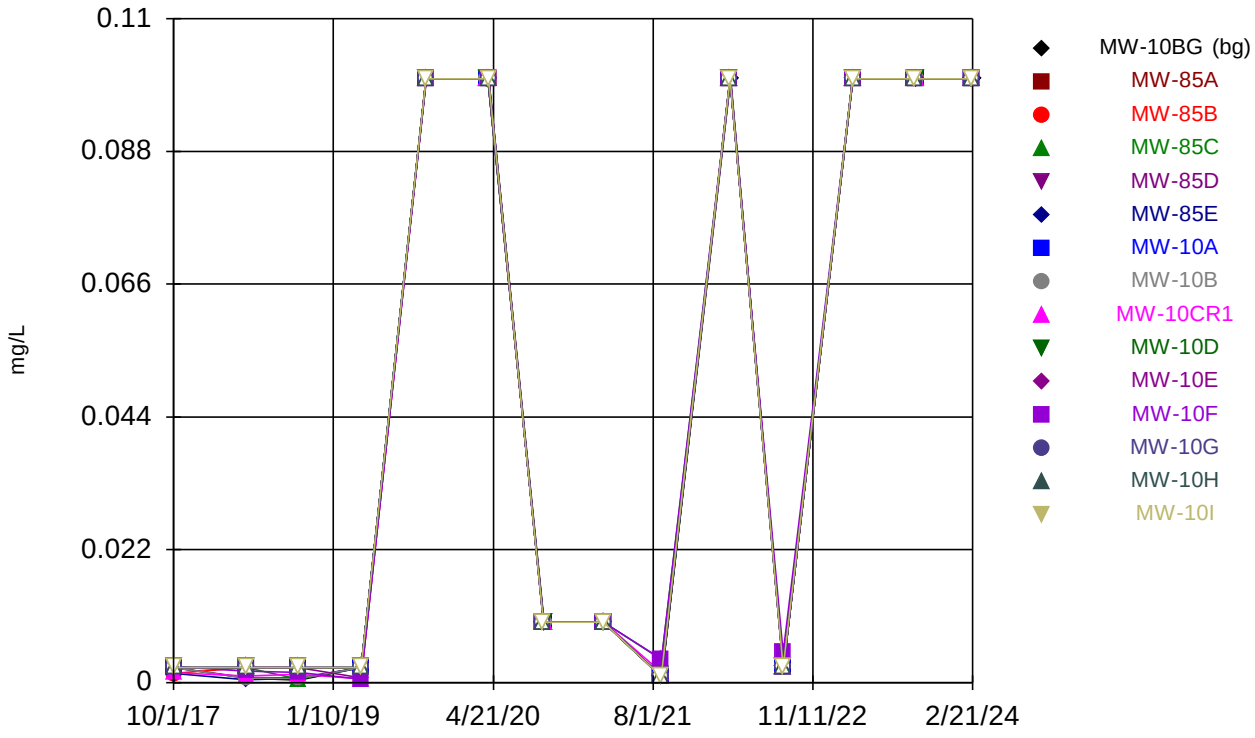
Cobalt



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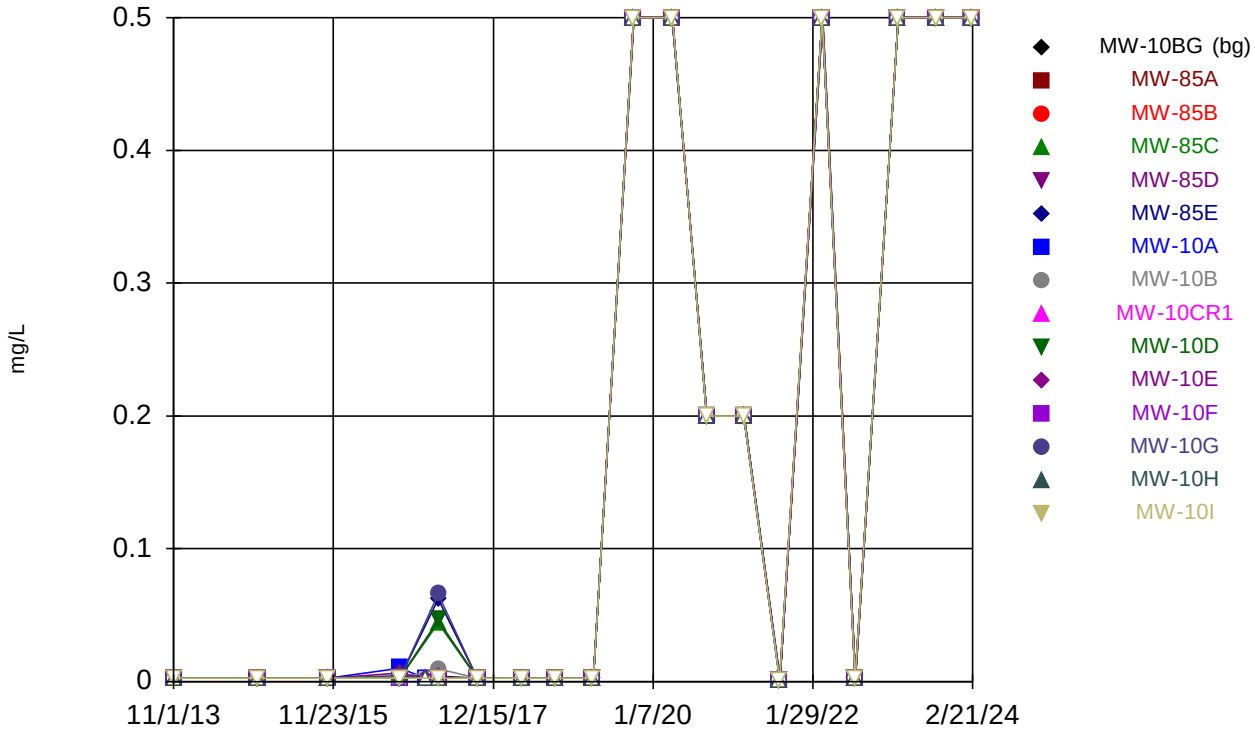
Copper



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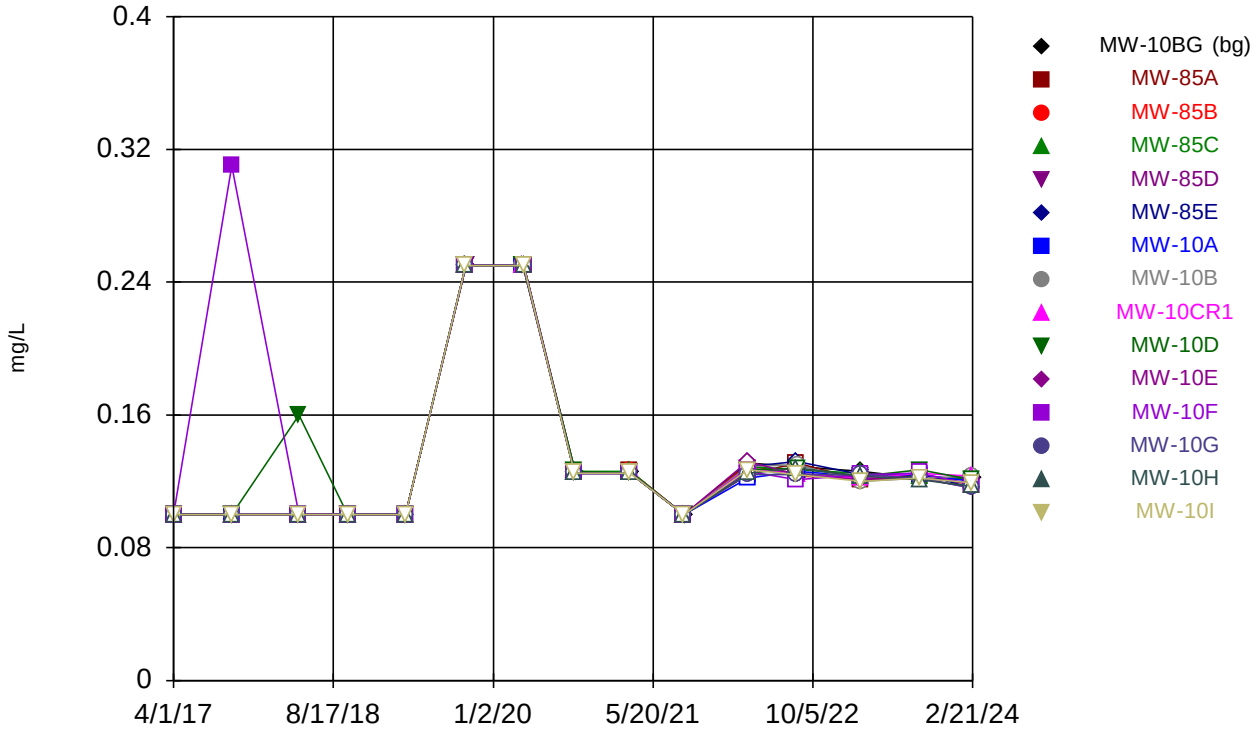
Sanitas™ v.10.0.16 Software licensed to . UG
Hollow symbols indicate censored values.

Diesel Range Organics



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Cleco Big Cajun II Data: Big Cajun II

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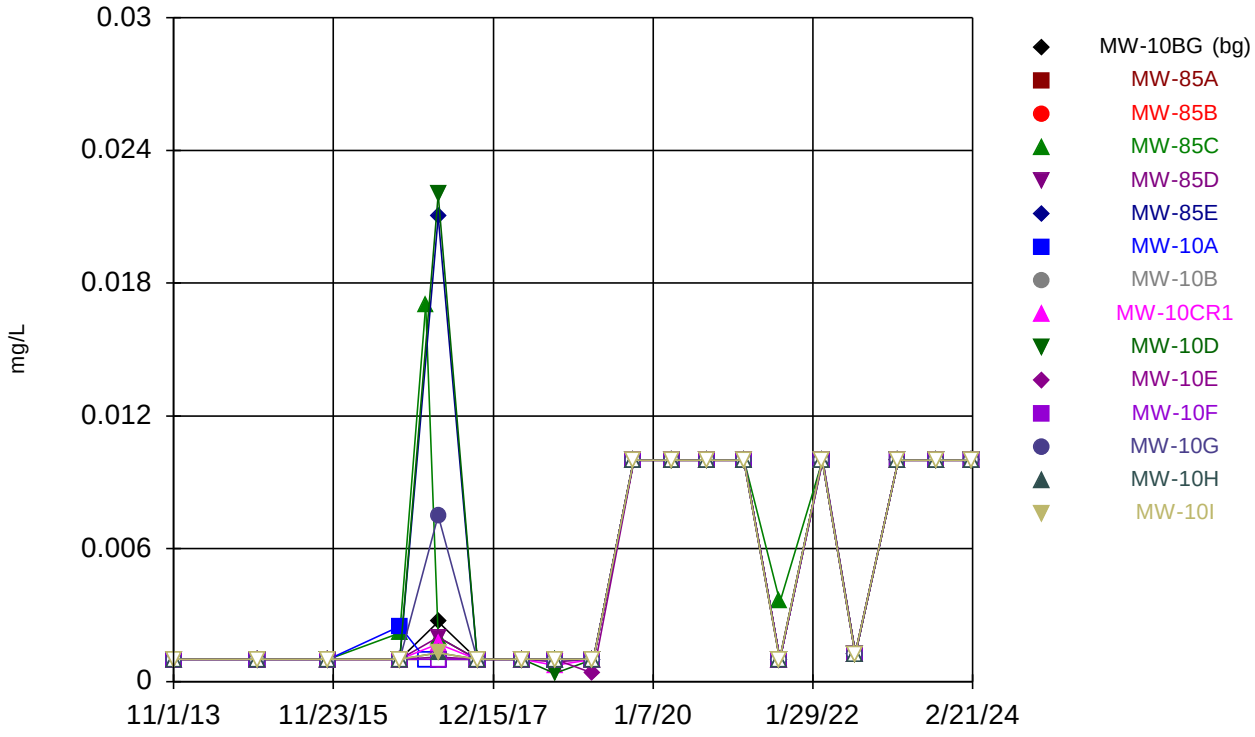
Hollow symbols indicate censored values.

Lead



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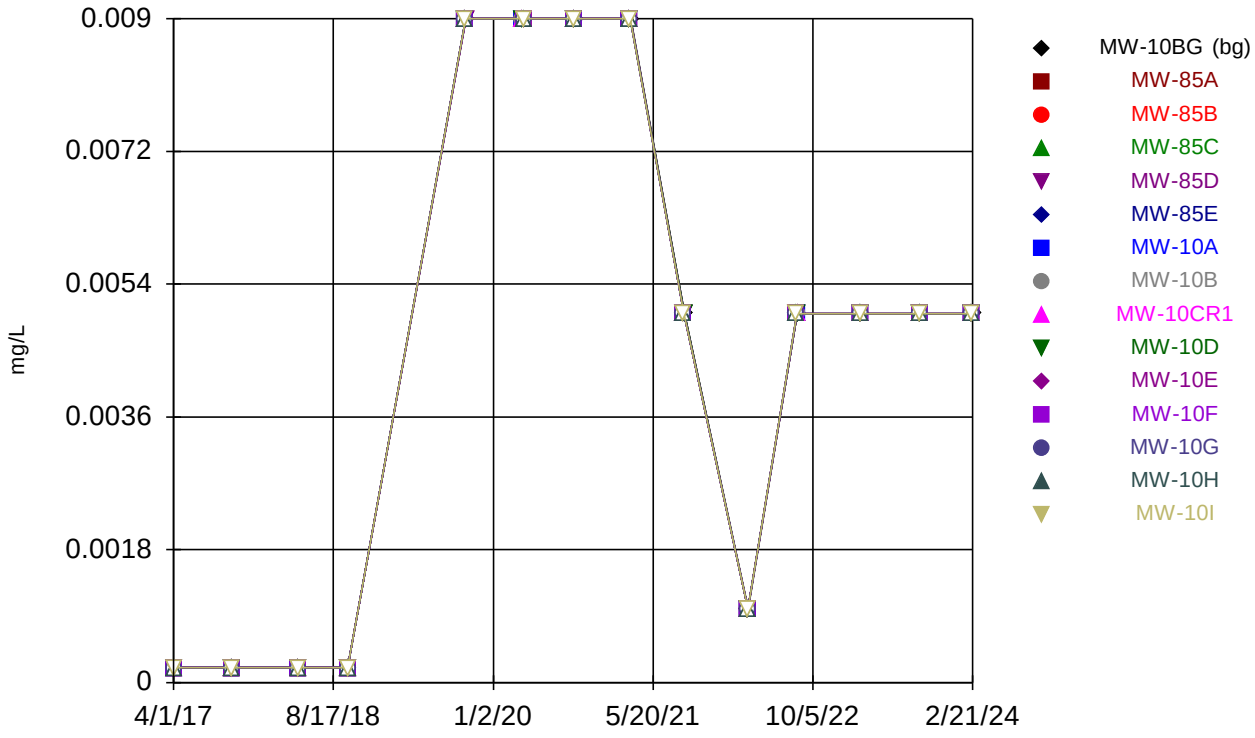
Naphthalene



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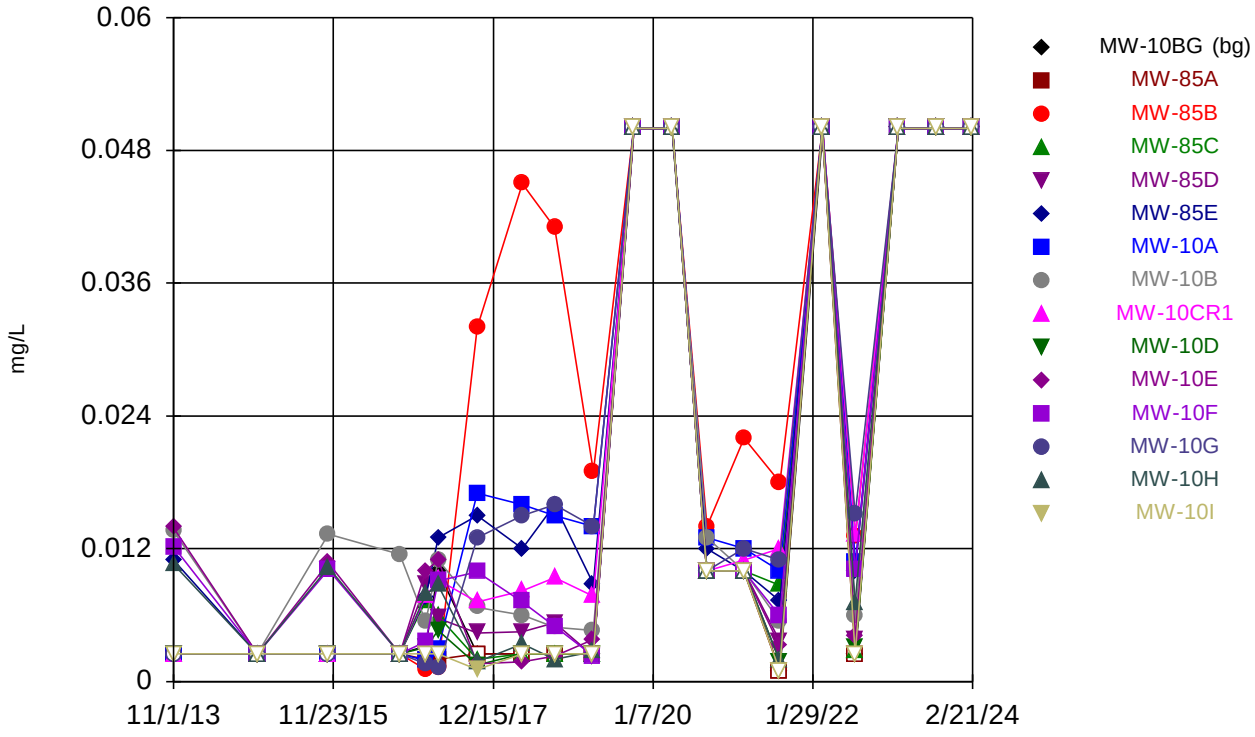
Nickel



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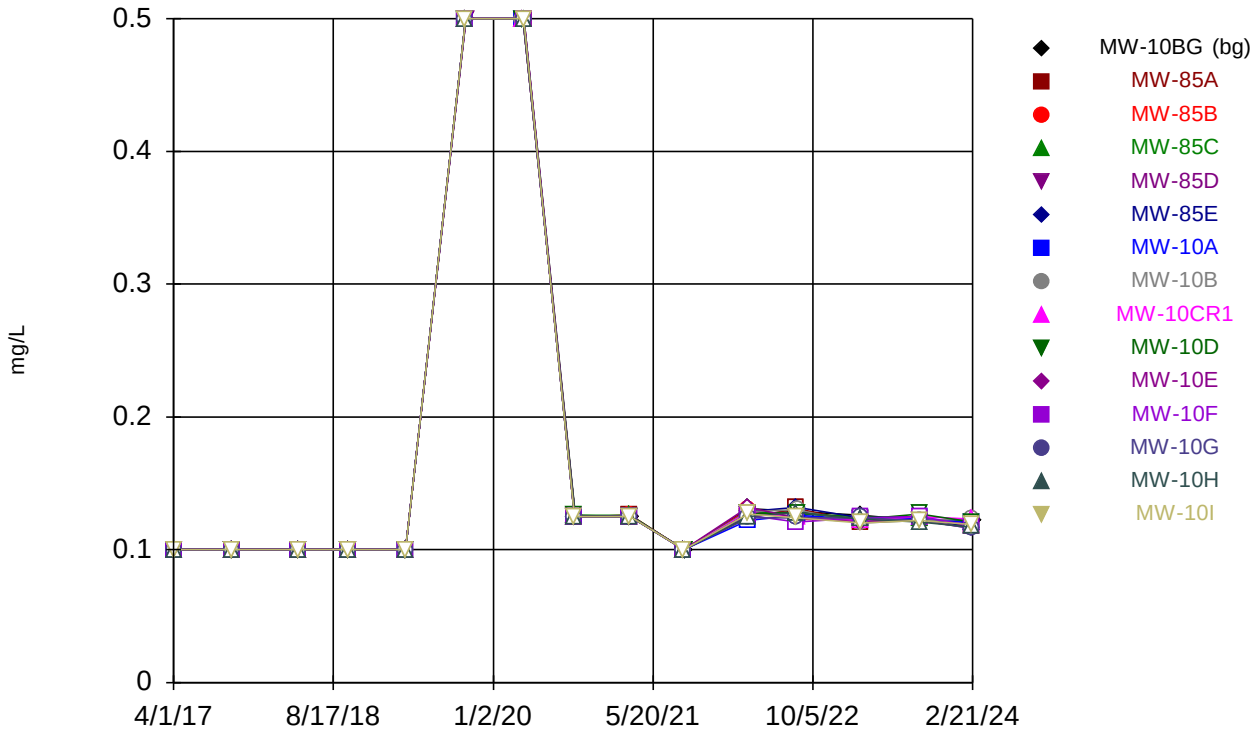
Hollow symbols indicate censored values.

Oil Range Organics



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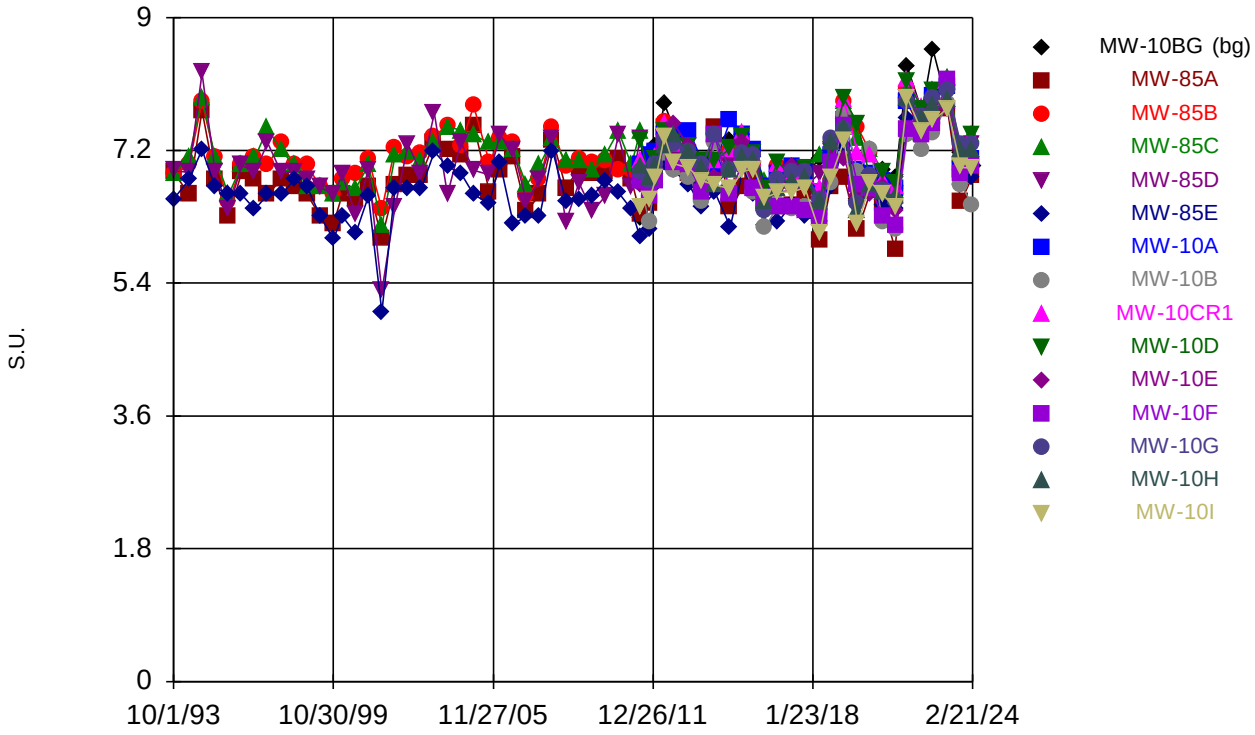
pH



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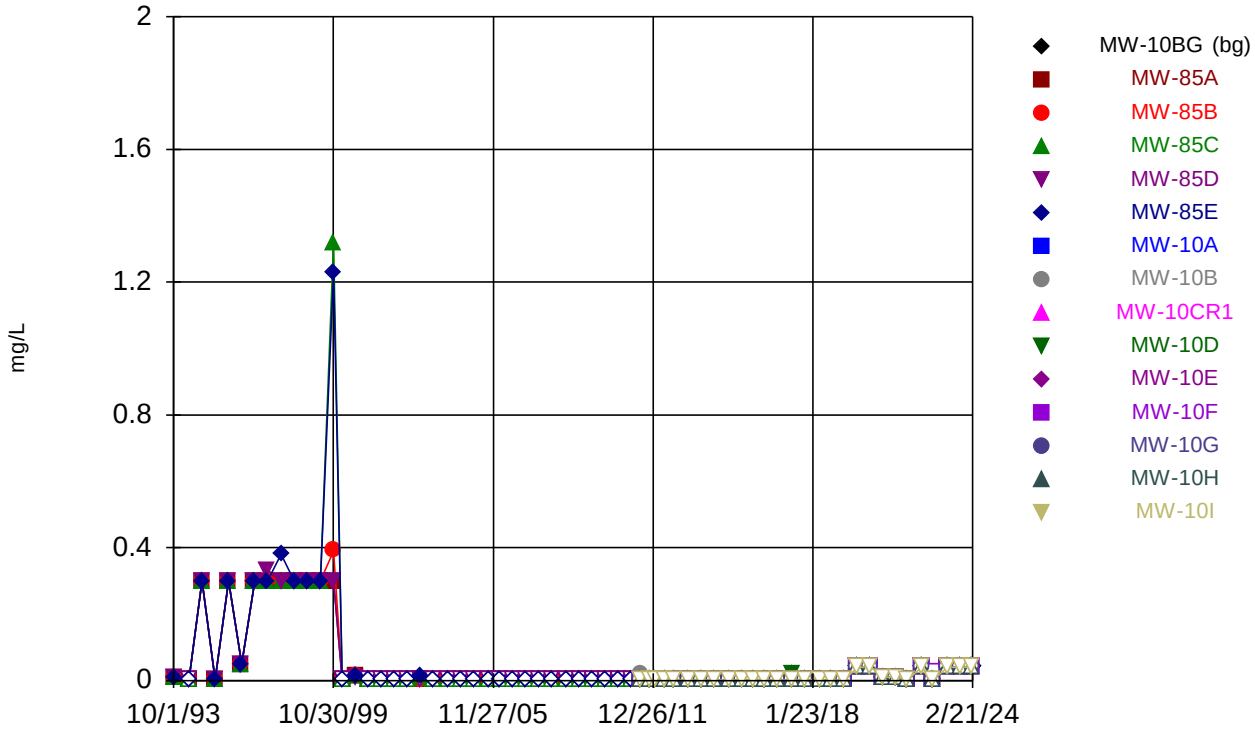
Hollow symbols indicate censored values.

Selenium



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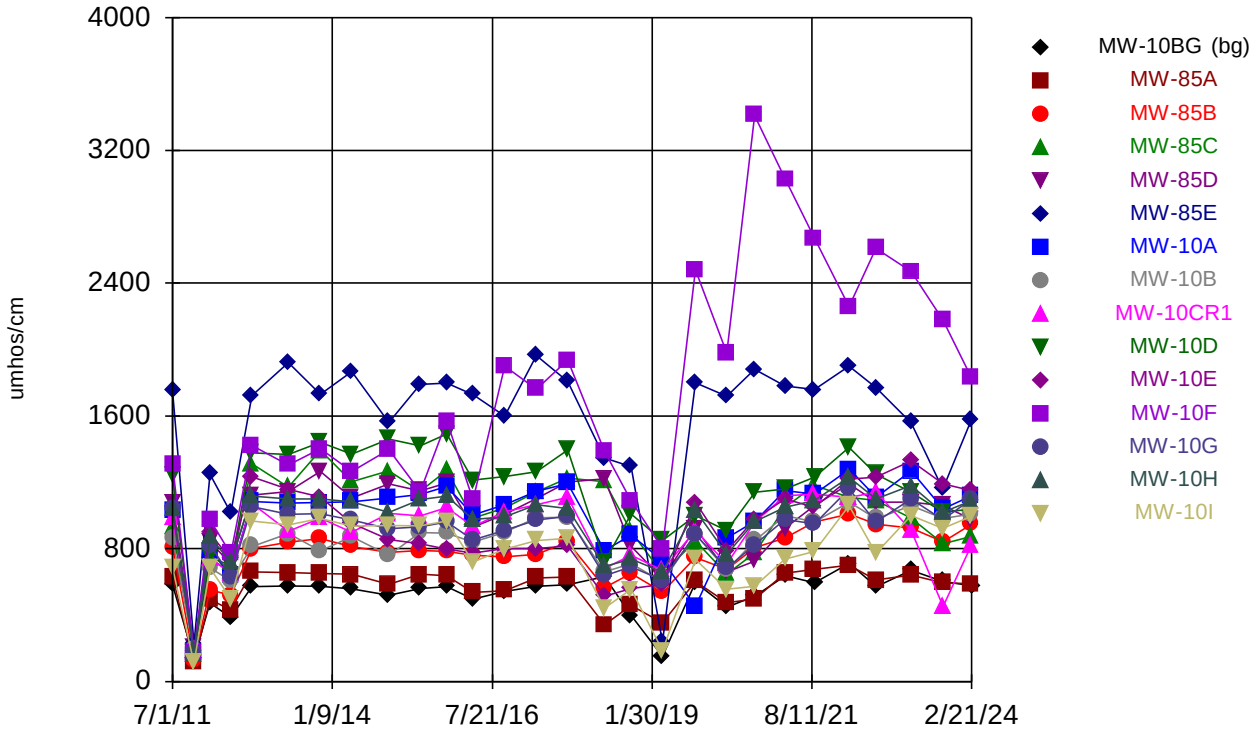
Cleco Big Cajun II Data: Big Cajun II

Specific Conductance



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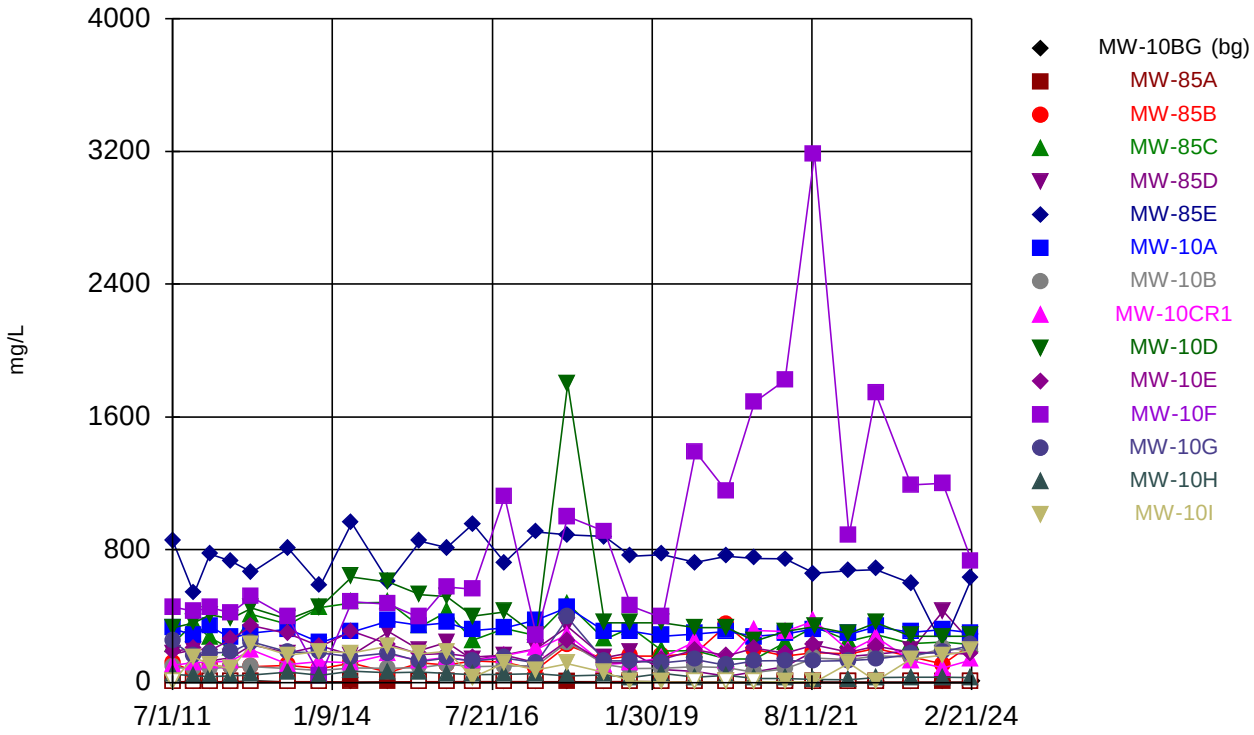
Sulfate



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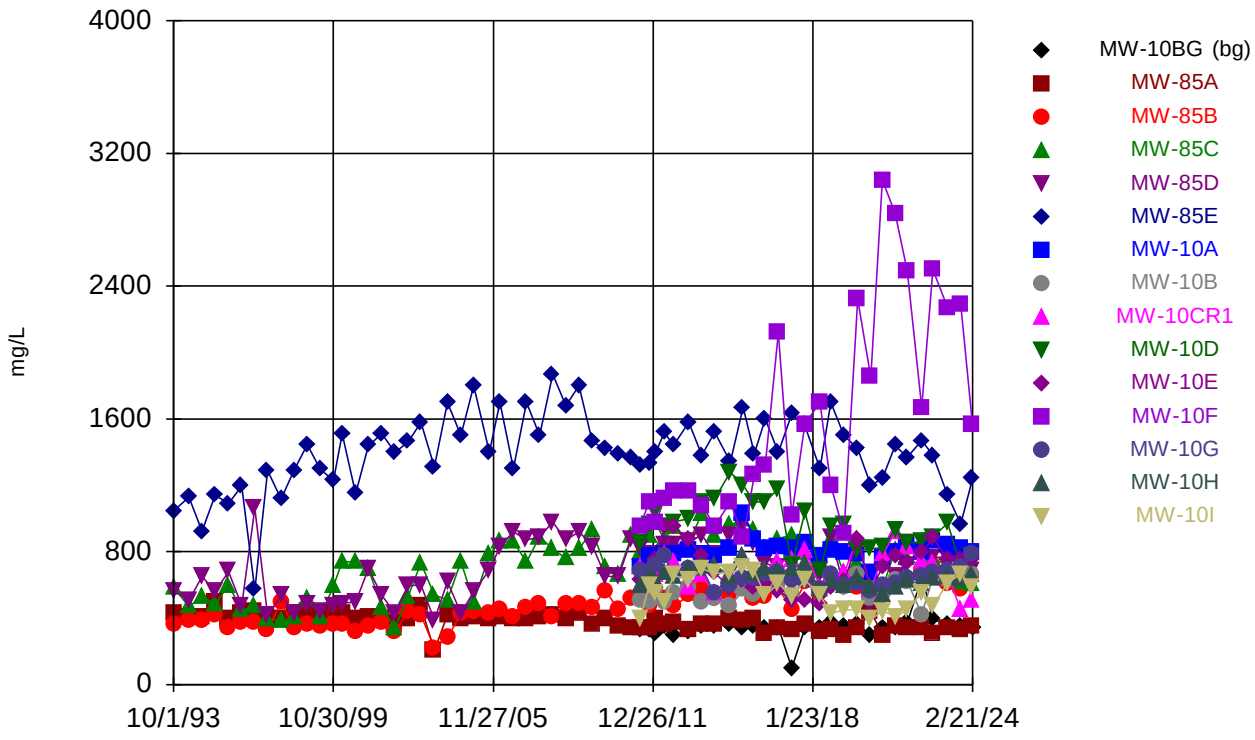
Cleco Big Cajun II Data: Big Cajun II

Total Dissolved Solids



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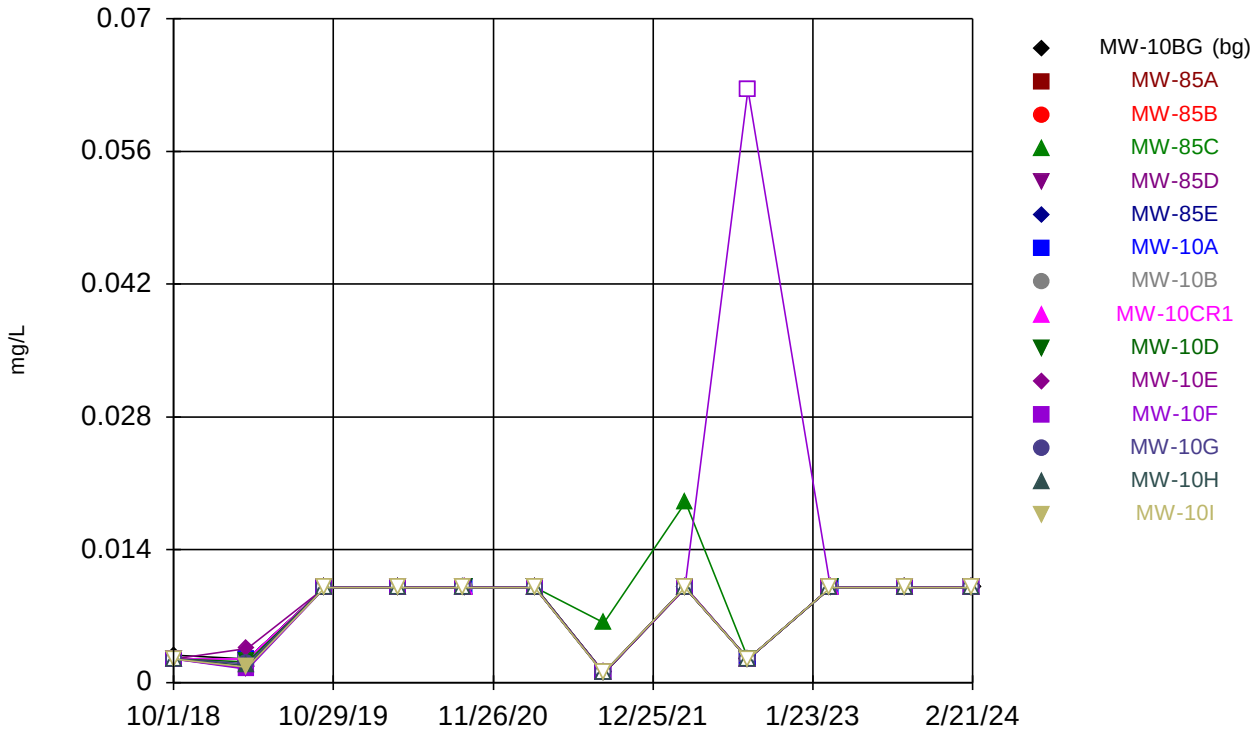
Cleco Big Cajun II Data: Big Cajun II

Hollow symbols indicate censored values.

Vanadium



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Cleco Big Cajun II Data: Big Cajun II

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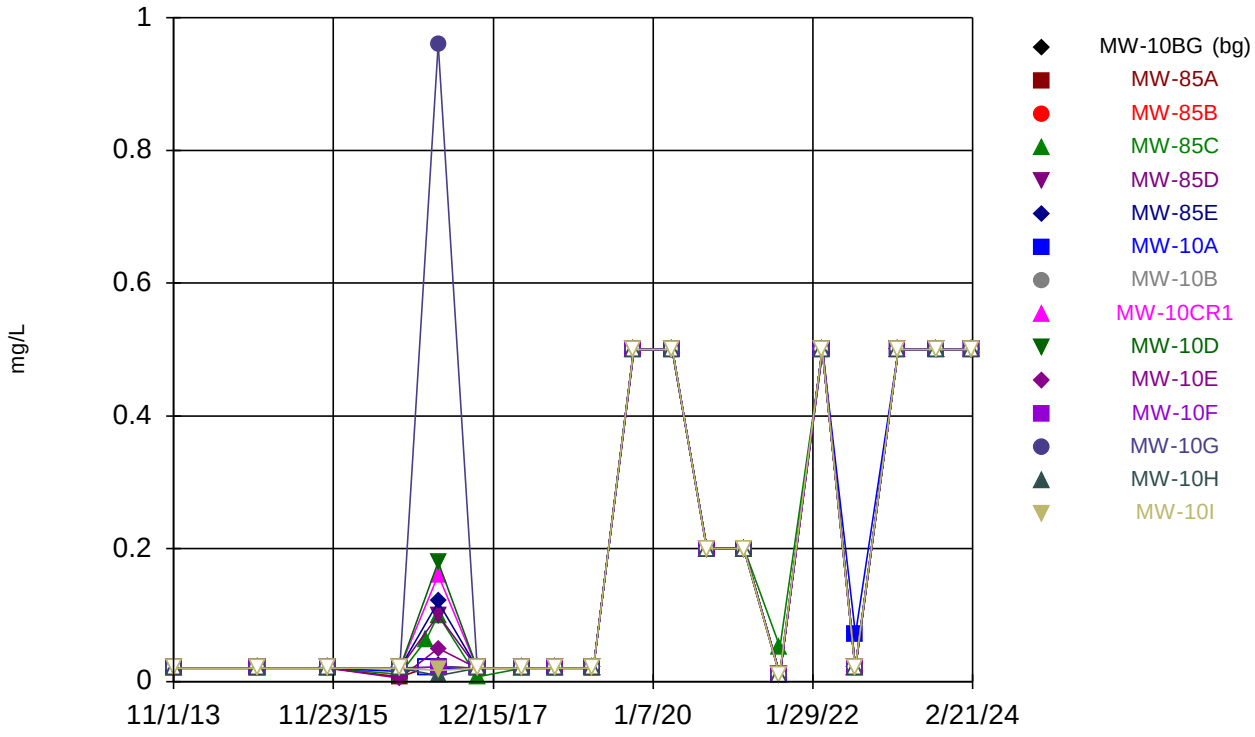
Hollow symbols indicate censored values.

Zinc



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Cleco Big Cajun II Data: Big Cajun II

APPENDIX C

LABORATORY ANALYTICAL REPORT

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jared Mayeux
Eagle Environmental Services, Inc.
18379 Petroleum Drive
Baton Rouge, Louisiana 70809-6124

Generated 3/1/2024 2:21:19 PM

JOB DESCRIPTION

Big Cajun II LDEQ

JOB NUMBER

400-251529-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

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 Environment Testing Southeast, LLC Project Manager.

Authorization

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3/1/2024 2:21:19 PM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

Table of Contents

Job Narrative
400-251529-1

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

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

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

Receipt
The samples were received on 2/22/2024 8:41 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 0.0°C, 0.0°C, 0.1°C, 1.2°C, 1.5°C and 1.7°C.

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

Diesel Range Organics
Method 8015C_DRO: The RPD of the laboratory control sample duplicate (LCSD) for preparation batch 400-662284 and analytical batch 400-662449 recovered outside control limits for the following analytes: C10-C28.

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

HPLC/IC
Method 300_ORGFM_28D: Due to the high concentration of Chloride and Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 400-662330 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 300_ORGFM_28D: The method blank for analytical batch 400-662677 contained Chloride and Sulfate above the > reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 300_ORGFM_28D: The continuing calibration blank for analytical batch 400-662677 contained Sulfate above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 300_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-85E (400-251529-5), MW-10A (400-251529-6), MW-10F (400-251529-11) and MW-10H (400-251529-13). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-85B (400-251529-2), MW-85C (400-251529-3), MW-85D (400-251529-4), MW-10B (400-251529-7), MW-10CR1 (400-251529-8), MW-10D (400-251529-9), MW-10E (400-251529-10), MW-10G (400-251529-12) and MW-10I (400-251529-14). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-662827 were 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.

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

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

Job ID: 400-251529-1 (Continued) Eurofins Pensacola

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

Sample Summary

Client: Eagle Environmental Services, Inc.
Project/Site: Big Cajun II LDEQ

Job ID: 400-251529-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-251529-1	MW-85A	Water	02/19/24 10:00	02/22/24 08:41
400-251529-2	MW-85B	Water	02/20/24 11:10	02/22/24 08:41
400-251529-3	MW-85C	Water	02/20/24 12:30	02/22/24 08:41
400-251529-4	MW-85D	Water	02/20/24 14:00	02/22/24 08:41
400-251529-5	MW-85E	Water	02/19/24 13:30	02/22/24 08:41
400-251529-6	MW-10A	Water	02/20/24 08:55	02/22/24 08:41
400-251529-7	MW-10B	Water	02/20/24 10:30	02/22/24 08:41
400-251529-8	MW-10CR1	Water	02/20/24 11:45	02/22/24 08:41
400-251529-9	MW-10D	Water	02/20/24 13:10	02/22/24 08:41
400-251529-10	MW-10E	Water	02/19/24 13:30	02/22/24 08:41
400-251529-11	MW-10F	Water	02/19/24 12:45	02/22/24 08:41
400-251529-12	MW-10G	Water	02/19/24 12:15	02/22/24 08:41
400-251529-13	MW-10H	Water	02/19/24 11:30	02/22/24 08:41
400-251529-14	MW-10I	Water	02/19/24 10:42	02/22/24 08:41
400-251529-15	MW-10BG	Water	02/21/24 10:00	02/22/24 08:41
400-251529-16	FIELD BLANK	Water	02/19/24 09:40	02/22/24 08:41
400-251529-17	DUPLICATE	Water	02/19/24 10:00	02/22/24 08:41
400-251529-18	TRIP BLANK	Water	02/19/24 12:00	02/22/24 08:41

Client: Eagle Environmental Services, Inc.
Job ID: 400-251529-1
Project/Site: Big Cajun II LDEQ

Client Sample ID: MW-85A
Lab Sample ID: 400-251529-1
Date Collected: 02/19/24 10:00
Matrix: Water
Date Received: 02/22/24 08:41

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/26/24 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*72 - 130*		*02/26/24 12:04*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*02/26/24 12:04*	*1*
Toluene-d8 (Surr)	*87*		*64 - 132*		*02/26/24 12:04*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	ND	*+ *1	0.118		mg/L		02/26/24 11:15	02/27/24 21:43	1
C28-C40	ND		0.118		mg/L		02/26/24 11:15	02/27/24 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*70*		*21 - 150*	*02/26/24 11:15*	*02/27/24 21:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.7**		1.00		mg/L			02/26/24 19:04	1
Sulfate	ND		1.00		mg/L			02/26/24 19:04	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00900		mg/L		02/27/24 04:52	02/27/24 18:58	1
Barium	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:58	1
Calcium	**69.4**		0.500		mg/L		02/27/24 04:52	02/27/24 18:58	1
Chromium	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 18:58	1
Cobalt	ND		0.100		mg/L		02/27/24 04:52	02/27/24 18:58	1
Copper	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:58	1
Lead	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 18:58	1
Nickel	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 18:58	1
Selenium	ND		0.0400		mg/L		02/27/24 04:52	02/27/24 18:58	1
Vanadium	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 18:58	1
Zinc	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**348**		5.00		mg/L			02/23/24 10:36	1

Client Sample ID: MW-85B

Date Collected: 02/20/24 11:10
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/26/24 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*72 - 130*		*02/26/24 12:29*	*1*
Dibromofluoromethane	*110*		*75 - 126*		*02/26/24 12:29*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*02/26/24 12:29*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	ND	*+ *1	0.121		mg/L		02/26/24 11:15	02/27/24 22:00	1
C28-C40	ND		0.121		mg/L		02/26/24 11:15	02/27/24 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*70*		*21 - 150*	*02/26/24 11:15*	*02/27/24 22:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.1**		10.0		mg/L			02/29/24 16:49	10
Sulfate	**233**		10.0		mg/L			02/29/24 16:49	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00900		mg/L		02/27/24 04:52	02/27/24 19:21	1
Barium	**0.566**		0.500		mg/L		02/27/24 04:52	02/27/24 19:21	1
Calcium	**113**		0.500		mg/L		02/27/24 04:52	02/27/24 19:21	1
Chromium	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 19:21	1
Cobalt	ND		0.100		mg/L		02/27/24 04:52	02/27/24 19:21	1
Copper	ND		0.500		mg/L		02/27/24 04:52	02/27/24 19:21	1
Lead	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 19:21	1
Nickel	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 19:21	1
Selenium	ND		0.0400		mg/L		02/27/24 04:52	02/27/24 19:21	1
Vanadium	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 19:21	1
Zinc	ND		0.500		mg/L		02/27/24 04:52	02/27/24 19:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**654**		5.00		mg/L			02/23/24 10:36	1

Client Sample Results

Client: Eagle Environmental Services, Inc.
Project/Site: Big Cajun II LDEQ

Job ID: 400-251529-1

Client Sample ID: MW-85C

Date Collected: 02/20/24 12:30
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/26/24 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*72 - 130*		*02/26/24 12:53*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*02/26/24 12:53*	*1*
Toluene-d8 (Surr)	*86*		*64 - 132*		*02/26/24 12:53*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	ND	*+ *1	0.121		mg/L		02/26/24 11:15	02/27/24 22:17	1
C28-C40	ND		0.121		mg/L		02/26/24 11:15	02/27/24 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*67*		*21 - 150*	*02/26/24 11:15*	*02/27/24 22:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**45.6**		10.0		mg/L			02/29/24 16:57	10
Sulfate	**229**		10.0		mg/L			02/29/24 16:57	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00900		mg/L		02/27/24 04:52	02/27/24 17:24	1
Barium	ND		0.500		mg/L		02/27/24 04:52	02/27/24 17:24	1
Calcium	**91.5**		0.500		mg/L		02/27/24 04:52	02/27/24 17:24	1
Chromium	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 17:24	1
Cobalt	ND		0.100		mg/L		02/27/24 04:52	02/27/24 17:24	1
Copper	ND		0.500		mg/L		02/27/24 04:52	02/27/24 17:24	1
Lead	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 17:24	1
Nickel	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 17:24	1
Selenium	ND		0.0400		mg/L		02/27/24 04:52	02/27/24 17:24	1
Vanadium	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 17:24	1
Zinc	ND		0.500		mg/L		02/27/24 04:52	02/27/24 17:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**608**		5.00		mg/L			02/23/24 10:36	1

Client: Eagle Environmental Services, Inc.
Project/Site: Big Cajun II LDEQ

Job ID: 400-251529-1

Client Sample ID: MW-85D

Date Collected: 02/20/24 14:00
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/26/24 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*72 - 130*		*02/26/24 13:18*	*1*
Dibromofluoromethane	*110*		*75 - 126*		*02/26/24 13:18*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*02/26/24 13:18*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	ND	*+ *1	0.119		mg/L		02/26/24 11:15	02/27/24 22:34	1
C28-C40	ND		0.119		mg/L		02/26/24 11:15	02/27/24 22:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*62*		*21 - 150*	*02/26/24 11:15*	*02/27/24 22:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49.2**		10.0		mg/L			02/29/24 17:06	10
Sulfate	**238**		10.0		mg/L			02/29/24 17:06	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00900		mg/L		02/27/24 04:52	02/27/24 18:52	1
Barium	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:52	1
Calcium	**117**		0.500		mg/L		02/27/24 04:52	02/27/24 18:52	1
Chromium	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 18:52	1
Cobalt	ND		0.100		mg/L		02/27/24 04:52	02/27/24 18:52	1
Copper	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:52	1
Lead	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 18:52	1
Nickel	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 18:52	1
Selenium	ND		0.0400		mg/L		02/27/24 04:52	02/27/24 18:52	1
Vanadium	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 18:52	1
Zinc	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**686**		5.00		mg/L			02/23/24 10:36	1

Client: Eagle Environmental Services, Inc.
Project/Site: Big Cajun II LDEQ

Job ID: 400-251529-1

Client Sample ID: MW-85E

Date Collected: 02/19/24 13:30
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/26/24 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*72 - 130*		*02/26/24 13:42*	*1*
Dibromofluoromethane	*113*		*75 - 126*		*02/26/24 13:42*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*02/26/24 13:42*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	ND	*+ *1	0.116		mg/L		02/26/24 11:15	02/27/24 22:51	1
C28-C40	ND		0.116		mg/L		02/26/24 11:15	02/27/24 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*61*		*21 - 150*	*02/26/24 11:15*	*02/27/24 22:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.5**	**B**	5.00		mg/L			02/29/24 03:10	5
Sulfate	**628**	**B**	50.0		mg/L			02/29/24 03:19	50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0102**		0.00900		mg/L		02/27/24 04:52	02/27/24 18:47	1
Barium	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:47	1
Calcium	**140**		0.500		mg/L		02/27/24 04:52	02/27/24 18:47	1
Chromium	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 18:47	1
Cobalt	ND		0.100		mg/L		02/27/24 04:52	02/27/24 18:47	1
Copper	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:47	1
Lead	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 18:47	1
Nickel	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 18:47	1
Selenium	ND		0.0400		mg/L		02/27/24 04:52	02/27/24 18:47	1
Vanadium	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 18:47	1
Zinc	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1240**		10.0		mg/L			02/23/24 10:36	1

Client: Eagle Environmental Services, Inc.
Job ID: 400-251529-1
Project/Site: Big Cajun II LDEQ

Client Sample ID: MW-10A
Lab Sample ID: 400-251529-6
Date Collected: 02/20/24 08:55
Matrix: Water
Date Received: 02/22/24 08:41

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/26/24 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*72 - 130*		*02/26/24 14:07*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*02/26/24 14:07*	*1*
Toluene-d8 (Surr)	*87*		*64 - 132*		*02/26/24 14:07*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	ND	*+ *1	0.120		mg/L		02/26/24 11:15	02/27/24 23:08	1
C28-C40	ND		0.120		mg/L		02/26/24 11:15	02/27/24 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*67*		*21 - 150*	*02/26/24 11:15*	*02/27/24 23:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49.2**	**B**	2.00		mg/L			02/29/24 03:27	2
Sulfate	**300**	**B**	20.0		mg/L			02/29/24 03:36	20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00900		mg/L		02/27/24 04:52	02/27/24 17:30	1
Barium	ND		0.500		mg/L		02/27/24 04:52	02/27/24 17:30	1
Calcium	**130**		0.500		mg/L		02/27/24 04:52	02/27/24 17:30	1
Chromium	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 17:30	1
Cobalt	ND		0.100		mg/L		02/27/24 04:52	02/27/24 17:30	1
Copper	ND		0.500		mg/L		02/27/24 04:52	02/27/24 17:30	1
Lead	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 17:30	1
Nickel	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 17:30	1
Selenium	ND		0.0400		mg/L		02/27/24 04:52	02/27/24 17:30	1
Vanadium	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 17:30	1
Zinc	ND		0.500		mg/L		02/27/24 04:52	02/27/24 17:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**800**		10.0		mg/L			02/23/24 10:36	1

Client: Eagle Environmental Services, Inc.
Job ID: 400-251529-1
Project/Site: Big Cajun II LDEQ

Client Sample ID: MW-10B
Lab Sample ID: 400-251529-7
Date Collected: 02/20/24 10:30
Matrix: Water
Date Received: 02/22/24 08:41

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/26/24 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*72 - 130*		*02/26/24 14:31*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*02/26/24 14:31*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*02/26/24 14:31*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	ND	*+ *1	0.123		mg/L		02/26/24 11:15	02/27/24 23:25	1
C28-C40	ND		0.123		mg/L		02/26/24 11:15	02/27/24 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*67*		*21 - 150*	*02/26/24 11:15*	*02/27/24 23:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**71.7**		10.0		mg/L			02/29/24 17:31	10
Sulfate	**191**		10.0		mg/L			02/29/24 17:31	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0166**		0.00900		mg/L		02/27/24 04:52	02/27/24 19:15	1
Barium	**0.526**		0.500		mg/L		02/27/24 04:52	02/27/24 19:15	1
Calcium	**90.2**		0.500		mg/L		02/27/24 04:52	02/27/24 19:15	1
Chromium	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 19:15	1
Cobalt	ND		0.100		mg/L		02/27/24 04:52	02/27/24 19:15	1
Copper	ND		0.500		mg/L		02/27/24 04:52	02/27/24 19:15	1
Lead	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 19:15	1
Nickel	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 19:15	1
Selenium	ND		0.0400		mg/L		02/27/24 04:52	02/27/24 19:15	1
Vanadium	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 19:15	1
Zinc	ND		0.500		mg/L		02/27/24 04:52	02/27/24 19:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**660**		5.00		mg/L			02/23/24 10:36	1

Client: Eagle Environmental Services, Inc.
Job ID: 400-251529-1
Project/Site: Big Cajun II LDEQ

Client Sample ID: MW-10CR1
Lab Sample ID: 400-251529-8
Date Collected: 02/20/24 11:45
Matrix: Water
Date Received: 02/22/24 08:41

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/26/24 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*72 - 130*		*02/26/24 14:56*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*02/26/24 14:56*	*1*
Toluene-d8 (Surr)	*87*		*64 - 132*		*02/26/24 14:56*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	ND		0.123		mg/L		02/26/24 11:15	02/27/24 23:58	1
C28-C40	ND		0.123		mg/L		02/26/24 11:15	02/27/24 23:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*68*		*21 - 150*	*02/26/24 11:15*	*02/27/24 23:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.5**		1.00		mg/L			02/26/24 20:46	1
Sulfate	**135**	**F1**	5.00		mg/L			02/29/24 16:15	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00900		mg/L		02/26/24 08:14	02/26/24 20:36	1
Barium	ND		0.500		mg/L		02/26/24 08:14	02/26/24 20:36	1
Calcium	**88.3**		0.500		mg/L		02/26/24 08:14	02/26/24 20:36	1
Chromium	ND		0.0500		mg/L		02/26/24 08:14	02/26/24 20:36	1
Cobalt	ND		0.100		mg/L		02/26/24 08:14	02/26/24 20:36	1
Copper	ND		0.500		mg/L		02/26/24 08:14	02/26/24 20:36	1
Lead	ND		0.0100		mg/L		02/26/24 08:14	02/26/24 20:36	1
Nickel	ND		0.0500		mg/L		02/26/24 08:14	02/26/24 20:36	1
Selenium	ND		0.0400		mg/L		02/26/24 08:14	02/26/24 20:36	1
Vanadium	ND		0.0100		mg/L		02/26/24 08:14	02/26/24 20:36	1
Zinc	ND		0.500		mg/L		02/26/24 08:14	02/26/24 20:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**504**		5.00		mg/L			02/23/24 10:36	1

Client: Eagle Environmental Services, Inc.
Job ID: 400-251529-1
Project/Site: Big Cajun II LDEQ

Client Sample ID: MW-10D
Lab Sample ID: 400-251529-9
Date Collected: 02/20/24 13:10
Matrix: Water
Date Received: 02/22/24 08:41

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/26/24 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*72 - 130*		*02/26/24 15:20*	*1*
Dibromofluoromethane	*110*		*75 - 126*		*02/26/24 15:20*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*02/26/24 15:20*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	ND		0.121		mg/L		02/26/24 11:15	02/28/24 00:15	1
C28-C40	ND		0.121		mg/L		02/26/24 11:15	02/28/24 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*62*		*21 - 150*	*02/26/24 11:15*	*02/28/24 00:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**45.5**		1.00		mg/L			02/26/24 21:12	1
Sulfate	**280**		10.0		mg/L			02/29/24 17:40	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00900		mg/L		02/26/24 08:14	02/26/24 20:41	1
Barium	ND		0.500		mg/L		02/26/24 08:14	02/26/24 20:41	1
Calcium	**116**		0.500		mg/L		02/26/24 08:14	02/26/24 20:41	1
Chromium	ND		0.0500		mg/L		02/26/24 08:14	02/26/24 20:41	1
Cobalt	ND		0.100		mg/L		02/26/24 08:14	02/26/24 20:41	1
Copper	ND		0.500		mg/L		02/26/24 08:14	02/26/24 20:41	1
Lead	ND		0.0100		mg/L		02/26/24 08:14	02/26/24 20:41	1
Nickel	ND		0.0500		mg/L		02/26/24 08:14	02/26/24 20:41	1
Selenium	ND		0.0400		mg/L		02/26/24 08:14	02/26/24 20:41	1
Vanadium	ND		0.0100		mg/L		02/26/24 08:14	02/26/24 20:41	1
Zinc	ND		0.500		mg/L		02/26/24 08:14	02/26/24 20:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**772**		10.0		mg/L			02/23/24 10:36	1

Client: Eagle Environmental Services, Inc.
Job ID: 400-251529-1
Project/Site: Big Cajun II LDEQ

Client Sample ID: MW-10E
Lab Sample ID: 400-251529-10
Date Collected: 02/19/24 13:30
Matrix: Water
Date Received: 02/22/24 08:41

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/26/24 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*72 - 130*		*02/26/24 15:45*	*1*
Dibromofluoromethane	*110*		*75 - 126*		*02/26/24 15:45*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*02/26/24 15:45*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	ND		0.116		mg/L		02/26/24 11:15	02/28/24 00:32	1
C28-C40	ND		0.116		mg/L		02/26/24 11:15	02/28/24 00:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*59*		*21 - 150*	*02/26/24 11:15*	*02/28/24 00:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.6**		10.0		mg/L			02/29/24 17:49	10
Sulfate	**172**		10.0		mg/L			02/29/24 17:49	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0130**		0.00900		mg/L		02/27/24 04:52	02/27/24 17:12	1
Barium	ND		0.500		mg/L		02/27/24 04:52	02/27/24 17:12	1
Calcium	**142**		0.500		mg/L		02/27/24 04:52	02/27/24 17:12	1
Chromium	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 17:12	1
Cobalt	ND		0.100		mg/L		02/27/24 04:52	02/27/24 17:12	1
Copper	ND		0.500		mg/L		02/27/24 04:52	02/27/24 17:12	1
Lead	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 17:12	1
Nickel	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 17:12	1
Selenium	ND		0.0400		mg/L		02/27/24 04:52	02/27/24 17:12	1
Vanadium	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 17:12	1
Zinc	ND		0.500		mg/L		02/27/24 04:52	02/27/24 17:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**748**		10.0		mg/L			02/23/24 10:36	1

Client: Eagle Environmental Services, Inc.
Project/Site: Big Cajun II LDEQ

Job ID: 400-251529-1

Client Sample ID: MW-10F

Date Collected: 02/19/24 12:45
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-11

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/26/24 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*72 - 130*		*02/26/24 16:08*	*1*
Dibromofluoromethane	*110*		*75 - 126*		*02/26/24 16:08*	*1*
Toluene-d8 (Surr)	*87*		*64 - 132*		*02/26/24 16:08*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	ND		0.118		mg/L		02/26/24 11:15	02/28/24 00:49	1
C28-C40	ND		0.118		mg/L		02/26/24 11:15	02/28/24 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*61*		*21 - 150*	*02/26/24 11:15*	*02/28/24 00:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.7**	**B**	2.00		mg/L			02/29/24 03:44	2
Sulfate	**734**	**B**	50.0		mg/L			02/29/24 03:53	50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00981**		0.00900		mg/L		02/27/24 04:52	02/27/24 17:01	1
Barium	ND		0.500		mg/L		02/27/24 04:52	02/27/24 17:01	1
Calcium	**219**		0.500		mg/L		02/27/24 04:52	02/27/24 17:01	1
Chromium	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 17:01	1
Cobalt	ND		0.100		mg/L		02/27/24 04:52	02/27/24 17:01	1
Copper	ND		0.500		mg/L		02/27/24 04:52	02/27/24 17:01	1
Lead	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 17:01	1
Nickel	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 17:01	1
Selenium	ND		0.0400		mg/L		02/27/24 04:52	02/27/24 17:01	1
Vanadium	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 17:01	1
Zinc	ND		0.500		mg/L		02/27/24 04:52	02/27/24 17:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1560**		10.0		mg/L			02/23/24 10:36	1

Client: Eagle Environmental Services, Inc.
Job ID: 400-251529-1
Project/Site: Big Cajun II LDEQ

Client Sample ID: MW-10G
Lab Sample ID: 400-251529-12
Date Collected: 02/19/24 12:15
Matrix: Water
Date Received: 02/22/24 08:41

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/26/24 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*72 - 130*		*02/26/24 16:32*	*1*
Dibromofluoromethane	*111*		*75 - 126*		*02/26/24 16:32*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*02/26/24 16:32*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	ND		0.116		mg/L		02/26/24 11:15	02/28/24 01:06	1
C28-C40	ND		0.116		mg/L		02/26/24 11:15	02/28/24 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*62*		*21 - 150*	*02/26/24 11:15*	*02/28/24 01:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**92.7**		10.0		mg/L			02/29/24 17:57	10
Sulfate	**225**		10.0		mg/L			02/29/24 17:57	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00900		mg/L		02/27/24 04:52	02/27/24 17:18	1
Barium	ND		0.500		mg/L		02/27/24 04:52	02/27/24 17:18	1
Calcium	**112**		0.500		mg/L		02/27/24 04:52	02/27/24 17:18	1
Chromium	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 17:18	1
Cobalt	ND		0.100		mg/L		02/27/24 04:52	02/27/24 17:18	1
Copper	ND		0.500		mg/L		02/27/24 04:52	02/27/24 17:18	1
Lead	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 17:18	1
Nickel	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 17:18	1
Selenium	ND		0.0400		mg/L		02/27/24 04:52	02/27/24 17:18	1
Vanadium	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 17:18	1
Zinc	ND		0.500		mg/L		02/27/24 04:52	02/27/24 17:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**780**		10.0		mg/L			02/23/24 10:36	1

Client: Eagle Environmental Services, Inc.
Job ID: 400-251529-1
Project/Site: Big Cajun II LDEQ

Client Sample ID: MW-10H
Lab Sample ID: 400-251529-13
Date Collected: 02/19/24 11:30
Matrix: Water
Date Received: 02/22/24 08:41

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/26/24 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*72 - 130*		*02/26/24 16:57*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*02/26/24 16:57*	*1*
Toluene-d8 (Surr)	*86*		*64 - 132*		*02/26/24 16:57*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	ND		0.117		mg/L		02/26/24 11:15	02/28/24 01:23	1
C28-C40	ND		0.117		mg/L		02/26/24 11:15	02/28/24 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*64*		*21 - 150*	*02/26/24 11:15*	*02/28/24 01:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.4**	**B**	5.00		mg/L			02/29/24 04:01	5
Sulfate	**30.5**		1.00		mg/L			02/26/24 22:03	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0123**		0.00900		mg/L		02/27/24 04:52	02/27/24 18:41	1
Barium	**0.507**		0.500		mg/L		02/27/24 04:52	02/27/24 18:41	1
Calcium	**152**		0.500		mg/L		02/27/24 04:52	02/27/24 18:41	1
Chromium	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 18:41	1
Cobalt	ND		0.100		mg/L		02/27/24 04:52	02/27/24 18:41	1
Copper	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:41	1
Lead	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 18:41	1
Nickel	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 18:41	1
Selenium	ND		0.0400		mg/L		02/27/24 04:52	02/27/24 18:41	1
Vanadium	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 18:41	1
Zinc	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**664**		10.0		mg/L			02/23/24 10:36	1

Client: Eagle Environmental Services, Inc.
Job ID: 400-251529-1
Project/Site: Big Cajun II LDEQ

Client Sample ID: MW-10I
Lab Sample ID: 400-251529-14
Date Collected: 02/19/24 10:42
Matrix: Water
Date Received: 02/22/24 08:41

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/27/24 10:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*72 - 130*		*02/27/24 10:30*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*02/27/24 10:30*	*1*
Toluene-d8 (Surr)	*86*		*64 - 132*		*02/27/24 10:30*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	ND		0.119		mg/L		02/26/24 11:15	02/28/24 01:40	1
C28-C40	ND		0.119		mg/L		02/26/24 11:15	02/28/24 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*31*		*21 - 150*	*02/26/24 11:15*	*02/28/24 01:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.5**		10.0		mg/L			02/29/24 18:06	10
Sulfate	**191**		10.0		mg/L			02/29/24 18:06	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00900		mg/L		02/27/24 04:52	02/27/24 18:30	1
Barium	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:30	1
Calcium	**129**		0.500		mg/L		02/27/24 04:52	02/27/24 18:30	1
Chromium	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 18:30	1
Cobalt	ND		0.100		mg/L		02/27/24 04:52	02/27/24 18:30	1
Copper	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:30	1
Lead	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 18:30	1
Nickel	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 18:30	1
Selenium	ND		0.0400		mg/L		02/27/24 04:52	02/27/24 18:30	1
Vanadium	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 18:30	1
Zinc	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**590**		5.00		mg/L			02/23/24 10:36	1

Client: Eagle Environmental Services, Inc.
Job ID: 400-251529-1
Project/Site: Big Cajun II LDEQ

Client Sample ID: MW-10BG
Lab Sample ID: 400-251529-15
Date Collected: 02/21/24 10:00
Matrix: Water
Date Received: 02/22/24 08:41

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/27/24 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*72 - 130*		*02/27/24 10:55*	*1*
Dibromofluoromethane	*111*		*75 - 126*		*02/27/24 10:55*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*02/27/24 10:55*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	ND		0.122		mg/L		02/26/24 11:15	02/28/24 01:56	1
C28-C40	ND		0.122		mg/L		02/26/24 11:15	02/28/24 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*56*		*21 - 150*	*02/26/24 11:15*	*02/28/24 01:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.44**		1.00		mg/L			02/26/24 22:20	1
Sulfate	**1.30**		1.00		mg/L			02/26/24 22:20	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0381**		0.00900		mg/L		02/27/24 04:52	02/27/24 16:55	1
Barium	ND		0.500		mg/L		02/27/24 04:52	02/27/24 16:55	1
Calcium	**79.2**		0.500		mg/L		02/27/24 04:52	02/27/24 16:55	1
Chromium	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 16:55	1
Cobalt	ND		0.100		mg/L		02/27/24 04:52	02/27/24 16:55	1
Copper	ND		0.500		mg/L		02/27/24 04:52	02/27/24 16:55	1
Lead	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 16:55	1
Nickel	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 16:55	1
Selenium	ND		0.0400		mg/L		02/27/24 04:52	02/27/24 16:55	1
Vanadium	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 16:55	1
Zinc	ND		0.500		mg/L		02/27/24 04:52	02/27/24 16:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**338**		5.00		mg/L			02/23/24 10:36	1

Client: Eagle Environmental Services, Inc.
Project/Site: Big Cajun II LDEQ

Job ID: 400-251529-1

Client Sample ID: FIELD BLANK

Lab Sample ID: 400-251529-16

Date Collected: 02/19/24 09:40

Matrix: Water

Date Received: 02/22/24 08:41

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/27/24 09:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*72 - 130*		*02/27/24 09:41*	*1*
Dibromofluoromethane	*107*		*75 - 126*		*02/27/24 09:41*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*02/27/24 09:41*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	ND		0.115		mg/L		02/26/24 11:15	02/28/24 02:13	1
C28-C40	ND		0.115		mg/L		02/26/24 11:15	02/28/24 02:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*48*		*21 - 150*	*02/26/24 11:15*	*02/28/24 02:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.00		mg/L			02/26/24 22:28	1
Sulfate	ND		1.00		mg/L			02/26/24 22:28	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00900		mg/L		02/27/24 04:52	02/27/24 19:04	1
Barium	ND		0.500		mg/L		02/27/24 04:52	02/27/24 19:04	1
Calcium	ND		0.500		mg/L		02/27/24 04:52	02/27/24 19:04	1
Chromium	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 19:04	1
Cobalt	ND		0.100		mg/L		02/27/24 04:52	02/27/24 19:04	1
Copper	ND		0.500		mg/L		02/27/24 04:52	02/27/24 19:04	1
Lead	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 19:04	1
Nickel	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 19:04	1
Selenium	ND		0.0400		mg/L		02/27/24 04:52	02/27/24 19:04	1
Vanadium	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 19:04	1
Zinc	ND		0.500		mg/L		02/27/24 04:52	02/27/24 19:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	ND		5.00		mg/L			02/23/24 10:36	1

Client Sample ID: DUPLICATE
Lab Sample ID: 400-251529-17
Date Collected: 02/19/24 10:00
Matrix: Water
Date Received: 02/22/24 08:41

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/27/24 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*72 - 130*		*02/27/24 11:19*	*1*
Dibromofluoromethane	*114*		*75 - 126*		*02/27/24 11:19*	*1*
Toluene-d8 (Surr)	*86*		*64 - 132*		*02/27/24 11:19*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	ND		0.118		mg/L		02/26/24 11:15	02/28/24 02:30	1
C28-C40	ND		0.118		mg/L		02/26/24 11:15	02/28/24 02:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*70*		*21 - 150*	*02/26/24 11:15*	*02/28/24 02:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.1**		1.00		mg/L			02/26/24 22:37	1
Sulfate	ND		1.00		mg/L			02/26/24 22:37	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00900		mg/L		02/27/24 04:52	02/27/24 18:24	1
Barium	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:24	1
Calcium	**70.5**		0.500		mg/L		02/27/24 04:52	02/27/24 18:24	1
Chromium	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 18:24	1
Cobalt	ND		0.100		mg/L		02/27/24 04:52	02/27/24 18:24	1
Copper	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:24	1
Lead	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 18:24	1
Nickel	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 18:24	1
Selenium	ND		0.0400		mg/L		02/27/24 04:52	02/27/24 18:24	1
Vanadium	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 18:24	1
Zinc	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**344**		5.00		mg/L			02/23/24 10:36	1

Client: Eagle Environmental Services, Inc.
Project/Site: Big Cajun II LDEQ

Job ID: 400-251529-1

Client Sample ID: TRIP BLANK

Date Collected: 02/19/24 12:00
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-18

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/27/24 10:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*72 - 130*		*02/27/24 10:06*	*1*
Dibromofluoromethane	*111*		*75 - 126*		*02/27/24 10:06*	*1*
Toluene-d8 (Surr)	*86*		*64 - 132*		*02/27/24 10:06*	*1*

Definitions/Glossary

Client: Eagle Environmental Services, Inc. Job ID: 400-251529-1
Project/Site: Big Cajun II LDEQ

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.

HPLC/IC

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.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.

Metals

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

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

GC/MS VOA

Analysis Batch: 662221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-251529-1	MW-85A	Total/NA	Water	8260D	
400-251529-2	MW-85B	Total/NA	Water	8260D	
400-251529-3	MW-85C	Total/NA	Water	8260D	
400-251529-4	MW-85D	Total/NA	Water	8260D	
400-251529-5	MW-85E	Total/NA	Water	8260D	
400-251529-6	MW-10A	Total/NA	Water	8260D	
400-251529-7	MW-10B	Total/NA	Water	8260D	
400-251529-8	MW-10CR1	Total/NA	Water	8260D	
400-251529-9	MW-10D	Total/NA	Water	8260D	
400-251529-10	MW-10E	Total/NA	Water	8260D	
400-251529-11	MW-10F	Total/NA	Water	8260D	
400-251529-12	MW-10G	Total/NA	Water	8260D	
400-251529-13	MW-10H	Total/NA	Water	8260D	
MB 400-662221/4	Method Blank	Total/NA	Water	8260D	
LCS 400-662221/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 662376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-251529-14	MW-10I	Total/NA	Water	8260D	
400-251529-15	MW-10BG	Total/NA	Water	8260D	
400-251529-16	FIELD BLANK	Total/NA	Water	8260D	
400-251529-17	DUPLICATE	Total/NA	Water	8260D	
400-251529-18	TRIP BLANK	Total/NA	Water	8260D	
MB 400-662376/4	Method Blank	Total/NA	Water	8260D	
LCS 400-662376/1002	Lab Control Sample	Total/NA	Water	8260D	
400-251529-14 MS	MW-10I	Total/NA	Water	8260D	
400-251529-14 MSD	MW-10I	Total/NA	Water	8260D	

GC Semi VOA

Prep Batch: 662284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-251529-1	MW-85A	Total/NA	Water	3510C	
400-251529-2	MW-85B	Total/NA	Water	3510C	
400-251529-3	MW-85C	Total/NA	Water	3510C	
400-251529-4	MW-85D	Total/NA	Water	3510C	
400-251529-5	MW-85E	Total/NA	Water	3510C	
400-251529-6	MW-10A	Total/NA	Water	3510C	
400-251529-7	MW-10B	Total/NA	Water	3510C	
400-251529-8	MW-10CR1	Total/NA	Water	3510C	
400-251529-9	MW-10D	Total/NA	Water	3510C	
400-251529-10	MW-10E	Total/NA	Water	3510C	
400-251529-11	MW-10F	Total/NA	Water	3510C	
400-251529-12	MW-10G	Total/NA	Water	3510C	
400-251529-13	MW-10H	Total/NA	Water	3510C	
400-251529-14	MW-10I	Total/NA	Water	3510C	
400-251529-15	MW-10BG	Total/NA	Water	3510C	
400-251529-16	FIELD BLANK	Total/NA	Water	3510C	
400-251529-17	DUPLICATE	Total/NA	Water	3510C	
MB 400-662284/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-662284/2-A	Lab Control Sample	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 662284 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 400-662284/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 662449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-251529-1	MW-85A	Total/NA	Water	8015C	662284
400-251529-2	MW-85B	Total/NA	Water	8015C	662284
400-251529-3	MW-85C	Total/NA	Water	8015C	662284
400-251529-4	MW-85D	Total/NA	Water	8015C	662284
400-251529-5	MW-85E	Total/NA	Water	8015C	662284
400-251529-6	MW-10A	Total/NA	Water	8015C	662284
400-251529-7	MW-10B	Total/NA	Water	8015C	662284
400-251529-8	MW-10CR1	Total/NA	Water	8015C	662284
400-251529-9	MW-10D	Total/NA	Water	8015C	662284
400-251529-10	MW-10E	Total/NA	Water	8015C	662284
400-251529-11	MW-10F	Total/NA	Water	8015C	662284
400-251529-12	MW-10G	Total/NA	Water	8015C	662284
400-251529-13	MW-10H	Total/NA	Water	8015C	662284
400-251529-14	MW-10I	Total/NA	Water	8015C	662284
400-251529-15	MW-10BG	Total/NA	Water	8015C	662284
400-251529-16	FIELD BLANK	Total/NA	Water	8015C	662284
400-251529-17	DUPLICATE	Total/NA	Water	8015C	662284
MB 400-662284/1-A	Method Blank	Total/NA	Water	8015C	662284
LCS 400-662284/2-A	Lab Control Sample	Total/NA	Water	8015C	662284
LCSD 400-662284/3-A	Lab Control Sample Dup	Total/NA	Water	8015C	662284

HPLC/IC

Analysis Batch: 662323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-251529-1	MW-85A	Total/NA	Water	300.0	
MB 400-662323/5	Method Blank	Total/NA	Water	300.0	
LCS 400-662323/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-662323/7	Lab Control Sample Dup	Total/NA	Water	300.0	

Analysis Batch: 662330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-251529-8	MW-10CR1	Total/NA	Water	300.0	
400-251529-9	MW-10D	Total/NA	Water	300.0	
400-251529-13	MW-10H	Total/NA	Water	300.0	
400-251529-15	MW-10BG	Total/NA	Water	300.0	
400-251529-16	FIELD BLANK	Total/NA	Water	300.0	
400-251529-17	DUPLICATE	Total/NA	Water	300.0	
MB 400-662330/29	Method Blank	Total/NA	Water	300.0	
LCS 400-662330/30	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-662330/31	Lab Control Sample Dup	Total/NA	Water	300.0	
400-251529-8 MS	MW-10CR1	Total/NA	Water	300.0	
400-251529-8 MSD	MW-10CR1	Total/NA	Water	300.0	

Analysis Batch: 662677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-251529-5	MW-85E	Total/NA	Water	300.0	

HPLC/IC (Continued)

Analysis Batch: 662677 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-251529-5	MW-85E	Total/NA	Water	300.0	
400-251529-6	MW-10A	Total/NA	Water	300.0	
400-251529-6	MW-10A	Total/NA	Water	300.0	
400-251529-11	MW-10F	Total/NA	Water	300.0	
400-251529-11	MW-10F	Total/NA	Water	300.0	
400-251529-13	MW-10H	Total/NA	Water	300.0	
MB 400-662677/77	Method Blank	Total/NA	Water	300.0	
LCS 400-662677/78	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-662677/79	Lab Control Sample Dup	Total/NA	Water	300.0	

Analysis Batch: 662827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-251529-2	MW-85B	Total/NA	Water	300.0	
400-251529-3	MW-85C	Total/NA	Water	300.0	
400-251529-4	MW-85D	Total/NA	Water	300.0	
400-251529-7	MW-10B	Total/NA	Water	300.0	
400-251529-8	MW-10CR1	Total/NA	Water	300.0	
400-251529-9	MW-10D	Total/NA	Water	300.0	
400-251529-10	MW-10E	Total/NA	Water	300.0	
400-251529-12	MW-10G	Total/NA	Water	300.0	
400-251529-14	MW-10I	Total/NA	Water	300.0	
MB 400-662827/5	Method Blank	Total/NA	Water	300.0	
LCS 400-662827/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-662827/7	Lab Control Sample Dup	Total/NA	Water	300.0	
400-251529-8 MS	MW-10CR1	Total/NA	Water	300.0	
400-251529-8 MSD	MW-10CR1	Total/NA	Water	300.0	

Metals

Prep Batch: 824450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-251529-8	MW-10CR1	Total Recoverable	Water	3005A	
400-251529-9	MW-10D	Total Recoverable	Water	3005A	
MB 680-824450/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-824450/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 824663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-251529-1	MW-85A	Total Recoverable	Water	3005A	
400-251529-2	MW-85B	Total Recoverable	Water	3005A	
400-251529-4	MW-85D	Total Recoverable	Water	3005A	
400-251529-5	MW-85E	Total Recoverable	Water	3005A	
400-251529-7	MW-10B	Total Recoverable	Water	3005A	
400-251529-13	MW-10H	Total Recoverable	Water	3005A	
400-251529-14	MW-10I	Total Recoverable	Water	3005A	
400-251529-16	FIELD BLANK	Total Recoverable	Water	3005A	
400-251529-17	DUPLICATE	Total Recoverable	Water	3005A	
MB 680-824663/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-824663/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Metals

Prep Batch: 824664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-251529-3	MW-85C	Total Recoverable	Water	3005A	
400-251529-6	MW-10A	Total Recoverable	Water	3005A	
400-251529-10	MW-10E	Total Recoverable	Water	3005A	
400-251529-11	MW-10F	Total Recoverable	Water	3005A	
400-251529-12	MW-10G	Total Recoverable	Water	3005A	
400-251529-15	MW-10BG	Total Recoverable	Water	3005A	
MB 680-824664/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-824664/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 824692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-251529-8	MW-10CR1	Total Recoverable	Water	6020B	824450
400-251529-9	MW-10D	Total Recoverable	Water	6020B	824450
MB 680-824450/1-A	Method Blank	Total Recoverable	Water	6020B	824450
LCS 680-824450/2-A	Lab Control Sample	Total Recoverable	Water	6020B	824450

Analysis Batch: 824936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-251529-1	MW-85A	Total Recoverable	Water	6020B	824663
400-251529-2	MW-85B	Total Recoverable	Water	6020B	824663
400-251529-3	MW-85C	Total Recoverable	Water	6020B	824664
400-251529-4	MW-85D	Total Recoverable	Water	6020B	824663
400-251529-5	MW-85E	Total Recoverable	Water	6020B	824663
400-251529-6	MW-10A	Total Recoverable	Water	6020B	824664
400-251529-7	MW-10B	Total Recoverable	Water	6020B	824663
400-251529-10	MW-10E	Total Recoverable	Water	6020B	824664
400-251529-11	MW-10F	Total Recoverable	Water	6020B	824664
400-251529-12	MW-10G	Total Recoverable	Water	6020B	824664
400-251529-13	MW-10H	Total Recoverable	Water	6020B	824663
400-251529-14	MW-10I	Total Recoverable	Water	6020B	824663
400-251529-15	MW-10BG	Total Recoverable	Water	6020B	824664
400-251529-16	FIELD BLANK	Total Recoverable	Water	6020B	824663
400-251529-17	DUPLICATE	Total Recoverable	Water	6020B	824663
MB 680-824663/1-A	Method Blank	Total Recoverable	Water	6020B	824663
MB 680-824664/1-A	Method Blank	Total Recoverable	Water	6020B	824664
LCS 680-824663/2-A	Lab Control Sample	Total Recoverable	Water	6020B	824663
LCS 680-824664/2-A	Lab Control Sample	Total Recoverable	Water	6020B	824664

General Chemistry

Analysis Batch: 662084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-251529-1	MW-85A	Total/NA	Water	SM 2540C	
400-251529-2	MW-85B	Total/NA	Water	SM 2540C	
400-251529-3	MW-85C	Total/NA	Water	SM 2540C	
400-251529-4	MW-85D	Total/NA	Water	SM 2540C	
400-251529-5	MW-85E	Total/NA	Water	SM 2540C	
400-251529-6	MW-10A	Total/NA	Water	SM 2540C	
400-251529-7	MW-10B	Total/NA	Water	SM 2540C	
400-251529-8	MW-10CR1	Total/NA	Water	SM 2540C	
400-251529-9	MW-10D	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 662084 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-251529-10	MW-10E	Total/NA	Water	SM 2540C	
400-251529-11	MW-10F	Total/NA	Water	SM 2540C	
400-251529-12	MW-10G	Total/NA	Water	SM 2540C	
400-251529-13	MW-10H	Total/NA	Water	SM 2540C	
400-251529-14	MW-10I	Total/NA	Water	SM 2540C	
400-251529-15	MW-10BG	Total/NA	Water	SM 2540C	
400-251529-16	FIELD BLANK	Total/NA	Water	SM 2540C	
400-251529-17	DUPLICATE	Total/NA	Water	SM 2540C	
MB 400-662084/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-662084/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-251529-1 DU	MW-85A	Total/NA	Water	SM 2540C	
400-251529-11 DU	MW-10F	Total/NA	Water	SM 2540C	

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-662221/4
Matrix: Water
Analysis Batch: 662221

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/26/24 08:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*		*72 - 130*		*02/26/24 08:27*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*02/26/24 08:27*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*02/26/24 08:27*	*1*

Lab Sample ID: LCS 400-662221/1002
Matrix: Water
Analysis Batch: 662221

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Naphthalene			0.0500	0.04501		mg/L		90	47 - 149		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*72 - 130*
Dibromofluoromethane	*105*		*75 - 126*
Toluene-d8 (Surr)	*95*		*64 - 132*

Lab Sample ID: MB 400-662376/4
Matrix: Water
Analysis Batch: 662376

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			02/27/24 09:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*72 - 130*		*02/27/24 09:17*	*1*
Dibromofluoromethane	*114*		*75 - 126*		*02/27/24 09:17*	*1*
Toluene-d8 (Surr)	*86*		*64 - 132*		*02/27/24 09:17*	*1*

Lab Sample ID: LCS 400-662376/1002
Matrix: Water
Analysis Batch: 662376

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Naphthalene			0.0500	0.04171		mg/L		83	47 - 149		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*72 - 130*
Dibromofluoromethane	*108*		*75 - 126*
Toluene-d8 (Surr)	*92*		*64 - 132*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-251529-14 MS
Matrix: Water
Analysis Batch: 662376

Client Sample ID: MW-10I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	ND		0.0500	0.03595		mg/L		72	25 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*72 - 130*
Dibromofluoromethane	*103*		*75 - 126*
Toluene-d8 (Surr)	*91*		*64 - 132*

Lab Sample ID: 400-251529-14 MSD
Matrix: Water
Analysis Batch: 662376

Client Sample ID: MW-10I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene	ND		0.0500	0.03485		mg/L		70	25 - 150	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*72 - 130*
Dibromofluoromethane	*104*		*75 - 126*
Toluene-d8 (Surr)	*91*		*64 - 132*

Method: 8015C - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 400-662284/1-A
Matrix: Water
Analysis Batch: 662449

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 662284

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	ND		0.125		mg/L		02/26/24 11:15	02/27/24 20:35	1
C28-C40	ND		0.125		mg/L		02/26/24 11:15	02/27/24 20:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*70*		*21 - 150*	*02/26/24 11:15*	*02/27/24 20:35*	*1*

Lab Sample ID: LCS 400-662284/2-A
Matrix: Water
Analysis Batch: 662449

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 662284

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28			16.4	14.62		mg/L		89	49 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*83*		*21 - 150*

Lab Sample ID: LCSD 400-662284/3-A
Matrix: Water
Analysis Batch: 662449

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 662284

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			32.7	26.97		mg/L		82	49 - 128	59	50

Method: 8015C - Diesel Range Organics (DRO) (GC) (Continued)

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl (Surr)	149		21 - 150

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-662323/5
Matrix: Water
Analysis Batch: 662323

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.00		mg/L			02/26/24 16:56	1
Sulfate	ND		1.00		mg/L			02/26/24 16:56	1

Lab Sample ID: LCS 400-662323/6
Matrix: Water
Analysis Batch: 662323

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.912		mg/L		99	90 - 110
Sulfate	10.0	10.05		mg/L		100	90 - 110

Lab Sample ID: LCSD 400-662323/7
Matrix: Water
Analysis Batch: 662323

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	9.888		mg/L		99	90 - 110	0	15
Sulfate	10.0	10.07		mg/L		101	90 - 110	0	15

Lab Sample ID: MB 400-662330/29
Matrix: Water
Analysis Batch: 662330

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.00		mg/L			02/26/24 20:21	1
Sulfate	ND		1.00		mg/L			02/26/24 20:21	1

Lab Sample ID: LCS 400-662330/30
Matrix: Water
Analysis Batch: 662330

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.03		mg/L		100	90 - 110
Sulfate	10.0	10.32		mg/L		103	90 - 110

Lab Sample ID: LCSD 400-662330/31
Matrix: Water
Analysis Batch: 662330

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	9.944		mg/L		99	90 - 110	1	15
Sulfate	10.0	10.22		mg/L		102	90 - 110	1	15

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 400-251529-8 MS
Matrix: Water
Analysis Batch: 662330

Client Sample ID: MW-10CR1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	42.5		10.0	58.15	E 4	mg/L		156	80 - 120
Sulfate	166	E	10.0	181.1	E 4	mg/L		155	80 - 120

Lab Sample ID: 400-251529-8 MSD
Matrix: Water
Analysis Batch: 662330

Client Sample ID: MW-10CR1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	42.5		10.0	58.50	E 4	mg/L		160	80 - 120	1	20
Sulfate	166	E	10.0	181.3	E 4	mg/L		157	80 - 120	0	20

Lab Sample ID: MB 400-662677/77
Matrix: Water
Analysis Batch: 662677

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.293		1.00		mg/L			02/29/24 01:02	1
Sulfate	6.838		1.00		mg/L			02/29/24 01:02	1

Lab Sample ID: LCS 400-662677/78
Matrix: Water
Analysis Batch: 662677

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.794		mg/L		98	90 - 110
Sulfate	10.0	10.13		mg/L		101	90 - 110

Lab Sample ID: LCSD 400-662677/79
Matrix: Water
Analysis Batch: 662677

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	9.920		mg/L		99	90 - 110	1	15
Sulfate	10.0	10.21		mg/L		102	90 - 110	1	15

Lab Sample ID: MB 400-662827/5
Matrix: Water
Analysis Batch: 662827

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.00		mg/L			02/29/24 15:49	1
Sulfate	ND		1.00		mg/L			02/29/24 15:49	1

Lab Sample ID: LCS 400-662827/6
Matrix: Water
Analysis Batch: 662827

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.614		mg/L		96	90 - 110
Sulfate	10.0	9.609		mg/L		96	90 - 110

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 400-662827/7
Matrix: Water
Analysis Batch: 662827

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			10.0	9.457		mg/L		95	90 - 110	2	15
Sulfate			10.0	9.674		mg/L		97	90 - 110	1	15

Lab Sample ID: 400-251529-8 MS
Matrix: Water
Analysis Batch: 662827

Client Sample ID: MW-10CR1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	36.7		50.0	82.80		mg/L		92	80 - 120		
Sulfate	135	F1	50.0	167.2	F1	mg/L		65	80 - 120		

Lab Sample ID: 400-251529-8 MSD
Matrix: Water
Analysis Batch: 662827

Client Sample ID: MW-10CR1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	36.7		50.0	82.75		mg/L		92	80 - 120	0	20
Sulfate	135	F1	50.0	168.6	F1	mg/L		68	80 - 120	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-824450/1-A
Matrix: Water
Analysis Batch: 824692

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 824450

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00900		mg/L		02/26/24 08:14	02/26/24 19:27	1
Barium	ND		0.500		mg/L		02/26/24 08:14	02/26/24 19:27	1
Calcium	ND		0.500		mg/L		02/26/24 08:14	02/26/24 19:27	1
Chromium	ND		0.0500		mg/L		02/26/24 08:14	02/26/24 19:27	1
Cobalt	ND		0.100		mg/L		02/26/24 08:14	02/26/24 19:27	1
Copper	ND		0.500		mg/L		02/26/24 08:14	02/26/24 19:27	1
Lead	ND		0.0100		mg/L		02/26/24 08:14	02/26/24 19:27	1
Nickel	ND		0.0500		mg/L		02/26/24 08:14	02/26/24 19:27	1
Selenium	ND		0.0400		mg/L		02/26/24 08:14	02/26/24 19:27	1
Vanadium	ND		0.0100		mg/L		02/26/24 08:14	02/26/24 19:27	1
Zinc	ND		0.500		mg/L		02/26/24 08:14	02/26/24 19:27	1

Lab Sample ID: LCS 680-824450/2-A
Matrix: Water
Analysis Batch: 824692

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 824450

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			0.100	0.09880		mg/L		99	80 - 120		
Barium			0.100	0.1070	J	mg/L		107	80 - 120		
Calcium			5.00	5.260		mg/L		105	80 - 120		
Chromium			0.100	0.1062		mg/L		106	80 - 120		
Cobalt			0.0500	0.05580	J	mg/L		112	80 - 120		
Copper			0.101	0.1067	J	mg/L		106	80 - 120		
Lead			0.500	0.4826		mg/L		97	80 - 120		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-824450/2-A
Matrix: Water
Analysis Batch: 824692

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 824450

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	0.100	0.1049		mg/L		105	80 - 120
Selenium	0.100	0.09492		mg/L		95	80 - 120
Vanadium	0.100	0.1019		mg/L		102	80 - 120
Zinc	0.0505	0.05198	J	mg/L		103	80 - 120

Lab Sample ID: MB 680-824663/1-A
Matrix: Water
Analysis Batch: 824936

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 824663

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00900		mg/L		02/27/24 04:52	02/27/24 18:07	1
Barium	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:07	1
Calcium	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:07	1
Chromium	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 18:07	1
Cobalt	ND		0.100		mg/L		02/27/24 04:52	02/27/24 18:07	1
Copper	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:07	1
Lead	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 18:07	1
Nickel	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 18:07	1
Selenium	ND		0.0400		mg/L		02/27/24 04:52	02/27/24 18:07	1
Vanadium	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 18:07	1
Zinc	ND		0.500		mg/L		02/27/24 04:52	02/27/24 18:07	1

Lab Sample ID: LCS 680-824663/2-A
Matrix: Water
Analysis Batch: 824936

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 824663

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.1071		mg/L		107	80 - 120
Barium	0.100	0.1097	J	mg/L		110	80 - 120
Calcium	5.00	5.308		mg/L		106	80 - 120
Chromium	0.100	0.1098		mg/L		109	80 - 120
Cobalt	0.0500	0.05603	J	mg/L		112	80 - 120
Copper	0.101	0.1121	J	mg/L		111	80 - 120
Lead	0.500	0.5036		mg/L		101	80 - 120
Nickel	0.100	0.1112		mg/L		111	80 - 120
Selenium	0.100	0.1028		mg/L		103	80 - 120
Vanadium	0.100	0.1084		mg/L		108	80 - 120
Zinc	0.0505	0.05498	J	mg/L		109	80 - 120

Lab Sample ID: MB 680-824664/1-A
Matrix: Water
Analysis Batch: 824936

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 824664

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00900		mg/L		02/27/24 04:52	02/27/24 16:38	1
Barium	ND		0.500		mg/L		02/27/24 04:52	02/27/24 16:38	1
Calcium	ND		0.500		mg/L		02/27/24 04:52	02/27/24 16:38	1
Chromium	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 16:38	1
Cobalt	ND		0.100		mg/L		02/27/24 04:52	02/27/24 16:38	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-824664/1-A
Matrix: Water
Analysis Batch: 824936

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 824664

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		0.500		mg/L		02/27/24 04:52	02/27/24 16:38	1
Lead	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 16:38	1
Nickel	ND		0.0500		mg/L		02/27/24 04:52	02/27/24 16:38	1
Selenium	ND		0.0400		mg/L		02/27/24 04:52	02/27/24 16:38	1
Vanadium	ND		0.0100		mg/L		02/27/24 04:52	02/27/24 16:38	1
Zinc	ND		0.500		mg/L		02/27/24 04:52	02/27/24 16:38	1

Lab Sample ID: LCS 680-824664/2-A
Matrix: Water
Analysis Batch: 824936

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 824664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.1106		mg/L		111	80 - 120
Barium	0.100	0.1135	J	mg/L		113	80 - 120
Calcium	5.00	5.498		mg/L		110	80 - 120
Chromium	0.100	0.1131		mg/L		113	80 - 120
Cobalt	0.0500	0.05832	J	mg/L		117	80 - 120
Copper	0.101	0.1164	J	mg/L		115	80 - 120
Lead	0.500	0.5203		mg/L		104	80 - 120
Nickel	0.100	0.1138		mg/L		114	80 - 120
Selenium	0.100	0.1083		mg/L		108	80 - 120
Vanadium	0.100	0.1122		mg/L		112	80 - 120
Zinc	0.0505	0.05771	J	mg/L		114	80 - 120

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

Lab Sample ID: MB 400-662084/1
Matrix: Water
Analysis Batch: 662084

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		5.00		mg/L			02/23/24 10:36	1

Lab Sample ID: LCS 400-662084/2
Matrix: Water
Analysis Batch: 662084

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	293	294.0		mg/L		100	78 - 122

Lab Sample ID: 400-251529-1 DU
Matrix: Water
Analysis Batch: 662084

Client Sample ID: MW-85A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	348		338.0		mg/L		3	5

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

Lab Sample ID: 400-251529-11 DU
Matrix: Water
Analysis Batch: 662084

Client Sample ID: MW-10F
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1560			1540		mg/L				1	5

Lab Chronicle

Client: Eagle Environmental Services, Inc.
Project/Site: Big Cajun II LDEQ

Job ID: 400-251529-1

Client Sample ID: MW-85A
Date Collected: 02/19/24 10:00
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662221	02/26/24 12:04	WPD	EET PEN
Total/NA	Prep	3510C			265.6 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/27/24 21:43	MP	EET PEN
Total/NA	Analysis	300.0		1			662323	02/26/24 19:04	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	824663	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 18:58	BWR	EET SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: MW-85B
Date Collected: 02/20/24 11:10
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662221	02/26/24 12:29	WPD	EET PEN
Total/NA	Prep	3510C			257.4 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/27/24 22:00	MP	EET PEN
Total/NA	Analysis	300.0		10			662827	02/29/24 16:49	LHB	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	824663	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 19:21	BWR	EET SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: MW-85C
Date Collected: 02/20/24 12:30
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662221	02/26/24 12:53	WPD	EET PEN
Total/NA	Prep	3510C			257.4 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/27/24 22:17	MP	EET PEN
Total/NA	Analysis	300.0		10			662827	02/29/24 16:57	LHB	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	824664	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 17:24	BWR	EET SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: MW-85D
Date Collected: 02/20/24 14:00
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662221	02/26/24 13:18	WPD	EET PEN
Total/NA	Prep	3510C			263.2 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/27/24 22:34	MP	EET PEN
Total/NA	Analysis	300.0		10			662827	02/29/24 17:06	LHB	EET PEN

Client Sample ID: MW-85D — Lab Sample ID: 400-251529-4

Date Collected: 02/20/24 14:00 **Matrix: Water**
Date Received: 02/22/24 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	824663	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 18:52	BWR	EET SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: MW-85E — Lab Sample ID: 400-251529-5

Date Collected: 02/19/24 13:30 **Matrix: Water**
Date Received: 02/22/24 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662221	02/26/24 13:42	WPD	EET PEN
Total/NA	Prep	3510C			269.2 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/27/24 22:51	MP	EET PEN
Total/NA	Analysis	300.0		5			662677	02/29/24 03:10	LHB	EET PEN
Total/NA	Analysis	300.0		50			662677	02/29/24 03:19	LHB	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	824663	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 18:47	BWR	EET SAV
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: MW-10A — Lab Sample ID: 400-251529-6

Date Collected: 02/20/24 08:55 **Matrix: Water**
Date Received: 02/22/24 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662221	02/26/24 14:07	WPD	EET PEN
Total/NA	Prep	3510C			260.4 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/27/24 23:08	MP	EET PEN
Total/NA	Analysis	300.0		2			662677	02/29/24 03:27	LHB	EET PEN
Total/NA	Analysis	300.0		20			662677	02/29/24 03:36	LHB	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	824664	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 17:30	BWR	EET SAV
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: MW-10B — Lab Sample ID: 400-251529-7

Date Collected: 02/20/24 10:30 **Matrix: Water**
Date Received: 02/22/24 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662221	02/26/24 14:31	WPD	EET PEN
Total/NA	Prep	3510C			253.2 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/27/24 23:25	MP	EET PEN
Total/NA	Analysis	300.0		10			662827	02/29/24 17:31	LHB	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	824663	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 19:15	BWR	EET SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: MW-10CR1

Lab Sample ID: 400-251529-8

Date Collected: 02/20/24 11:45

Matrix: Water

Date Received: 02/22/24 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662221	02/26/24 14:56	WPD	EET PEN
Total/NA	Prep	3510C			254.2 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/27/24 23:58	MP	EET PEN
Total/NA	Analysis	300.0		1			662330	02/26/24 20:46	AMM	EET PEN
Total/NA	Analysis	300.0		5			662827	02/29/24 16:15	LHB	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	824450	02/26/24 08:14	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824692	02/26/24 20:36	BWR	EET SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: MW-10D

Lab Sample ID: 400-251529-9

Date Collected: 02/20/24 13:10

Matrix: Water

Date Received: 02/22/24 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662221	02/26/24 15:20	WPD	EET PEN
Total/NA	Prep	3510C			257.8 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/28/24 00:15	MP	EET PEN
Total/NA	Analysis	300.0		1			662330	02/26/24 21:12	AMM	EET PEN
Total/NA	Analysis	300.0		10			662827	02/29/24 17:40	LHB	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	824450	02/26/24 08:14	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824692	02/26/24 20:41	BWR	EET SAV
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: MW-10E

Lab Sample ID: 400-251529-10

Date Collected: 02/19/24 13:30

Matrix: Water

Date Received: 02/22/24 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662221	02/26/24 15:45	WPD	EET PEN
Total/NA	Prep	3510C			268.4 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/28/24 00:32	MP	EET PEN
Total/NA	Analysis	300.0		10			662827	02/29/24 17:49	LHB	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	824664	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 17:12	BWR	EET SAV
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: MW-10F

Lab Sample ID: 400-251529-11

Date Collected: 02/19/24 12:45

Matrix: Water

Date Received: 02/22/24 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662221	02/26/24 16:08	WPD	EET PEN
Total/NA	Prep	3510C			265 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/28/24 00:49	MP	EET PEN

Lab Chronicle

Client: Eagle Environmental Services, Inc.
Job ID: 400-251529-1
Project/Site: Big Cajun II LDEQ

Client Sample ID: MW-10F
Lab Sample ID: 400-251529-11
Date Collected: 02/19/24 12:45
Matrix: Water
Date Received: 02/22/24 08:41

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		2			662677	02/29/24 03:44	LHB	EET PEN
Total/NA	Analysis	300.0		50			662677	02/29/24 03:53	LHB	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	824664	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 17:01	BWR	EET SAV
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: MW-10G
Lab Sample ID: 400-251529-12
Date Collected: 02/19/24 12:15
Matrix: Water
Date Received: 02/22/24 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662221	02/26/24 16:32	WPD	EET PEN
Total/NA	Prep	3510C			268.6 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/28/24 01:06	MP	EET PEN
Total/NA	Analysis	300.0		10			662827	02/29/24 17:57	LHB	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	824664	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 17:18	BWR	EET SAV
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: MW-10H
Lab Sample ID: 400-251529-13
Date Collected: 02/19/24 11:30
Matrix: Water
Date Received: 02/22/24 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662221	02/26/24 16:57	WPD	EET PEN
Total/NA	Prep	3510C			266.2 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/28/24 01:23	MP	EET PEN
Total/NA	Analysis	300.0		1			662330	02/26/24 22:03	AMM	EET PEN
Total/NA	Analysis	300.0		5			662677	02/29/24 04:01	LHB	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	824663	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 18:41	BWR	EET SAV
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: MW-10I
Lab Sample ID: 400-251529-14
Date Collected: 02/19/24 10:42
Matrix: Water
Date Received: 02/22/24 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662376	02/27/24 10:30	WPD	EET PEN
Total/NA	Prep	3510C			263.2 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/28/24 01:40	MP	EET PEN
Total/NA	Analysis	300.0		10			662827	02/29/24 18:06	LHB	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	824663	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 18:30	BWR	EET SAV

Lab Chronicle

Client: Eagle Environmental Services, Inc.
Project/Site: Big Cajun II LDEQ

Job ID: 400-251529-1

Client Sample ID: MW-10I
Date Collected: 02/19/24 10:42
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: MW-10BG
Date Collected: 02/21/24 10:00
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662376	02/27/24 10:55	WPD	EET PEN
Total/NA	Prep	3510C			256.8 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/28/24 01:56	MP	EET PEN
Total/NA	Analysis	300.0		1			662330	02/26/24 22:20	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	824664	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 16:55	BWR	EET SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: FIELD BLANK
Date Collected: 02/19/24 09:40
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662376	02/27/24 09:41	WPD	EET PEN
Total/NA	Prep	3510C			272 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/28/24 02:13	MP	EET PEN
Total/NA	Analysis	300.0		1			662330	02/26/24 22:28	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	824663	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 19:04	BWR	EET SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: DUPLICATE
Date Collected: 02/19/24 10:00
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662376	02/27/24 11:19	WPD	EET PEN
Total/NA	Prep	3510C			265.8 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/28/24 02:30	MP	EET PEN
Total/NA	Analysis	300.0		1			662330	02/26/24 22:37	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	824663	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 18:24	BWR	EET SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Lab Chronicle

Client: Eagle Environmental Services, Inc.
Project/Site: Big Cajun II LDEQ

Job ID: 400-251529-1

Client Sample ID: TRIP BLANK
Lab Sample ID: 400-251529-18
Date Collected: 02/19/24 12:00
Matrix: Water
Date Received: 02/22/24 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662376	02/27/24 10:06	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-662084/1
Date Collected: N/A
Matrix: Water
Date Received: N/A

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	50 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-662221/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662221	02/26/24 08:27	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-662284/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/27/24 20:35	MP	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-662323/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

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			662323	02/26/24 16:56	AMM	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-662330/29
Date Collected: N/A
Matrix: Water
Date Received: N/A

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			662330	02/26/24 20:21	AMM	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-662376/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662376	02/27/24 09:17	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-662677/77
Date Collected: N/A
Matrix: Water
Date Received: N/A

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			662677	02/29/24 01:02	LHB	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-662827/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

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			662827	02/29/24 15:49	LHB	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 680-824450/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	824450	02/26/24 08:14	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824692	02/26/24 19:27	BWR	EET SAV

Client Sample ID: Method Blank
Lab Sample ID: MB 680-824663/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	824663	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 18:07	BWR	EET SAV

Client Sample ID: Method Blank
Lab Sample ID: MB 680-824664/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	824664	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 16:38	BWR	EET SAV

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-662084/2
Date Collected: N/A
Matrix: Water
Date Received: N/A

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	50 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-662221/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662221	02/26/24 07:29	WPD	EET PEN

Lab Chronicle

Client: Eagle Environmental Services, Inc.
Project/Site: Big Cajun II LDEQ

Job ID: 400-251529-1

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-662284/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/27/24 21:09	MP	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-662323/6
Date Collected: N/A
Matrix: Water
Date Received: N/A

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			662323	02/26/24 17:05	AMM	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-662330/30
Date Collected: N/A
Matrix: Water
Date Received: N/A

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			662330	02/26/24 20:29	AMM	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-662376/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662376	02/27/24 08:18	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-662677/78
Date Collected: N/A
Matrix: Water
Date Received: N/A

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			662677	02/29/24 01:11	LHB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-662827/6
Date Collected: N/A
Matrix: Water
Date Received: N/A

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			662827	02/29/24 15:58	LHB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 680-824450/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	824450	02/26/24 08:14	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824692	02/26/24 19:30	BWR	EET SAV

Lab Chronicle

Client: Eagle Environmental Services, Inc.
Job ID: 400-251529-1
Project/Site: Big Cajun II LDEQ

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 680-824663/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	824663	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 18:10	BWR	EET SAV

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 680-824664/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	824664	02/27/24 04:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			824936	02/27/24 16:41	BWR	EET SAV

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-662284/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250 mL	1 mL	662284	02/26/24 11:15	BAW	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	662449	02/27/24 21:26	MP	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-662323/7
Date Collected: N/A
Matrix: Water
Date Received: N/A

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			662323	02/26/24 17:13	AMM	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-662330/31
Date Collected: N/A
Matrix: Water
Date Received: N/A

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			662330	02/26/24 20:38	AMM	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-662677/79
Date Collected: N/A
Matrix: Water
Date Received: N/A

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			662677	02/29/24 01:19	LHB	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-662827/7
Date Collected: N/A
Matrix: Water
Date Received: N/A

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			662827	02/29/24 16:06	LHB	EET PEN

Lab Chronicle

Client: Eagle Environmental Services, Inc.
Project/Site: Big Cajun II LDEQ

Job ID: 400-251529-1

Client Sample ID: MW-10CR1
Date Collected: 02/20/24 11:45
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-8 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			662330	02/26/24 20:55	AMM	EET PEN
Total/NA	Analysis	300.0		5			662827	02/29/24 16:23	LHB	EET PEN

Client Sample ID: MW-10CR1
Date Collected: 02/20/24 11:45
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-8 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			662330	02/26/24 21:03	AMM	EET PEN
Total/NA	Analysis	300.0		5			662827	02/29/24 16:32	LHB	EET PEN

Client Sample ID: MW-10I
Date Collected: 02/19/24 10:42
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-14 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662376	02/27/24 12:55	WPD	EET PEN

Client Sample ID: MW-10I
Date Collected: 02/19/24 10:42
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-14 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	662376	02/27/24 13:19	WPD	EET PEN

Client Sample ID: MW-85A
Date Collected: 02/19/24 10:00
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-1 DU
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Client Sample ID: MW-10F
Date Collected: 02/19/24 12:45
Date Received: 02/22/24 08:41

Lab Sample ID: 400-251529-11 DU
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	662084	02/23/24 10:36	HA	EET PEN

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Method Summary

Client: Eagle Environmental Services, Inc.
Project/Site: Big Cajun II LDEQ

Job ID: 400-251529-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8015C	Diesel Range Organics (DRO) (GC)	EPA	EET PEN
300.0	Anions, Ion Chromatography	EPA	EET PEN
6020B	Metals (ICP/MS)	SW846	EET SAV
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

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 PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Eagle Environmental Services, Inc. Job ID: 400-251529-1
Project/Site: Big Cajun II LDEQ

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Louisiana (All)	NELAP	30976	06-30-24

Laboratory: Eurofins Savannah

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

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-24
ANAB	Dept. of Defense ELAP	L2463	09-22-24
Arkansas (DW)	State	GA00006	06-30-24
California	State	2939	06-30-24
Florida	NELAP	E87052	06-30-24
Georgia	State	E87052	06-30-24
Georgia (DW)	State	803	06-30-24
Guam	State	19-007R	04-17-24
Hawaii	State	<cert No.>	06-30-24
Illinois	NELAP	200022	11-30-24
Indiana	State	C-GA-02	06-30-24
Iowa	State	353	07-01-25
Kentucky (UST)	State	NA	06-30-24
Louisiana	NELAP	30690	06-30-24
Louisiana (All)	NELAP	30690	06-30-24
Louisiana (DW)	State	LA009	12-31-24
Maine	State	GA00006	09-25-24
Maryland	State	250	12-31-24
Massachusetts	State	M-GA006	06-30-24
Michigan	State	9925	06-30-24
Mississippi	State	<cert No.>	06-30-24
Nebraska	State	NE-OS-7-04	06-30-24
New Jersey	NELAP	GA769	06-30-24
New Mexico	State	GA00006	06-30-24
North Carolina (DW)	State	13701	07-31-24
North Carolina (WW/SW)	State	269	12-31-24
Pennsylvania	NELAP	68-00474	06-30-24
Puerto Rico	State	GA00006	01-01-25
South Carolina	State	98001	06-30-24
Tennessee	State	TN02961	06-30-24
Texas	NELAP	T1047004185	11-30-24
Texas	TCEQ Water Supply	T104704185	06-30-24
USDA	US Federal Programs	P330-18-00313	09-03-24
Virginia	NELAP	460161	06-14-24
Wyoming	State	8TMS-L	06-30-24

Eurofins TestAmerica, Pensacola
3355 McLemore Drive

Pensacola, FL 32514-7045
phone 850.474.1001 fax 850.474.4789

Chain of Custody Record

eurofins | Environment Testing TestAmerica

400-251529 COC

Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Jared Mayeux	Site Contact: Dustin Duhon	Date:	COC No:
Eagle Environmental Services, Inc.	Email: jared.mayeux@eaglered.com	Lab Contact:	Carrier:	_____ of _____ COCs
18379 Petroleum Dr.	Tel/Fax: (225) 757-0870 / (225) 757-8855			Sampler:
Baton Rouge, LA 70808	Analysis Turnaround Time			For Lab Use Only:
(225) 757-0870 Phone	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(225) 757-8855 FAX	TAT if different from Below _____			Lab Sampling:
Project Name: Big Cajun II LDEQ GW	☑ 2 weeks			
Site: Big Cajun II Power Station	☐ 1 week			Job / SDG No.:
P O #	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TDS, Chloride, Sulfate	Napthalene (8260)	DRO, ORO (8015)	As,Ba,Ca,Cr,Co,Cu,Pb,Ni,Se,V,Zn	Sample Specific Notes:
MW-85A	2/19/24	1000	G	GW	7	N	N	X	X	X	X	
MW-85B	2/20/24	1110	G	GW	7	N	N	X	X	X	X	
MW-85C	2/20/24	1230	G	GW	7	N	N	X	X	X	X	
MW-85D	2/20/24	1400	G	GW	7	N	N	X	X	X	X	
MW-85E	2/19/24	1330	G	GW	7	N	N	X	X	X	X	
MW-10A	2/19/24	955	G	GW	7	N	N	X	X	X	X	
MW-10B	2/20/24	1030	G	GW	7	N	N	X	X	X	X	
MW-10CR1	2/20/24	1146	G	GW	7	N	N	X	X	X	X	
MW-10D	2/20/24	1310	G	GW	7	N	N	X	X	X	X	
MW-10E	2/19/24	1330	G	GW	7	N	N	X	X	X	X	
MW-10F	2/19/24	1246	G	GW	7	N	N	X	X	X	X	
MW-10G	2/19/24	1215	G	GW	7	N	N	X	X	X	X	

Baton Rouge
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Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____			
Relinquished by:	Company: EagL	Date/Time: 2/21/24 1056	Received by: Mari Jerry	Company: EET	Date/Time: 2/22/24 1056
Relinquished by: Mari Jerry	Company: EET	Date/Time: 2/22/24 1600	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: BP	Company:	Date/Time: 2/22/24 841

Form No. CA-C-WI-002, Rev. 4.23, dated 4/16/2019

1.7, 0.1, 0.0, 0.0°C, 12.15 IR8

Eurofins TestAmerica, Pensacola
3355 McLemore Drive

Pensacola, FL 32514-7045
phone 850.474.1001 fax 850.474.4789

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Jared Mayeux	Site Contact: Dustin Duhon	Date:	COC No:
Eagle Environmental Services, Inc.	Email: jared.mayeux@eaglered.com	Lab Contact:	Carrier:	_____ of _____ COCs
18379 Petroleum Dr.	Tel/Fax: (225) 757-0870 / (225) 757-8855			Sampler:
Baton Rouge, LA 70808	**Analysis Turnaround Time**			**For Lab Use Only:**
(225) 757-0870 Phone	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(225) 757-8855 FAX	TAT if different from Below _____			Lab Sampling:
Project Name: Big Cajun II LDEQ GW	☑ 2 weeks			
Site: Big Cajun II Power Station	☐ 1 week			Job / SDG No.:
P O #	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TDS, Chloride, Sulfate	Napthalene (8260)	DRO, ORO (8015)	As,Ba,Ca,Cr,Co,Cu,Pb,Ni,Se,V,Zn	Sample Specific Notes:
MW-10H	2/19/24	1130	G	GW	7	N	N	X	X	X	X	
MW-10I	2/19/24	1045	G	GW	7	N	N	X	X	X	X	
MW-10BG	2/21/24	1000	G	GW	7	N	N	X	X	X	X	
Field Blank	2/19/24	940	G	GW	7	N	N	X	X	X	X	
Duplicate	2/19/24	1000	G	GW	7	N	N	X	X	X	X	
Trip Blank	--	--	G	GW	2	N	N		X			

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Preservation Used: 1= Ice, 2=HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

	Company	Date/Time		Company	Date/Time
Relinquished by:	Eagle	2/21/24 1055	Received by:	EET	2/21/24 1056
Relinquished by:	EET	2/21/24 1600	Received by:		
Relinquished by:			Received in Laboratory by:		

Form No. CA-C-WI-002, Rev. 4.23, dated 4/16/2019

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Klingensmith, Leah	Carrier Tracking No(s):	COC No: 400-346049.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Leah.Klingensmith@et.eurofinsus.com	State of Origin: Louisiana	Page: Page 1 of 2
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note): NELAP - Louisiana (All)		Job #: 400-251529-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 2/28/2024			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Big Cajun II LDEQ	Project #: 40014200			
Site:	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 - Client ID (Lab ID)	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)	Perform MS/MSD (Yes or No)	6020B/3005A (MOD) 6020 Metals (11 Element)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-85A (400-251529-1)	2/19/24	10:00 Central		Water			X	1	Upload Data To J251530-1
MW-85B (400-251529-2)	2/20/24	11:10 Central		Water			X	1	Upload Data To J251530-2
MW-85C (400-251529-3)	2/20/24	12:30 Central		Water			X	1	Upload Data To J251530-3
MW-85D (400-251529-4)	2/20/24	14:00 Central		Water			X	1	Upload Data To J251530-4
MW-85E (400-251529-5)	2/19/24	13:30 Central		Water			X	1	Upload Data To J251530-5
MW-10A (400-251529-6)	2/20/24	08:55 Central		Water			X	1	Upload Data To J251530-6
MW-10B (400-251529-7)	2/20/24	10:30 Central		Water			X	1	Upload Data To J251530-7
MW-10CR1 (400-251529-8)	2/20/24	11:45 Central		Water			X	1	Upload Data To J251530-8
MW-10D (400-251529-9)	2/20/24	13:10 Central		Water			X	1	Upload Data To J251530-9

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2/23/24 1700	ETS			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: C. Munro	Date/Time: 2/24/24 0950	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.1/4.1

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Klingensmith, Leah	Carrier Tracking No(s):	COC No: 400-346049.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Leah.Klingensmith@et.eurofinsus.com	State of Origin: Louisiana	Page: Page 2 of 2
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note): NELAP - Louisiana (All)		Job #: 400-251529-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 2/28/2024			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Big Cajun II LDEQ	Project #: 40014200			
Site:	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 - Client ID (Lab ID)	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)	Perform MS/MSD (Yes or No)	6020B/3005A (MOD) 6020 Metals (11 Element)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-10E (400-251529-10)	2/19/24	13:30 Central		Water			X	1	Upload Data To J251530-10
MW-10F (400-251529-11)	2/19/24	12:45 Central		Water			X	1	Upload Data To J251530-11
MW-10G (400-251529-12)	2/19/24	12:15 Central		Water			X	1	Upload Data To J251530-12
MW-10H (400-251529-13)	2/19/24	11:30 Central		Water			X	1	Upload Data To J251530-13
MW-10I (400-251529-14)	2/19/24	10:42 Central		Water			X	1	Upload Data To J251530-14
MW-10BG (400-251529-15)	2/21/24	10:00 Central		Water			X	1	Upload Data To J251530-15
FIELD BLANK (400-251529-16)	2/19/24	09:40 Central		Water			X	1	Upload Data To J251530-16
DUPLICATE (400-251529-17)	2/19/24	10:00 Central		Water			X	1	Upload Data To J251530-17

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Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 2/23/24 1700	Company EES	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: C. Mmo	Date/Time: 2/24/24 0952	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 14.1/14.1