Luminant

Electric Energy, Inc.
1500 Eastport Plaza Drive
Collinsville, IL 62234

August 22, 2023

Illinois Environmental Protection Agency
DWPC – Permits MC#15
Attn: Part 845 Coal Combustion Residual Rule Submittal
1021 North Grand Avenue East
Springfield, IL 62794

Re: Joppa Power Plant, East Ash Pond; IEPA ID # W1270100004-02

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) Section (§) 845.610(b)(3)(D), Electric Energy Inc. (EEI) is submitting groundwater monitoring data for the Quarter 2 2023 sampling event at the Joppa Power Plant East Ash Pond, identified by Illinois Environmental Protection Agency (IEPA) ID No. W1270100004-02. This data is being submitted and placed in the facility's operating record as required by 35 I.A.C. § 845.800(d)(15) within 60 days of receiving final laboratory analytical data. Results were compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS.

The date of this submittal is considered to be the date that exceedances of the GWPS were detected. This notification of exceedances of the GWPSs in 35 I.A.C. § 845.600 will be placed in the facility's operating record within 30 days as required by 35 I.A.C. § 845.800(d)(16). As allowed in 35 I.A.C. § 845.650(e), an alternate source demonstration (ASD) will be evaluated for the detected exceedances of the GWPS and, if successfully completed, the ASD will be submitted to IEPA within 60 days of this transmittal.

Sincerely,

Dianna Tickner

Dianna Tickner, PE, PMP
Senior Director, Demolition and Decommission

Enclosures

Groundwater Monitoring Data and Detected Exceedances, Quarter 2 2023, East Ash Pond, Joppa Power Plant, Joppa, Illinois

RAMBOLL

ENVIRONMENT
& HEALTH

35 I.A.C. § 845.610(B)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES
QUARTER 2 2023
EAST ASH POND, JOPPA POWER PLANT, JOPPA, ILLINOIS

August 22, 2023

Samples were collected on May 2 and 3, 2023 and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C) Section (§) 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on June 23, 2023.

The monitoring well locations are included in **Figure 1**. **Attachment A** summarizes the groundwater elevation data for the Quarter 2 2023 sampling event. **Table 1** is a summary of the field parameters and analytical results. **Attachment B** contains the associated laboratory analytical reports and field data sheets for the Quarter 2 2023 sampling event.

Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan[1] provided in the operating permit application. In accordance with 35 I.A.C. § 845.610(b)(3)(B), the Quarter 2 2023 groundwater monitoring data were evaluated for statistically significant levels (SSLs) over background levels for the constituents listed in 35 I.A.C. § 845.600. **Attachment C** shows the statistically derived values compared to background levels.

In accordance with 35 I.A.C. § 845.610(b)(3)(C), the statistically derived values identified as Statistical Results in **Table 2** were compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS, as shown in **Table 2**. The date of this submittal is considered to be the date that the exceedances of the GWPS were detected.

As allowed in 35 I.A.C. § 845.650(e), an alternate source demonstration (ASD) will be evaluated for the detected exceedances of the GWPS and, if successfully completed, the ASD will be submitted to IEPA within 60 days of this transmittal.

TABLES

FIGURES

ATTACHMENTS

[1] Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan*. East Ash Pond. Joppa Power Plant. Joppa, Illinois. October 25, 2021.

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G01D	Background	E001	05/02/2023	Antimony, total	0.0009 J	mg/L
G01D	Background	E001	05/02/2023	Arsenic, total	0.0087 U	mg/L
G01D	Background	E001	05/02/2023	Barium, total	0.213	mg/L
G01D	Background	E001	05/02/2023	Beryllium, total	0.0002 J	mg/L
G01D	Background	E001	05/02/2023	Boron, total	0.0210	mg/L
G01D	Background	E001	05/02/2023	Cadmium, total	0.0005 U	mg/L
G01D	Background	E001	05/02/2023	Calcium, total	28.8	mg/L
G01D	Background	E001	05/02/2023	Chloride, total	10.0	mg/L
G01D	Background	E001	05/02/2023	Chromium, total	0.00500	mg/L
G01D	Background	E001	05/02/2023	Cobalt, total	0.00580	mg/L
G01D	Background	E001	05/02/2023	Dissolved Oxygen	8.50	mg/L
G01D	Background	E001	05/02/2023	Fluoride, total	0.220	mg/L
G01D	Background	E001	05/02/2023	Lead, total	0.004 U	mg/L
G01D	Background	E001	05/02/2023	Lithium, total	0.019 U	mg/L
G01D	Background	E001	05/02/2023	Mercury, total	0.00006 U	mg/L
G01D	Background	E001	05/02/2023	Molybdenum, total	0.0037 U	mg/L
G01D	Background	E001	05/02/2023	Oxidation Reduction Potential	145	mV
G01D	Background	E001	05/02/2023	Selenium, total	0.00150	mg/L
G01D	Background	E001	05/02/2023	Specific Conductance @ 25C (field)	682	micromhos/cm
G01D	Background	E001	05/02/2023	Sulfate, total	26.0	mg/L
G01D	Background	E001	05/02/2023	Temperature	15.5	degrees C
G01D	Background	E001	05/02/2023	Thallium, total	0.001 U	mg/L
G01D	Background	E001	05/02/2023	Total Dissolved Solids	336	mg/L
G01D	Background	E001	05/02/2023	Turbidity, field	23.0	NTU
G01D	Background	E001	05/02/2023	pH (field)	6.3	SU
G02D	Background	E001	05/03/2023	Antimony, total	0.0004 U	mg/L
G02D	Background	E001	05/03/2023	Arsenic, total	0.0087 U	mg/L
G02D	Background	E001	05/03/2023	Barium, total	0.210	mg/L
G02D	Background	E001	05/03/2023	Beryllium, total	0.0002 U	mg/L
G02D	Background	E001	05/03/2023	Boron, total	0.0412	mg/L
G02D	Background	E001	05/03/2023	Cadmium, total	0.0005 U	mg/L
G02D	Background	E001	05/03/2023	Calcium, total	38.7	mg/L
G02D	Background	E001	05/03/2023	Chloride, total	21.0	mg/L
G02D	Background	E001	05/03/2023	Chromium, total	0.0028 U	mg/L
G02D	Background	E001	05/03/2023	Cobalt, total	0.0001 U	mg/L
G02D	Background	E001	05/03/2023	Dissolved Oxygen	20.2	mg/L
G02D	Background	E001	05/03/2023	Fluoride, total	0.220	mg/L
G02D	Background	E001	05/03/2023	Lead, total	0.004 U	mg/L
G02D	Background	E001	05/03/2023	Lithium, total	0.019 U	mg/L
G02D	Background	E001	05/03/2023	Mercury, total	0.00006 U	mg/L
G02D	Background	E001	05/03/2023	Molybdenum, total	0.0037 U	mg/L
G02D	Background	E001	05/03/2023	Oxidation Reduction Potential	182	mV
G02D	Background	E001	05/03/2023	Selenium, total	0.00160	mg/L
G02D	Background	E001	05/03/2023	Specific Conductance @ 25C (field)	494	micromhos/cm
G02D	Background	E001	05/03/2023	Sulfate, total	13.0	mg/L
G02D	Background	E001	05/03/2023	Temperature	14.3	degrees C

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G02D	Background	E001	05/03/2023	Thallium, total	0.001 U	mg/L
G02D	Background	E001	05/03/2023	Total Dissolved Solids	230	mg/L
G02D	Background	E001	05/03/2023	Turbidity, field	1.30	NTU
G02D	Background	E001	05/03/2023	pH (field)	6.5	SU
G03	Compliance	E001	05/03/2023	Antimony, total	0.0004 U	mg/L
G03	Compliance	E001	05/03/2023	Arsenic, total	0.0087 U	mg/L
G03	Compliance	E001	05/03/2023	Barium, total	0.100	mg/L
G03	Compliance	E001	05/03/2023	Beryllium, total	0.00100	mg/L
G03	Compliance	E001	05/03/2023	Boron, total	0.380	mg/L
G03	Compliance	E001	05/03/2023	Cadmium, total	0.0005 U	mg/L
G03	Compliance	E001	05/03/2023	Calcium, total	52.6	mg/L
G03	Compliance	E001	05/03/2023	Chloride, total	28.0	mg/L
G03	Compliance	E001	05/03/2023	Chromium, total	0.0235	mg/L
G03	Compliance	E001	05/03/2023	Cobalt, total	0.0146	mg/L
G03	Compliance	E001	05/03/2023	Dissolved Oxygen	37.8	mg/L
G03	Compliance	E001	05/03/2023	Fluoride, total	0.200	mg/L
G03	Compliance	E001	05/03/2023	Lead, total	0.0058 J	mg/L
G03	Compliance	E001	05/03/2023	Lithium, total	0.019 U	mg/L
G03	Compliance	E001	05/03/2023	Mercury, total	0.00006 U	mg/L
G03	Compliance	E001	05/03/2023	Molybdenum, total	0.0037 U	mg/L
G03	Compliance	E001	05/03/2023	Oxidation Reduction Potential	226	mV
G03	Compliance	E001	05/03/2023	Selenium, total	0.0006 U	mg/L
G03	Compliance	E001	05/03/2023	Specific Conductance @ 25C (field)	674	micromhos/cm
G03	Compliance	E001	05/03/2023	Sulfate, total	97.0 J-	mg/L
G03	Compliance	E001	05/03/2023	Temperature	15.3	degrees C
G03	Compliance	E001	05/03/2023	Thallium, total	0.001 U	mg/L
G03	Compliance	E001	05/03/2023	Total Dissolved Solids	350	mg/L
G03	Compliance	E001	05/03/2023	Turbidity, field	130	NTU
G03	Compliance	E001	05/03/2023	pH (field)	6.2	SU
G05	Compliance	E001	05/03/2023	Antimony, total	0.0004 U	mg/L
G05	Compliance	E001	05/03/2023	Arsenic, total	0.0087 U	mg/L
G05	Compliance	E001	05/03/2023	Barium, total	0.212	mg/L
G05	Compliance	E001	05/03/2023	Beryllium, total	0.0002 U	mg/L
G05	Compliance	E001	05/03/2023	Boron, total	0.0478	mg/L
G05	Compliance	E001	05/03/2023	Cadmium, total	0.0005 U	mg/L
G05	Compliance	E001	05/03/2023	Calcium, total	54.4	mg/L
G05	Compliance	E001	05/03/2023	Chloride, total	24.0	mg/L
G05	Compliance	E001	05/03/2023	Chromium, total	0.0028 U	mg/L
G05	Compliance	E001	05/03/2023	Cobalt, total	0.0103	mg/L
G05	Compliance	E001	05/03/2023	Dissolved Oxygen	24.8	mg/L
G05	Compliance	E001	05/03/2023	Fluoride, total	0.380	mg/L
G05	Compliance	E001	05/03/2023	Lead, total	0.004 U	mg/L
G05	Compliance	E001	05/03/2023	Lithium, total	0.019 U	mg/L
G05	Compliance	E001	05/03/2023	Mercury, total	0.00006 U	mg/L
G05	Compliance	E001	05/03/2023	Molybdenum, total	0.0051 J	mg/L
G05	Compliance	E001	05/03/2023	Oxidation Reduction Potential	128	mV

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845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G05	Compliance	E001	05/03/2023	Selenium, total	0.0006 U	mg/L
G05	Compliance	E001	05/03/2023	Specific Conductance @ 25C (field)	754	micromhos/cm
G05	Compliance	E001	05/03/2023	Sulfate, total	112	mg/L
G05	Compliance	E001	05/03/2023	Temperature	17.1	degrees C
G05	Compliance	E001	05/03/2023	Thallium, total	0.001 U	mg/L
G05	Compliance	E001	05/03/2023	Total Dissolved Solids	388	mg/L
G05	Compliance	E001	05/03/2023	Turbidity, field	7.00	NTU
G05	Compliance	E001	05/03/2023	pH (field)	6.5	SU
G06	Compliance	E001	05/03/2023	Antimony, total	0.00150	mg/L
G06	Compliance	E001	05/03/2023	Arsenic, total	0.0087 U	mg/L
G06	Compliance	E001	05/03/2023	Barium, total	0.0454	mg/L
G06	Compliance	E001	05/03/2023	Beryllium, total	0.0003 J	mg/L
G06	Compliance	E001	05/03/2023	Boron, total	3.28	mg/L
G06	Compliance	E001	05/03/2023	Cadmium, total	0.0005 U	mg/L
G06	Compliance	E001	05/03/2023	Calcium, total	92.5	mg/L
G06	Compliance	E001	05/03/2023	Chloride, total	22.0	mg/L
G06	Compliance	E001	05/03/2023	Chromium, total	0.00840	mg/L
G06	Compliance	E001	05/03/2023	Cobalt, total	0.00400	mg/L
G06	Compliance	E001	05/03/2023	Dissolved Oxygen	16.4	mg/L
G06	Compliance	E001	05/03/2023	Fluoride, total	0.260	mg/L
G06	Compliance	E001	05/03/2023	Lead, total	0.004 U	mg/L
G06	Compliance	E001	05/03/2023	Lithium, total	0.0095 U	mg/L
G06	Compliance	E001	05/03/2023	Mercury, total	0.0001 J	mg/L
G06	Compliance	E001	05/03/2023	Molybdenum, total	0.0037 U	mg/L
G06	Compliance	E001	05/03/2023	Oxidation Reduction Potential	141	mV
G06	Compliance	E001	05/03/2023	Selenium, total	0.0006 U	mg/L
G06	Compliance	E001	05/03/2023	Specific Conductance @ 25C (field)	1,010	micromhos/cm
G06	Compliance	E001	05/03/2023	Sulfate, total	208	mg/L
G06	Compliance	E001	05/03/2023	Temperature	15.7	degrees C
G06	Compliance	E001	05/03/2023	Thallium, total	0.001 U	mg/L
G06	Compliance	E001	05/03/2023	Total Dissolved Solids	525	mg/L
G06	Compliance	E001	05/03/2023	Turbidity, field	54.0	NTU
G06	Compliance	E001	05/03/2023	pH (field)	6.6	SU
G07	Compliance	E001	05/03/2023	Antimony, total	0.0006 J	mg/L
G07	Compliance	E001	05/03/2023	Arsenic, total	0.0087 U	mg/L
G07	Compliance	E001	05/03/2023	Barium, total	0.215	mg/L
G07	Compliance	E001	05/03/2023	Beryllium, total	0.00140	mg/L
G07	Compliance	E001	05/03/2023	Boron, total	4.27	mg/L
G07	Compliance	E001	05/03/2023	Cadmium, total	0.0005 U	mg/L
G07	Compliance	E001	05/03/2023	Calcium, total	97.3	mg/L
G07	Compliance	E001	05/03/2023	Chloride, total	22.0	mg/L
G07	Compliance	E001	05/03/2023	Chromium, total	0.0365	mg/L
G07	Compliance	E001	05/03/2023	Cobalt, total	0.00780	mg/L
G07	Compliance	E001	05/03/2023	Dissolved Oxygen	11.4	mg/L
G07	Compliance	E001	05/03/2023	Fluoride, total	0.400	mg/L
G07	Compliance	E001	05/03/2023	Lead, total	0.006 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G07	Compliance	E001	05/03/2023	Lithium, total	0.019 U	mg/L
G07	Compliance	E001	05/03/2023	Mercury, total	0.00006 U	mg/L
G07	Compliance	E001	05/03/2023	Molybdenum, total	0.0037 U	mg/L
G07	Compliance	E001	05/03/2023	Oxidation Reduction Potential	161	mV
G07	Compliance	E001	05/03/2023	Selenium, total	0.0006 U	mg/L
G07	Compliance	E001	05/03/2023	Specific Conductance @ 25C (field)	1,050	micromhos/cm
G07	Compliance	E001	05/03/2023	Sulfate, total	260	mg/L
G07	Compliance	E001	05/03/2023	Temperature	15.6	degrees C
G07	Compliance	E001	05/03/2023	Thallium, total	0.001 U	mg/L
G07	Compliance	E001	05/03/2023	Total Dissolved Solids	590	mg/L
G07	Compliance	E001	05/03/2023	Turbidity, field	170	NTU
G07	Compliance	E001	05/03/2023	pH (field)	6.4	SU
G08	Compliance	E001	05/03/2023	Antimony, total	0.0004 U	mg/L
G08	Compliance	E001	05/03/2023	Arsenic, total	0.0112	mg/L
G08	Compliance	E001	05/03/2023	Barium, total	0.0974	mg/L
G08	Compliance	E001	05/03/2023	Beryllium, total	0.000500	mg/L
G08	Compliance	E001	05/03/2023	Boron, total	5.43	mg/L
G08	Compliance	E001	05/03/2023	Cadmium, total	0.0005 U	mg/L
G08	Compliance	E001	05/03/2023	Calcium, total	140	mg/L
G08	Compliance	E001	05/03/2023	Chloride, total	16.0	mg/L
G08	Compliance	E001	05/03/2023	Chromium, total	0.00930	mg/L
G08	Compliance	E001	05/03/2023	Cobalt, total	0.0113	mg/L
G08	Compliance	E001	05/03/2023	Dissolved Oxygen	35.4	mg/L
G08	Compliance	E001	05/03/2023	Fluoride, total	0.290	mg/L
G08	Compliance	E001	05/03/2023	Lead, total	0.004 U	mg/L
G08	Compliance	E001	05/03/2023	Lithium, total	0.019 U	mg/L
G08	Compliance	E001	05/03/2023	Mercury, total	0.00006 U	mg/L
G08	Compliance	E001	05/03/2023	Molybdenum, total	0.0037 U	mg/L
G08	Compliance	E001	05/03/2023	Oxidation Reduction Potential	130	mV
G08	Compliance	E001	05/03/2023	Selenium, total	0.0006 U	mg/L
G08	Compliance	E001	05/03/2023	Specific Conductance @ 25C (field)	1,230	micromhos/cm
G08	Compliance	E001	05/03/2023	Sulfate, total	363	mg/L
G08	Compliance	E001	05/03/2023	Temperature	17.3	degrees C
G08	Compliance	E001	05/03/2023	Thallium, total	0.0013 J	mg/L
G08	Compliance	E001	05/03/2023	Total Dissolved Solids	714	mg/L
G08	Compliance	E001	05/03/2023	Turbidity, field	36.0	NTU
G08	Compliance	E001	05/03/2023	pH (field)	6.9	SU
G09	Compliance	E001	05/03/2023	Antimony, total	0.00370	mg/L
G09	Compliance	E001	05/03/2023	Arsenic, total	0.0091 J	mg/L
G09	Compliance	E001	05/03/2023	Barium, total	0.0560	mg/L
G09	Compliance	E001	05/03/2023	Beryllium, total	0.000800	mg/L
G09	Compliance	E001	05/03/2023	Boron, total	3.87	mg/L
G09	Compliance	E001	05/03/2023	Cadmium, total	0.0005 U	mg/L
G09	Compliance	E001	05/03/2023	Calcium, total	67.2	mg/L
G09	Compliance	E001	05/03/2023	Chloride, total	20.0	mg/L
G09	Compliance	E001	05/03/2023	Chromium, total	0.00840	mg/L

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845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G09	Compliance	E001	05/03/2023	Cobalt, total	0.00710	mg/L
G09	Compliance	E001	05/03/2023	Dissolved Oxygen	9.10	mg/L
G09	Compliance	E001	05/03/2023	Fluoride, total	0.340	mg/L
G09	Compliance	E001	05/03/2023	Lead, total	0.004 U	mg/L
G09	Compliance	E001	05/03/2023	Lithium, total	0.019 U	mg/L
G09	Compliance	E001	05/03/2023	Mercury, total	0.00006 U	mg/L
G09	Compliance	E001	05/03/2023	Molybdenum, total	0.0037 U	mg/L
G09	Compliance	E001	05/03/2023	Oxidation Reduction Potential	13.0	mV
G09	Compliance	E001	05/03/2023	Selenium, total	0.0006 U	mg/L
G09	Compliance	E001	05/03/2023	Specific Conductance @ 25C (field)	946	micromhos/cm
G09	Compliance	E001	05/03/2023	Sulfate, total	241	mg/L
G09	Compliance	E001	05/03/2023	Temperature	16.9	degrees C
G09	Compliance	E001	05/03/2023	Thallium, total	0.001 U	mg/L
G09	Compliance	E001	05/03/2023	Total Dissolved Solids	534 J	mg/L
G09	Compliance	E001	05/03/2023	Turbidity, field	58.0	NTU
G09	Compliance	E001	05/03/2023	pH (field)	6.4	SU
G10	Compliance	E001	05/03/2023	Antimony, total	0.0004 U	mg/L
G10	Compliance	E001	05/03/2023	Arsenic, total	0.0087 U	mg/L
G10	Compliance	E001	05/03/2023	Barium, total	0.0624	mg/L
G10	Compliance	E001	05/03/2023	Beryllium, total	0.000700	mg/L
G10	Compliance	E001	05/03/2023	Boron, total	3.08	mg/L
G10	Compliance	E001	05/03/2023	Cadmium, total	0.0005 U	mg/L
G10	Compliance	E001	05/03/2023	Calcium, total	124	mg/L
G10	Compliance	E001	05/03/2023	Chloride, total	27.0	mg/L
G10	Compliance	E001	05/03/2023	Chromium, total	0.0158	mg/L
G10	Compliance	E001	05/03/2023	Cobalt, total	0.00580	mg/L
G10	Compliance	E001	05/03/2023	Dissolved Oxygen	28.0	mg/L
G10	Compliance	E001	05/03/2023	Fluoride, total	0.300	mg/L
G10	Compliance	E001	05/03/2023	Lead, total	0.004 U	mg/L
G10	Compliance	E001	05/03/2023	Lithium, total	0.019 U	mg/L
G10	Compliance	E001	05/03/2023	Mercury, total	0.00006 U	mg/L
G10	Compliance	E001	05/03/2023	Molybdenum, total	0.0037 U	mg/L
G10	Compliance	E001	05/03/2023	Oxidation Reduction Potential	135	mV
G10	Compliance	E001	05/03/2023	Selenium, total	0.0006 U	mg/L
G10	Compliance	E001	05/03/2023	Specific Conductance @ 25C (field)	1,450	micromhos/cm
G10	Compliance	E001	05/03/2023	Sulfate, total	365	mg/L
G10	Compliance	E001	05/03/2023	Temperature	17.1	degrees C
G10	Compliance	E001	05/03/2023	Thallium, total	0.001 U	mg/L
G10	Compliance	E001	05/03/2023	Total Dissolved Solids	760	mg/L
G10	Compliance	E001	05/03/2023	Turbidity, field	59.0	NTU
G10	Compliance	E001	05/03/2023	pH (field)	6.6	SU
G11	Compliance	E001	05/03/2023	Antimony, total	0.0004 U	mg/L
G11	Compliance	E001	05/03/2023	Arsenic, total	0.0087 U	mg/L
G11	Compliance	E001	05/03/2023	Barium, total	0.0770	mg/L
G11	Compliance	E001	05/03/2023	Beryllium, total	0.000500	mg/L
G11	Compliance	E001	05/03/2023	Boron, total	0.373	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G11	Compliance	E001	05/03/2023	Cadmium, total	0.0005 U	mg/L
G11	Compliance	E001	05/03/2023	Calcium, total	122	mg/L
G11	Compliance	E001	05/03/2023	Chloride, total	37.0	mg/L
G11	Compliance	E001	05/03/2023	Chromium, total	0.00630	mg/L
G11	Compliance	E001	05/03/2023	Cobalt, total	0.0185	mg/L
G11	Compliance	E001	05/03/2023	Dissolved Oxygen	16.3	mg/L
G11	Compliance	E001	05/03/2023	Fluoride, total	0.200	mg/L
G11	Compliance	E001	05/03/2023	Lead, total	0.004 U	mg/L
G11	Compliance	E001	05/03/2023	Lithium, total	0.019 U	mg/L
G11	Compliance	E001	05/03/2023	Mercury, total	0.00006 U	mg/L
G11	Compliance	E001	05/03/2023	Molybdenum, total	0.0037 U	mg/L
G11	Compliance	E001	05/03/2023	Oxidation Reduction Potential	207	mV
G11	Compliance	E001	05/03/2023	Selenium, total	0.00980	mg/L
G11	Compliance	E001	05/03/2023	Specific Conductance @ 25C (field)	1,520	micromhos/cm
G11	Compliance	E001	05/03/2023	Sulfate, total	416	mg/L
G11	Compliance	E001	05/03/2023	Temperature	16.5	degrees C
G11	Compliance	E001	05/03/2023	Thallium, total	0.001 U	mg/L
G11	Compliance	E001	05/03/2023	Total Dissolved Solids	808	mg/L
G11	Compliance	E001	05/03/2023	Turbidity, field	21.0	NTU
G11	Compliance	E001	05/03/2023	pH (field)	5.8	SU
G51D	Compliance	E001	05/03/2023	Antimony, total	0.0005 J	mg/L
G51D	Compliance	E001	05/03/2023	Arsenic, total	0.0087 U	mg/L
G51D	Compliance	E001	05/03/2023	Barium, total	0.273	mg/L
G51D	Compliance	E001	05/03/2023	Beryllium, total	0.0002 U	mg/L
G51D	Compliance	E001	05/03/2023	Boron, total	0.0297	mg/L
G51D	Compliance	E001	05/03/2023	Cadmium, total	0.0005 U	mg/L
G51D	Compliance	E001	05/03/2023	Calcium, total	48.2	mg/L
G51D	Compliance	E001	05/03/2023	Chloride, total	11.0	mg/L
G51D	Compliance	E001	05/03/2023	Chromium, total	0.0028 U	mg/L
G51D	Compliance	E001	05/03/2023	Cobalt, total	0.00930	mg/L
G51D	Compliance	E001	05/03/2023	Dissolved Oxygen	18.3	mg/L
G51D	Compliance	E001	05/03/2023	Fluoride, total	0.270	mg/L
G51D	Compliance	E001	05/03/2023	Lead, total	0.004 U	mg/L
G51D	Compliance	E001	05/03/2023	Lithium, total	0.019 U	mg/L
G51D	Compliance	E001	05/03/2023	Mercury, total	0.00006 U	mg/L
G51D	Compliance	E001	05/03/2023	Molybdenum, total	0.0037 U	mg/L
G51D	Compliance	E001	05/03/2023	Oxidation Reduction Potential	214	mV
G51D	Compliance	E001	05/03/2023	Selenium, total	0.0006 U	mg/L
G51D	Compliance	E001	05/03/2023	Specific Conductance @ 25C (field)	514	micromhos/cm
G51D	Compliance	E001	05/03/2023	Sulfate, total	59.0	mg/L
G51D	Compliance	E001	05/03/2023	Temperature	16.3	degrees C
G51D	Compliance	E001	05/03/2023	Thallium, total	0.001 U	mg/L
G51D	Compliance	E001	05/03/2023	Total Dissolved Solids	310	mg/L
G51D	Compliance	E001	05/03/2023	Turbidity, field	31.0	NTU
G51D	Compliance	E001	05/03/2023	pH (field)	5.6	SU
G52D	Compliance	E001	05/03/2023	Antimony, total	0.0004 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G52D	Compliance	E001	05/03/2023	Arsenic, total	0.0087 U	mg/L
G52D	Compliance	E001	05/03/2023	Barium, total	0.0461	mg/L
G52D	Compliance	E001	05/03/2023	Beryllium, total	0.0002 U	mg/L
G52D	Compliance	E001	05/03/2023	Boron, total	0.682	mg/L
G52D	Compliance	E001	05/03/2023	Cadmium, total	0.0005 U	mg/L
G52D	Compliance	E001	05/03/2023	Calcium, total	28.8	mg/L
G52D	Compliance	E001	05/03/2023	Chloride, total	5.00	mg/L
G52D	Compliance	E001	05/03/2023	Chromium, total	0.0028 U	mg/L
G52D	Compliance	E001	05/03/2023	Cobalt, total	0.00240	mg/L
G52D	Compliance	E001	05/03/2023	Dissolved Oxygen	13.9	mg/L
G52D	Compliance	E001	05/03/2023	Fluoride, total	0.100 J	mg/L
G52D	Compliance	E001	05/03/2023	Lead, total	0.004 U	mg/L
G52D	Compliance	E001	05/03/2023	Lithium, total	0.0019 U	mg/L
G52D	Compliance	E001	05/03/2023	Mercury, total	0.00006 U	mg/L
G52D	Compliance	E001	05/03/2023	Molybdenum, total	0.0037 U	mg/L
G52D	Compliance	E001	05/03/2023	Oxidation Reduction Potential	68.0	mV
G52D	Compliance	E001	05/03/2023	Selenium, total	0.00750	mg/L
G52D	Compliance	E001	05/03/2023	Specific Conductance @ 25C (field)	572	micromhos/cm
G52D	Compliance	E001	05/03/2023	Sulfate, total	129	mg/L
G52D	Compliance	E001	05/03/2023	Temperature	16.7	degrees C
G52D	Compliance	E001	05/03/2023	Thallium, total	0.001 U	mg/L
G52D	Compliance	E001	05/03/2023	Total Dissolved Solids	296	mg/L
G52D	Compliance	E001	05/03/2023	Turbidity, field	1 U	NTU
G52D	Compliance	E001	05/03/2023	pH (field)	6.3	SU
G53D	Compliance	E001	05/03/2023	Antimony, total	0.0004 U	mg/L
G53D	Compliance	E001	05/03/2023	Arsenic, total	0.0087 U	mg/L
G53D	Compliance	E001	05/03/2023	Barium, total	0.102	mg/L
G53D	Compliance	E001	05/03/2023	Beryllium, total	0.0002 U	mg/L
G53D	Compliance	E001	05/03/2023	Boron, total	0.367	mg/L
G53D	Compliance	E001	05/03/2023	Cadmium, total	0.0005 U	mg/L
G53D	Compliance	E001	05/03/2023	Calcium, total	34.3	mg/L
G53D	Compliance	E001	05/03/2023	Chloride, total	18.0	mg/L
G53D	Compliance	E001	05/03/2023	Chromium, total	0.0028 U	mg/L
G53D	Compliance	E001	05/03/2023	Cobalt, total	0.00180	mg/L
G53D	Compliance	E001	05/03/2023	Dissolved Oxygen	8.60	mg/L
G53D	Compliance	E001	05/03/2023	Fluoride, total	0.710	mg/L
G53D	Compliance	E001	05/03/2023	Lead, total	0.004 U	mg/L
G53D	Compliance	E001	05/03/2023	Lithium, total	0.0019 U	mg/L
G53D	Compliance	E001	05/03/2023	Mercury, total	0.00006 U	mg/L
G53D	Compliance	E001	05/03/2023	Molybdenum, total	0.0037 U	mg/L
G53D	Compliance	E001	05/03/2023	Oxidation Reduction Potential	137	mV
G53D	Compliance	E001	05/03/2023	Selenium, total	0.0006 U	mg/L
G53D	Compliance	E001	05/03/2023	Specific Conductance @ 25C (field)	645	micromhos/cm
G53D	Compliance	E001	05/03/2023	Sulfate, total	68.0	mg/L
G53D	Compliance	E001	05/03/2023	Temperature	16.7	degrees C
G53D	Compliance	E001	05/03/2023	Thallium, total	0.001 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G53D	Compliance	E001	05/03/2023	Total Dissolved Solids	314	mg/L
G53D	Compliance	E001	05/03/2023	Turbidity, field	1 U	NTU
G53D	Compliance	E001	05/03/2023	pH (field)	6.5	SU
G54D	Compliance	E001	05/03/2023	Antimony, total	0.0004 U	mg/L
G54D	Compliance	E001	05/03/2023	Arsenic, total	0.0087 U	mg/L
G54D	Compliance	E001	05/03/2023	Barium, total	0.0794	mg/L
G54D	Compliance	E001	05/03/2023	Beryllium, total	0.0002 U	mg/L
G54D	Compliance	E001	05/03/2023	Boron, total	0.555	mg/L
G54D	Compliance	E001	05/03/2023	Cadmium, total	0.0005 U	mg/L
G54D	Compliance	E001	05/03/2023	Calcium, total	81.5	mg/L
G54D	Compliance	E001	05/03/2023	Chloride, total	22.0	mg/L
G54D	Compliance	E001	05/03/2023	Chromium, total	0.0028 U	mg/L
G54D	Compliance	E001	05/03/2023	Cobalt, total	0.0106	mg/L
G54D	Compliance	E001	05/03/2023	Dissolved Oxygen	17.2	mg/L
G54D	Compliance	E001	05/03/2023	Fluoride, total	0.300	mg/L
G54D	Compliance	E001	05/03/2023	Lead, total	0.004 U	mg/L
G54D	Compliance	E001	05/03/2023	Lithium, total	0.0019 U	mg/L
G54D	Compliance	E001	05/03/2023	Mercury, total	0.00006 U	mg/L
G54D	Compliance	E001	05/03/2023	Molybdenum, total	0.0037 U	mg/L
G54D	Compliance	E001	05/03/2023	Oxidation Reduction Potential	42.0	mV
G54D	Compliance	E001	05/03/2023	Selenium, total	0.0006 U	mg/L
G54D	Compliance	E001	05/03/2023	Specific Conductance @ 25C (field)	1,030	micromhos/cm
G54D	Compliance	E001	05/03/2023	Sulfate, total	194	mg/L
G54D	Compliance	E001	05/03/2023	Temperature	16.4	degrees C
G54D	Compliance	E001	05/03/2023	Thallium, total	0.001 U	mg/L
G54D	Compliance	E001	05/03/2023	Total Dissolved Solids	544	mg/L
G54D	Compliance	E001	05/03/2023	Turbidity, field	4.10	NTU
G54D	Compliance	E001	05/03/2023	pH (field)	6.8	SU

Notes:
C = Celsius
cm = centimeter
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J- = The result is an estimated quantity, but the result may be biased low.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Exceedance Type
G03	UA	E001	Antimony, total	mg/L	03/05/21 - 05/03/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G03	UA	E001	Arsenic, total	mg/L	03/05/21 - 05/03/23	11	36	CI around geomean	0.00113	0.01	Standard	No Exceedance
G03	UA	E001	Barium, total	mg/L	03/05/21 - 05/03/23	11	0	CI around mean	0.0572	2	Standard	No Exceedance
G03	UA	E001	Beryllium, total	mg/L	03/05/21 - 05/03/23	11	91	CI around median	0.001	0.004	Standard	No Exceedance
G03	UA	E001	Boron, total	mg/L	03/05/21 - 05/03/23	11	0	CI around mean	0.224	2	Standard	No Exceedance
G03	UA	E001	Cadmium, total	mg/L	03/05/21 - 05/03/23	11	100	All ND - Last	0.002	0.005	Standard	No Exceedance
G03	UA	E001	Chloride, total	mg/L	03/05/21 - 05/03/23	11	0	CI around mean	20.9	200	Standard	No Exceedance
G03	UA	E001	Chromium, total	mg/L	03/05/21 - 05/03/23	11	9	CI around mean	0.00303	0.1	Standard	No Exceedance
G03	UA	E001	Cobalt, total	mg/L	03/05/21 - 05/03/23	11	27	CI around geomean	0.00141	0.006	Standard	No Exceedance
G03	UA	E001	Fluoride, total	mg/L	03/05/21 - 05/03/23	11	0	CI around mean	0.189	4	Standard	No Exceedance
G03	UA	E001	Lead, total	mg/L	03/05/21 - 05/03/23	11	27	CI around geomean	0.00117	0.0075	Standard	No Exceedance
G03	UA	E001	Lithium, total	mg/L	03/05/21 - 05/03/23	11	64	CI around median	0.003	0.04	Standard	No Exceedance
G03	UA	E001	Mercury, total	mg/L	03/05/21 - 05/03/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G03	UA	E001	Molybdenum, total	mg/L	03/05/21 - 05/03/23	11	82	CI around median	0.0015	0.1	Standard	No Exceedance
G03	UA	E001	Selenium, total	mg/L	03/05/21 - 05/03/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G03	UA	E001	Sulfate, total	mg/L	03/05/21 - 05/03/23	11	0	CI around mean	72.3	400	Standard	No Exceedance
G03	UA	E001	Thallium, total	mg/L	03/05/21 - 05/03/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G03	UA	E001	Total Dissolved Solids	mg/L	03/05/21 - 05/03/23	11	0	CI around geomean	286	1,200	Standard	No Exceedance
G03	UA	E001	pH (field)	SU	03/05/21 - 05/03/23	11	0	CI around mean	6.2/6.4	6/9	Background/Standard	No Exceedance
G05	UA	E001	Antimony, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G05	UA	E001	Arsenic, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.01	0.01	Standard	No Exceedance
G05	UA	E001	Barium, total	mg/L	03/04/21 - 05/03/23	11	0	CB around linear reg	0.161	2	Standard	No Exceedance
G05	UA	E001	Beryllium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
G05	UA	E001	Boron, total	mg/L	03/04/21 - 05/03/23	11	0	CB around linear reg	0.000444	2	Standard	No Exceedance
G05	UA	E001	Cadmium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.005	Standard	No Exceedance
G05	UA	E001	Chloride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	16.2	200	Standard	No Exceedance
G05	UA	E001	Chromium, total	mg/L	03/04/21 - 05/03/23	11	82	CI around median	0.0015	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Exceedance Type
G05	UA	E001	Cobalt, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.007	0.006	Standard	Determined
G05	UA	E001	Fluoride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.312	4	Standard	No Exceedance
G05	UA	E001	Lead, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
G05	UA	E001	Lithium, total	mg/L	03/04/21 - 05/03/23	11	82	CI around median	0.003	0.04	Standard	No Exceedance
G05	UA	E001	Mercury, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G05	UA	E001	Molybdenum, total	mg/L	03/04/21 - 05/03/23	11	9	CI around mean	0.00402	0.1	Standard	No Exceedance
G05	UA	E001	Selenium, total	mg/L	03/04/21 - 05/03/23	11	27	CB around linear reg	-0.000273	0.05	Standard	No Exceedance
G05	UA	E001	Sulfate, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	82.1	400	Standard	No Exceedance
G05	UA	E001	Thallium, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.002	0.002	Standard	No Exceedance
G05	UA	E001	Total Dissolved Solids	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	351	1,200	Standard	No Exceedance
G05	UA	E001	pH (field)	SU	03/04/21 - 05/03/23	11	0	CI around mean	6.4/6.5	6/9	Background/Standard	No Exceedance
G06	UA	E001	Antimony, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.001	0.006	Standard	No Exceedance
G06	UA	E001	Arsenic, total	mg/L	03/04/21 - 05/03/23	11	64	CI around median	0.001	0.01	Standard	No Exceedance
G06	UA	E001	Barium, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.0273	2	Standard	No Exceedance
G06	UA	E001	Beryllium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
G06	UA	E001	Boron, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	3.05	2	Standard	Determined
G06	UA	E001	Cadmium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.005	Standard	No Exceedance
G06	UA	E001	Chloride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around median	21	200	Standard	No Exceedance
G06	UA	E001	Chromium, total	mg/L	03/04/21 - 05/03/23	11	36	CI around mean	0.00119	0.1	Standard	No Exceedance
G06	UA	E001	Cobalt, total	mg/L	03/04/21 - 05/03/23	11	54	CI around median	0.001	0.006	Standard	No Exceedance
G06	UA	E001	Fluoride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.252	4	Standard	No Exceedance
G06	UA	E001	Lead, total	mg/L	03/04/21 - 05/03/23	11	82	CI around median	0.001	0.0075	Standard	No Exceedance
G06	UA	E001	Lithium, total	mg/L	03/04/21 - 05/03/23	11	27	CI around median	0.0031	0.04	Standard	No Exceedance
G06	UA	E001	Mercury, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G06	UA	E001	Molybdenum, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.01	0.1	Standard	No Exceedance
G06	UA	E001	Selenium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G06	UA	E001	Sulfate, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	212	400	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Exceedance Type
G06	UA	E001	Thallium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G06	UA	E001	Total Dissolved Solids	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	511	1,200	Standard	No Exceedance
G06	UA	E001	pH (field)	SU	03/04/21 - 05/03/23	10	0	CI around mean	6.4/6.6	6/9	Background/Standard	No Exceedance
G07	UA	E001	Antimony, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G07	UA	E001	Arsenic, total	mg/L	03/04/21 - 05/03/23	11	73	CI around median	0.001	0.01	Standard	No Exceedance
G07	UA	E001	Barium, total	mg/L	03/04/21 - 05/03/23	11	0	CI around geomean	0.0426	2	Standard	No Exceedance
G07	UA	E001	Beryllium, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.001	0.004	Standard	No Exceedance
G07	UA	E001	Boron, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	4.26	2	Standard	Determined
G07	UA	E001	Cadmium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.005	Standard	No Exceedance
G07	UA	E001	Chloride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	20.1	200	Standard	No Exceedance
G07	UA	E001	Chromium, total	mg/L	03/04/21 - 05/03/23	11	36	CI around geomean	0.00187	0.1	Standard	No Exceedance
G07	UA	E001	Cobalt, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.00142	0.006	Standard	No Exceedance
G07	UA	E001	Fluoride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around median	0.35	4	Standard	No Exceedance
G07	UA	E001	Lead, total	mg/L	03/04/21 - 05/03/23	11	73	CI around median	0.001	0.0075	Standard	No Exceedance
G07	UA	E001	Lithium, total	mg/L	03/04/21 - 05/03/23	11	64	CI around median	0.003	0.04	Standard	No Exceedance
G07	UA	E001	Mercury, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G07	UA	E001	Molybdenum, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.0015	0.1	Standard	No Exceedance
G07	UA	E001	Selenium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G07	UA	E001	Sulfate, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	247	400	Standard	No Exceedance
G07	UA	E001	Thallium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G07	UA	E001	Total Dissolved Solids	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	568	1,200	Standard	No Exceedance
G07	UA	E001	pH (field)	SU	03/04/21 - 05/03/23	11	0	CI around mean	6.1/6.6	6/9	Background/Standard	No Exceedance
G08	UA	E001	Antimony, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G08	UA	E001	Arsenic, total	mg/L	03/04/21 - 05/03/23	11	9	CI around mean	0.00569	0.01	Standard	No Exceedance
G08	UA	E001	Barium, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.0467	2	Standard	No Exceedance
G08	UA	E001	Beryllium, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.001	0.004	Standard	No Exceedance
G08	UA	E001	Boron, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	4.08	2	Standard	Determined

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Exceedance Type
G08	UA	E001	Cadmium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.005	Standard	No Exceedance
G08	UA	E001	Chloride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around median	14	200	Standard	No Exceedance
G08	UA	E001	Chromium, total	mg/L	03/04/21 - 05/03/23	11	18	CI around geomean	0.00164	0.1	Standard	No Exceedance
G08	UA	E001	Cobalt, total	mg/L	03/04/21 - 05/03/23	11	9	CI around mean	0.00287	0.006	Standard	No Exceedance
G08	UA	E001	Fluoride, total	mg/L	03/04/21 - 05/03/23	11	0	CB around linear reg	0.195	4	Standard	No Exceedance
G08	UA	E001	Lead, total	mg/L	03/04/21 - 05/03/23	11	82	CI around median	0.001	0.0075	Standard	No Exceedance
G08	UA	E001	Lithium, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.003	0.04	Standard	No Exceedance
G08	UA	E001	Mercury, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G08	UA	E001	Molybdenum, total	mg/L	03/04/21 - 05/03/23	11	18	CI around median	0.0017	0.1	Standard	No Exceedance
G08	UA	E001	Selenium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G08	UA	E001	Sulfate, total	mg/L	03/04/21 - 05/03/23	11	0	CI around geomean	211	400	Standard	No Exceedance
G08	UA	E001	Thallium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G08	UA	E001	Total Dissolved Solids	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	541	1,200	Standard	No Exceedance
G08	UA	E001	pH (field)	SU	03/04/21 - 05/03/23	11	0	CI around median	6.8/7.0	6/9	Background/Standard	No Exceedance
G09	UA	E001	Antimony, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.001	0.006	Standard	No Exceedance
G09	UA	E001	Arsenic, total	mg/L	03/04/21 - 05/03/23	11	18	CI around mean	0.00215	0.01	Standard	No Exceedance
G09	UA	E001	Barium, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.0371	2	Standard	No Exceedance
G09	UA	E001	Beryllium, total	mg/L	03/04/21 - 05/03/23	11	73	CI around median	0.001	0.004	Standard	No Exceedance
G09	UA	E001	Boron, total	mg/L	03/04/21 - 05/03/23	11	0	CI around median	3.15	2	Standard	Determined
G09	UA	E001	Cadmium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.005	Standard	No Exceedance
G09	UA	E001	Chloride, total	mg/L	03/04/21 - 05/03/23	11	0	CB around linear reg	14.6	200	Standard	No Exceedance
G09	UA	E001	Chromium, total	mg/L	03/04/21 - 05/03/23	11	27	CI around mean	0.00177	0.1	Standard	No Exceedance
G09	UA	E001	Cobalt, total	mg/L	03/04/21 - 05/03/23	11	0	CB around linear reg	-0.00203	0.006	Standard	No Exceedance
G09	UA	E001	Fluoride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.275	4	Standard	No Exceedance
G09	UA	E001	Lead, total	mg/L	03/04/21 - 05/03/23	11	64	CI around median	0.001	0.0075	Standard	No Exceedance
G09	UA	E001	Lithium, total	mg/L	03/04/21 - 05/03/23	11	18	CI around median	0.0034	0.04	Standard	No Exceedance
G09	UA	E001	Mercury, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Exceedance Type
G09	UA	E001	Molybdenum, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.01	0.1	Standard	No Exceedance
G09	UA	E001	Selenium, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.001	0.05	Standard	No Exceedance
G09	UA	E001	Sulfate, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	267	400	Standard	No Exceedance
G09	UA	E001	Thallium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G09	UA	E001	Total Dissolved Solids	mg/L	03/04/21 - 05/03/23	11	0	CB around linear reg	477	1,200	Standard	No Exceedance
G09	UA	E001	pH (field)	SU	03/04/21 - 05/03/23	11	0	CI around median	6.0/6.4	6/9	Background/Standard	No Exceedance
G10	UA	E001	Antimony, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G10	UA	E001	Arsenic, total	mg/L	03/04/21 - 05/03/23	11	36	CI around median	0.001	0.01	Standard	No Exceedance
G10	UA	E001	Barium, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.0401	2	Standard	No Exceedance
G10	UA	E001	Beryllium, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.001	0.004	Standard	No Exceedance
G10	UA	E001	Boron, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	3.65	2	Standard	Determined
G10	UA	E001	Cadmium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.005	Standard	No Exceedance
G10	UA	E001	Chloride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	26	200	Standard	No Exceedance
G10	UA	E001	Chromium, total	mg/L	03/04/21 - 05/03/23	11	27	CI around mean	0.00138	0.1	Standard	No Exceedance
G10	UA	E001	Cobalt, total	mg/L	03/04/21 - 05/03/23	11	0	CB around linear reg	-0.00146	0.006	Standard	No Exceedance
G10	UA	E001	Fluoride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.275	4	Standard	No Exceedance
G10	UA	E001	Lead, total	mg/L	03/04/21 - 05/03/23	11	82	CI around median	0.001	0.0075	Standard	No Exceedance
G10	UA	E001	Lithium, total	mg/L	03/04/21 - 05/03/23	11	46	CI around median	0.003	0.04	Standard	No Exceedance
G10	UA	E001	Mercury, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G10	UA	E001	Molybdenum, total	mg/L	03/04/21 - 05/03/23	11	64	CI around median	0.0015	0.1	Standard	No Exceedance
G10	UA	E001	Selenium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G10	UA	E001	Sulfate, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	375	400	Standard	No Exceedance
G10	UA	E001	Thallium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G10	UA	E001	Total Dissolved Solids	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	753	1,200	Standard	No Exceedance
G10	UA	E001	pH (field)	SU	03/04/21 - 05/03/23	11	0	CI around mean	6.5/6.7	6/9	Background/Standard	No Exceedance
G11	UA	E001	Antimony, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G11	UA	E001	Arsenic, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.01	0.01	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Exceedance Type
G11	UA	E001	Barium, total	mg/L	03/04/21 - 05/03/23	11	0	CI around geomean	0.0122	2	Standard	No Exceedance
G11	UA	E001	Beryllium, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.001	0.004	Standard	No Exceedance
G11	UA	E001	Boron, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.286	2	Standard	No Exceedance
G11	UA	E001	Cadmium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.005	Standard	No Exceedance
G11	UA	E001	Chloride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	33.6	200	Standard	No Exceedance
G11	UA	E001	Chromium, total	mg/L	03/04/21 - 05/03/23	11	82	CI around median	0.0015	0.1	Standard	No Exceedance
G11	UA	E001	Cobalt, total	mg/L	03/04/21 - 05/03/23	11	27	CI around geomean	0.000965	0.006	Standard	No Exceedance
G11	UA	E001	Fluoride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.174	4	Standard	No Exceedance
G11	UA	E001	Lead, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
G11	UA	E001	Lithium, total	mg/L	03/04/21 - 05/03/23	11	18	CI around median	0.0036	0.04	Standard	No Exceedance
G11	UA	E001	Mercury, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G11	UA	E001	Molybdenum, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.0015	0.1	Standard	No Exceedance
G11	UA	E001	Selenium, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.00444	0.05	Standard	No Exceedance
G11	UA	E001	Sulfate, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	392	400	Standard	No Exceedance
G11	UA	E001	Thallium, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.002	0.002	Standard	No Exceedance
G11	UA	E001	Total Dissolved Solids	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	755	1,200	Standard	No Exceedance
G11	UA	E001	pH (field)	SU	03/04/21 - 05/03/23	11	0	CI around median	5.8/5.9	6/9	Background/Standard	Determined
G51D	UA	E001	Antimony, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G51D	UA	E001	Arsenic, total	mg/L	12/03/15 - 05/03/23	21	100	All ND - Last	0.01	0.01	Standard	No Exceedance
G51D	UA	E001	Barium, total	mg/L	12/03/15 - 05/03/23	21	0	CI around median	0.0417	2	Standard	No Exceedance
G51D	UA	E001	Beryllium, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
G51D	UA	E001	Boron, total	mg/L	12/03/15 - 05/03/23	22	0	CB around T-S line	0.465	2	Standard	No Exceedance
G51D	UA	E001	Cadmium, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.002	0.005	Standard	No Exceedance
G51D	UA	E001	Chloride, total	mg/L	12/03/15 - 05/03/23	22	0	CB around T-S line	2.81	200	Standard	No Exceedance
G51D	UA	E001	Chromium, total	mg/L	12/03/15 - 05/03/23	21	76	CB around T-S line	0.00144	0.1	Standard	No Exceedance
G51D	UA	E001	Cobalt, total	mg/L	12/03/15 - 05/03/23	21	10	CB around T-S line	-0.0129	0.006	Standard	No Exceedance
G51D	UA	E001	Fluoride, total	mg/L	12/03/15 - 05/03/23	22	86	CI around median	0.1	4	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Exceedance Type
G51D	UA	E001	Lead, total	mg/L	12/03/15 - 05/03/23	21	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
G51D	UA	E001	Lithium, total	mg/L	12/03/15 - 05/03/23	21	5	CB around T-S line	0.00567	0.04	Standard	No Exceedance
G51D	UA	E001	Mercury, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G51D	UA	E001	Molybdenum, total	mg/L	12/03/15 - 05/03/23	17	100	All ND - Last	0.01	0.1	Standard	No Exceedance
G51D	UA	E001	Selenium, total	mg/L	12/03/15 - 05/03/23	21	5	CB around T-S line	0.00426	0.05	Standard	No Exceedance
G51D	UA	E001	Sulfate, total	mg/L	12/03/15 - 05/03/23	22	0	CI around median	121	400	Standard	No Exceedance
G51D	UA	E001	Thallium, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G51D	UA	E001	Total Dissolved Solids	mg/L	12/03/15 - 05/03/23	22	0	CI around mean	313	1,200	Standard	No Exceedance
G51D	UA	E001	pH (field)	SU	12/03/15 - 05/03/23	22	0	CB around T-S line	5.2/5.5	6/9	Background/Standard	Determined
G52D	UA	E001	Antimony, total	mg/L	12/03/15 - 05/03/23	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G52D	UA	E001	Arsenic, total	mg/L	12/03/15 - 05/03/23	20	10	CI around mean	0.00205	0.01	Standard	No Exceedance
G52D	UA	E001	Barium, total	mg/L	12/03/15 - 05/03/23	20	0	CB around linear reg	0.108	2	Standard	No Exceedance
G52D	UA	E001	Beryllium, total	mg/L	12/03/15 - 05/03/23	15	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
G52D	UA	E001	Boron, total	mg/L	12/03/15 - 05/03/23	21	90	CI around median	0.025	2	Standard	No Exceedance
G52D	UA	E001	Cadmium, total	mg/L	12/03/15 - 05/03/23	15	100	All ND - Last	0.002	0.005	Standard	No Exceedance
G52D	UA	E001	Chloride, total	mg/L	12/03/15 - 05/03/23	21	0	CB around linear reg	6.86	200	Standard	No Exceedance
G52D	UA	E001	Chromium, total	mg/L	12/03/15 - 05/03/23	20	100	All ND - Last	0.005	0.1	Standard	No Exceedance
G52D	UA	E001	Cobalt, total	mg/L	12/03/15 - 05/03/23	20	0	CI around mean	0.0028	0.006	Standard	No Exceedance
G52D	UA	E001	Fluoride, total	mg/L	12/03/15 - 05/03/23	21	0	CI around median	0.24	4	Standard	No Exceedance
G52D	UA	E001	Lead, total	mg/L	12/03/15 - 05/03/23	20	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
G52D	UA	E001	Lithium, total	mg/L	12/03/15 - 05/03/23	20	40	CI around geomean	0.0025	0.04	Standard	No Exceedance
G52D	UA	E001	Mercury, total	mg/L	12/03/15 - 05/03/23	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G52D	UA	E001	Molybdenum, total	mg/L	12/03/15 - 05/03/23	16	75	CI around median	0.001	0.1	Standard	No Exceedance
G52D	UA	E001	Selenium, total	mg/L	12/03/15 - 05/03/23	20	95	CI around median	0.001	0.05	Standard	No Exceedance
G52D	UA	E001	Sulfate, total	mg/L	12/03/15 - 05/03/23	21	0	CI around mean	80.1	400	Standard	No Exceedance
G52D	UA	E001	Thallium, total	mg/L	12/03/15 - 05/03/23	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G52D	UA	E001	Total Dissolved Solids	mg/L	12/03/15 - 05/03/23	21	0	CI around mean	336	1,200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Exceedance Type
G52D	UA	E001	pH (field)	SU	12/03/15 - 05/03/23	21	0	CI around mean	6.2/6.4	6/9	Background/Standard	No Exceedance
G53D	UA	E001	Antimony, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G53D	UA	E001	Arsenic, total	mg/L	12/03/15 - 05/03/23	21	100	All ND - Last	0.01	0.01	Standard	No Exceedance
G53D	UA	E001	Barium, total	mg/L	12/03/15 - 05/03/23	21	0	CB around linear reg	0.0193	2	Standard	No Exceedance
G53D	UA	E001	Beryllium, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
G53D	UA	E001	Boron, total	mg/L	12/03/15 - 05/03/23	22	0	CI around median	0.334	2	Standard	No Exceedance
G53D	UA	E001	Cadmium, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.002	0.005	Standard	No Exceedance
G53D	UA	E001	Chloride, total	mg/L	12/03/15 - 05/03/23	22	0	CI around median	18	200	Standard	No Exceedance
G53D	UA	E001	Chromium, total	mg/L	12/03/15 - 05/03/23	21	86	CB around T-S line	0.00144	0.1	Standard	No Exceedance
G53D	UA	E001	Cobalt, total	mg/L	12/03/15 - 05/03/23	21	19	CI around geomean	0.0014	0.006	Standard	No Exceedance
G53D	UA	E001	Fluoride, total	mg/L	12/03/15 - 05/03/23	22	0	CI around mean	0.636	4	Standard	No Exceedance
G53D	UA	E001	Lead, total	mg/L	12/03/15 - 05/03/23	21	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
G53D	UA	E001	Lithium, total	mg/L	12/03/15 - 05/03/23	21	52	CB around T-S line	0.00266	0.04	Standard	No Exceedance
G53D	UA	E001	Mercury, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G53D	UA	E001	Molybdenum, total	mg/L	12/03/15 - 05/03/23	17	88	CB around T-S line	0.001	0.1	Standard	No Exceedance
G53D	UA	E001	Selenium, total	mg/L	12/03/15 - 05/03/23	21	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G53D	UA	E001	Sulfate, total	mg/L	12/03/15 - 05/03/23	22	0	CB around T-S line	37.7	400	Standard	No Exceedance
G53D	UA	E001	Thallium, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G53D	UA	E001	Total Dissolved Solids	mg/L	12/03/15 - 05/03/23	22	0	CB around T-S line	255	1,200	Standard	No Exceedance
G53D	UA	E001	pH (field)	SU	12/03/15 - 05/03/23	22	0	CI around median	6.5/6.8	6/9	Background/Standard	No Exceedance
G54D	UA	E001	Antimony, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G54D	UA	E001	Arsenic, total	mg/L	12/03/15 - 05/03/23	21	48	CB around T-S line	-0.000438	0.01	Standard	No Exceedance
G54D	UA	E001	Barium, total	mg/L	12/03/15 - 05/03/23	21	0	CB around T-S line	0.0631	2	Standard	No Exceedance
G54D	UA	E001	Beryllium, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
G54D	UA	E001	Boron, total	mg/L	12/03/15 - 05/03/23	22	0	CI around mean	0.469	2	Standard	No Exceedance
G54D	UA	E001	Cadmium, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.002	0.005	Standard	No Exceedance
G54D	UA	E001	Chloride, total	mg/L	12/03/15 - 05/03/23	22	4	CB around T-S line	9.56	200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Exceedance Type
G54D	UA	E001	Chromium, total	mg/L	12/03/15 - 05/03/23	21	67	CI around median	0.0015	0.1	Standard	No Exceedance
G54D	UA	E001	Cobalt, total	mg/L	12/03/15 - 05/03/23	21	0	CB around linear reg	0.0031	0.006	Standard	No Exceedance
G54D	UA	E001	Fluoride, total	mg/L	12/03/15 - 05/03/23	22	0	CB around linear reg	0.257	4	Standard	No Exceedance
G54D	UA	E001	Lead, total	mg/L	12/03/15 - 05/03/23	21	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
G54D	UA	E001	Lithium, total	mg/L	12/03/15 - 05/03/23	21	14	CB around linear reg	0.00109	0.04	Standard	No Exceedance
G54D	UA	E001	Mercury, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G54D	UA	E001	Molybdenum, total	mg/L	12/03/15 - 05/03/23	17	94	CB around T-S line	0.001	0.1	Standard	No Exceedance
G54D	UA	E001	Selenium, total	mg/L	12/03/15 - 05/03/23	21	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G54D	UA	E001	Sulfate, total	mg/L	12/03/15 - 05/03/23	22	0	CB around linear reg	175	400	Standard	No Exceedance
G54D	UA	E001	Thallium, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G54D	UA	E001	Total Dissolved Solids	mg/L	12/03/15 - 05/03/23	22	0	CI around mean	490	1,200	Standard	No Exceedance
G54D	UA	E001	pH (field)	SU	12/03/15 - 05/03/23	22	0	CI around mean	6.6/6.8	6/9	Background/Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Notes:
Determined: An exceedance was determined without resampling
HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:

All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown

CB around T-S line = Confidence band around Thiel-Sen line

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

Statistical Result = calculated in accordance with Statistical Analysis Plan using constituent concentrations observed at monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits
GWPS = Groundwater Protection Standard
GWPS Source:

Standard = standard specified in 35 I.A.C. § 845.600(a)(1)

Background = background concentration (see cover page for additional information)

FIGURES

COMPLIANCE WELL
BACKGROUND WELL
STAFF GAUGE
REGULATED UNIT (SUBJECT UNIT)
PROPERTY BOUNDARY

0 200 400 Feet

35 I.A.C. § 845 GROUNDWATER MONITORING WELL NETWORK

EAST ASH POND
JOPPA POWER PLANT
JOPPA, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

ATTACHMENTS

ATTACHMENT A
GROUNDWATER ELEVATION DATA
QUARTER 2 2023

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G01D	Background	05/01/2023	40.56	323.63
G02D	Background	05/01/2023	40.94	322.71
G03	Compliance	05/01/2023	35.97	321.90
G05	Compliance	05/01/2023	40.85	320.36
G06	Compliance	05/01/2023	37.95	317.29
G07	Compliance	05/01/2023	38.15	315.38
G08	Compliance	05/01/2023	29.73	313.81
G09	Compliance	05/01/2023	39.04	312.66
G10	Compliance	05/01/2023	39.30	314.19
G11	Compliance	05/01/2023	45.10	321.45
G51D	Compliance	05/01/2023	41.82	322.03
G53D	Compliance	05/01/2023	35.75	319.72
G54D	Compliance	05/01/2023	41.25	315.78

Notes:
BMP = below measuring point
NAVD88 = North American Vertical Datum of 1988

ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 2 2023

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

June 22, 2023

Eric Bauer
Ramboll
300 S. Wacker Drive
Suite 130
Chicago, IL 60606
TEL: (414) 837-3607
FAX: (414) 837-3608

Illinois	100226
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: JOP-23Q2 **WorkOrder:** 23041536

Dear Eric Bauer:

TEKLAB, INC received 20 samples on 5/4/2023 8:10:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Elizabeth A. Hurley

Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com

Report Contents

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23

This reporting package includes the following:

Definitions

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Abbr	Definition
*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Definitions

Client: Ramboll

Work Order: 23041536

Client Project: JOP-23Q2

Report Date: 22-Jun-23

Qualifiers

- # - Unknown hydrocarbon
- B - Analyte detected in associated Method Blank
- C - RL shown is a Client Requested Quantitation Limit
- E - Value above quantitation range
- H - Holding times exceeded
- I - Associated internal standard was outside method criteria
- J - Analyte detected below quantitation limits
- M - Manual Integration used to determine area response
- ND - Not Detected at the Reporting Limit
- R - RPD outside accepted recovery limits
- S - Spike Recovery outside recovery limits
- T - TIC(Tentatively identified compound)
- X - Value exceeds Maximum Contaminant Level

Case Narrative

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23

Cooler Receipt Temp: 4.2 °C

An employee of Teklab, Inc. collected the sample(s).

JOP_XSG01 was re-measured on 5/15/23 at 1033; the re-measurement will be included in the final report. JOP_007 will be reported as collected at 1812 per the field file. EAH 5/17/23

Per Eric Bauer, depth to water is not applicable for JOP_YSG02. EAH 5/23/23

JOP_845_401 data is included in this report. EAH 5/30/23

This report was revised on June 19, 2023, per Teklab QA departments's request. The reason for this revision is to correct DO values due to an error in recorded units in the field file(s). Please replace report dated June 1, 2023 with this report. EAH 6/19/23

This JOP_845_401 program report was revised on June 22, 2023 per Eric Bauer's request. The reason for the revision is to remove ALKB dissolved, ALKC dissolved, Ferrous Iron, total/dissolved Nitrate, total/dissolved Phosphate, total/dissolved Organic Carbon, dissolved Chloride, dissolved Sulfate, dissolved Ca, Mg, K, and Na, and total/dissolved Al, Fe, Mn, and Si. Please replace report dated June 19, 2023 with this report. EAH 6/22/23

Locations

Collinsville
Address 5445 Horseshoe Lake Road
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Phone (618) 344-1004
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Springfield
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Phone (217) 698-1004
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Collinsville Air
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Phone (618) 344-1004
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Email EHurley@teklabinc.com

Chicago
Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Accreditations

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2024	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2023	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2023	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2023	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2024	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Lab ID: 23041536-001 **Client Sample ID:** JOP_G001&D

Matrix: GROUNDWATER **Collection Date:** 05/02/2023 9:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**40.56**	ft	1	05/02/2023 9:26	R328720
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**23**	NTU	1	05/02/2023 9:26	R328720
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**145**	mV	1	05/02/2023 9:26	R328720
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**682**	µS/cm	1	05/02/2023 9:26	R328720
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.5**	°C	1	05/02/2023 9:26	R328720
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.85**	mg/L	1	05/02/2023 9:26	R328720
SW-846 9040B FIELD									
pH	*	0	1.00		**6.34**		1	05/02/2023 9:26	R328720
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**240**	mg/L	1	05/04/2023 16:38	R328332
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/04/2023 16:38	R328332
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**336**	mg/L	1	05/06/2023 10:14	R328428
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**26**	mg/L	1	05/10/2023 14:46	R328607
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.22**	mg/L	1	05/09/2023 11:51	R328523
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**10**	mg/L	1	05/10/2023 14:47	R328580
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0100		**< 0.0100**	mg/L	1	05/06/2023 5:47	205805
Barium	NELAP	0.0007	0.0025		**0.213**	mg/L	1	05/06/2023 5:47	205805
Beryllium	NELAP	0.0002	0.0005	J	**0.0002**	mg/L	1	05/06/2023 5:47	205805
Boron	NELAP	0.0090	0.0200		**0.0210**	mg/L	1	05/06/2023 5:47	205805
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/06/2023 5:47	205805
Calcium	NELAP	0.0350	0.100		**28.8**	mg/L	1	05/06/2023 5:47	205805
Chromium	NELAP	0.0028	0.0050		**0.0050**	mg/L	1	05/06/2023 5:47	205805
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	05/06/2023 5:47	205805
Lithium	NELAP	0.0190	0.0500		**< 0.0500**	mg/L	10	05/13/2023 13:53	205805
Magnesium	NELAP	0.0055	0.0500		**8.43**	mg/L	1	05/06/2023 5:47	205805
Molybdenum	NELAP	0.0037	0.0100		**< 0.0100**	mg/L	1	05/06/2023 5:47	205805
Potassium	NELAP	0.0400	0.100		**1.28**	mg/L	1	05/06/2023 5:47	205805
Sodium	NELAP	0.0180	0.0500		**90.3**	mg/L	1	05/06/2023 5:47	205805

Elevated reporting limit due to high levels of target and non-target analytes.

CCV recovered outside the upper control limits for Li. Sample results are below the reporting limit. Data is reportable per the TNI standard.

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0009**	mg/L	5	05/05/2023 12:28	205805
Cobalt	NELAP	0.0001	0.0010		**0.0058**	mg/L	5	05/05/2023 12:28	205805
Selenium	NELAP	0.0006	0.0010		**0.0015**	mg/L	5	05/05/2023 12:28	205805
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/05/2023 12:28	205805

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23
Lab ID: 23041536-001
Client Sample ID: JOP_G001&D
Matrix: GROUNDWATER
Collection Date: 05/02/2023 9:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/05/2023 12:26	205809

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Lab ID: 23041536-002 **Client Sample ID:** JOP_G002&D

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 8:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**40.94**	ft	1	05/03/2023 8:49	R328720
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**1.3**	NTU	1	05/03/2023 8:49	R328720
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**182**	mV	1	05/03/2023 8:49	R328720
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**494**	µS/cm	1	05/03/2023 8:49	R328720
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.3**	°C	1	05/03/2023 8:49	R328720
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.07**	mg/L	1	05/03/2023 8:49	R328720
SW-846 9040B FIELD									
pH	*	0	1.00		**6.46**		1	05/03/2023 8:49	R328720
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**140**	mg/L	1	05/04/2023 16:48	R328332
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/04/2023 16:48	R328332
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**230**	mg/L	1	05/08/2023 10:24	R328528
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**13**	mg/L	1	05/10/2023 14:55	R328607
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.22**	mg/L	1	05/09/2023 11:53	R328523
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**21**	mg/L	1	05/10/2023 14:55	R328580
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0100		**< 0.0100**	mg/L	1	05/06/2023 5:51	205805
Barium	NELAP	0.0007	0.0025		**0.210**	mg/L	1	05/06/2023 5:51	205805
Beryllium	NELAP	0.0002	0.0005		**< 0.0005**	mg/L	1	05/06/2023 5:51	205805
Boron	NELAP	0.0090	0.0200		**0.0412**	mg/L	1	05/06/2023 5:51	205805
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/06/2023 5:51	205805
Calcium	NELAP	0.0350	0.100		**38.7**	mg/L	1	05/06/2023 5:51	205805
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	05/06/2023 5:51	205805
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	05/06/2023 5:51	205805
Lithium	NELAP	0.0190	0.0500		**< 0.0500**	mg/L	10	05/13/2023 13:56	205805
Magnesium	NELAP	0.0055	0.0500		**10.4**	mg/L	1	05/06/2023 5:51	205805
Molybdenum	NELAP	0.0037	0.0100		**< 0.0100**	mg/L	1	05/06/2023 5:51	205805
Potassium	NELAP	0.0400	0.100		**1.14**	mg/L	1	05/06/2023 5:51	205805
Sodium	NELAP	0.0180	0.0500		**39.1**	mg/L	1	05/06/2023 5:51	205805
Elevated reporting limit due to high levels of target and non-target analytes.									
CCV recovered outside the upper control limits for Li. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/05/2023 12:35	205805
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	05/05/2023 12:35	205805
Selenium	NELAP	0.0006	0.0010		**0.0016**	mg/L	5	05/05/2023 12:35	205805
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/05/2023 12:35	205805

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23
Lab ID: 23041536-002
Client Sample ID: JOP_G002&D
Matrix: GROUNDWATER
Collection Date: 05/03/2023 8:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/05/2023 12:28	205809

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Lab ID: 23041536-003 **Client Sample ID:** JOP_G003

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 8:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**35.97**	ft	1	05/03/2023 8:08	R328720
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**130**	NTU	1	05/03/2023 8:08	R328720
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**226**	mV	1	05/03/2023 8:08	R328720
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**674**	µS/cm	1	05/03/2023 8:08	R328720
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.3**	°C	1	05/03/2023 8:08	R328720
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.79**	mg/L	1	05/03/2023 8:08	R328720
SW-846 9040B FIELD									
pH	*	0	1.00		**6.18**		1	05/03/2023 8:08	R328720
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**135**	mg/L	1	05/04/2023 16:52	R328332
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/04/2023 16:52	R328332
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**350**	mg/L	2.5	05/08/2023 10:24	R328528
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50	S	**97**	mg/L	5	05/10/2023 15:16	R328607
Matrix spike did not recover within control limits due to matrix interference.									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.20**	mg/L	1	05/09/2023 11:55	R328523
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**28**	mg/L	2	05/10/2023 15:05	R328580
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0100		**< 0.0100**	mg/L	1	05/06/2023 5:55	205805
Barium	NELAP	0.0007	0.0025		**0.100**	mg/L	1	05/06/2023 5:55	205805
Beryllium	NELAP	0.0002	0.0005		**0.0010**	mg/L	1	05/06/2023 5:55	205805
Boron	NELAP	0.0090	0.0200		**0.380**	mg/L	1	05/06/2023 5:55	205805
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/06/2023 5:55	205805
Calcium	NELAP	0.0350	0.100		**52.6**	mg/L	1	05/06/2023 5:55	205805
Chromium	NELAP	0.0028	0.0050		**0.0235**	mg/L	1	05/06/2023 5:55	205805
Lead	NELAP	0.0040	0.0075	J	**0.0058**	mg/L	1	05/06/2023 5:55	205805
Lithium	NELAP	0.0190	0.0500		**< 0.0500**	mg/L	10	05/13/2023 14:00	205805
Magnesium	NELAP	0.0055	0.0500		**16.6**	mg/L	1	05/06/2023 5:55	205805
Molybdenum	NELAP	0.0037	0.0100		**< 0.0100**	mg/L	1	05/06/2023 5:55	205805
Potassium	NELAP	0.0400	0.100		**1.70**	mg/L	1	05/06/2023 5:55	205805
Sodium	NELAP	0.0180	0.0500		**41.9**	mg/L	1	05/06/2023 5:55	205805
Elevated reporting limit due to high levels of target and non-target analytes.									
CCV recovered outside the upper control limits for Li. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/05/2023 13:32	205805
Cobalt	NELAP	0.0001	0.0010		**0.0146**	mg/L	5	05/05/2023 13:32	205805
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/08/2023 15:31	205805

Laboratory Results

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Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Lab ID: 23041536-003 **Client Sample ID:** JOP_G003

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 8:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/05/2023 13:32	205805
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/05/2023 12:31	205809

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Lab ID: 23041536-004 **Client Sample ID:** JOP_G005

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 17:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**40.85**	ft	1	05/03/2023 17:01	R328720
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**7.0**	NTU	1	05/03/2023 17:01	R328720
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**128**	mV	1	05/03/2023 17:01	R328720
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**754**	µS/cm	1	05/03/2023 17:01	R328720
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.1**	°C	1	05/03/2023 17:01	R328720
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.39**	mg/L	1	05/03/2023 17:01	R328720
SW-846 9040B FIELD									
pH	*	0	1.00		**6.49**		1	05/03/2023 17:01	R328720
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**163**	mg/L	1	05/11/2023 9:03	R328650
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/11/2023 9:03	R328650
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**388**	mg/L	1	05/08/2023 11:12	R328528
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**112**	mg/L	10	05/10/2023 15:48	R328607
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.38**	mg/L	1	05/09/2023 11:56	R328523
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**24**	mg/L	1	05/10/2023 15:43	R328580
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0100		**< 0.0100**	mg/L	1	05/06/2023 5:59	205805
Barium	NELAP	0.0007	0.0025		**0.212**	mg/L	1	05/06/2023 5:59	205805
Beryllium	NELAP	0.0002	0.0005		**< 0.0005**	mg/L	1	05/06/2023 5:59	205805
Boron	NELAP	0.0090	0.0200		**0.0478**	mg/L	1	05/06/2023 5:59	205805
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/06/2023 5:59	205805
Calcium	NELAP	0.0350	0.100		**54.4**	mg/L	1	05/06/2023 5:59	205805
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	05/06/2023 5:59	205805
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	05/06/2023 5:59	205805
Lithium	NELAP	0.0190	0.0500		**< 0.0500**	mg/L	10	05/13/2023 14:04	205805
Magnesium	NELAP	0.0055	0.0500		**19.3**	mg/L	1	05/06/2023 5:59	205805
Molybdenum	NELAP	0.0037	0.010	J	**0.0051**	mg/L	1	05/06/2023 5:59	205805
Potassium	NELAP	0.0400	0.100		**1.68**	mg/L	1	05/06/2023 5:59	205805
Sodium	NELAP	0.0180	0.0500		**46.7**	mg/L	1	05/06/2023 5:59	205805
Elevated reporting limit due to high levels of target and non-target analytes.									
CCV recovered outside the upper control limits for Li. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/05/2023 13:39	205805
Cobalt	NELAP	0.0001	0.0010		**0.0103**	mg/L	5	05/05/2023 13:39	205805
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/05/2023 13:39	205805
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/05/2023 13:39	205805

Laboratory Results

Teklab, Inc.
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Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23
Lab ID: 23041536-004
Client Sample ID: JOP_G005
Matrix: GROUNDWATER
Collection Date: 05/03/2023 17:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/05/2023 12:33	205809

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Lab ID: 23041536-005 **Client Sample ID:** JOP_G006

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 17:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**37.95**	ft	1	05/03/2023 17:35	R328720
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**54**	NTU	1	05/03/2023 17:35	R328720
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**141**	mV	1	05/03/2023 17:35	R328720
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1010**	µS/cm	1	05/03/2023 17:35	R328720
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.7**	°C	1	05/03/2023 17:35	R328720
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.63**	mg/L	1	05/03/2023 17:35	R328720
SW-846 9040B FIELD									
pH	*	0	1.00		**6.63**		1	05/03/2023 17:35	R328720
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**166**	mg/L	1	05/04/2023 16:56	R328332
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/04/2023 16:56	R328332
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**525**	mg/L	2.5	05/08/2023 11:12	R328528
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**208**	mg/L	10	05/10/2023 15:56	R328607
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.26**	mg/L	1	05/09/2023 11:59	R328523
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**22**	mg/L	1	05/10/2023 15:51	R328580
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0100		**< 0.0100**	mg/L	1	05/06/2023 6:25	205805
Barium	NELAP	0.0007	0.0025		**0.0454**	mg/L	1	05/06/2023 6:25	205805
Beryllium	NELAP	0.0002	0.0005	J	**0.0003**	mg/L	1	05/06/2023 6:25	205805
Boron	NELAP	0.0090	0.0200		**3.28**	mg/L	1	05/06/2023 6:25	205805
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/06/2023 6:25	205805
Calcium	NELAP	0.0350	0.100	S	**92.5**	mg/L	1	05/06/2023 6:25	205805
Chromium	NELAP	0.0028	0.0050		**0.0084**	mg/L	1	05/06/2023 6:25	205805
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	05/06/2023 6:25	205805
Lithium	NELAP	0.0095	0.0250		**< 0.0250**	mg/L	5	05/15/2023 12:35	205805
Magnesium	NELAP	0.0055	0.0500	S	**24.4**	mg/L	1	05/06/2023 6:25	205805
Molybdenum	NELAP	0.0037	0.0100		**< 0.0100**	mg/L	1	05/06/2023 6:25	205805
Potassium	NELAP	0.0400	0.100		**2.49**	mg/L	1	05/06/2023 6:25	205805
Sodium	NELAP	0.0180	0.0500	S	**49.7**	mg/L	1	05/06/2023 6:25	205805
Elevated reporting limit due to high levels of target and non-target analytes.									
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0015**	mg/L	5	05/05/2023 15:33	205805
Cobalt	NELAP	0.0001	0.0010		**0.0040**	mg/L	5	05/05/2023 15:33	205805
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/05/2023 15:33	205805
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/05/2023 15:33	205805

Laboratory Results

Teklab, Inc.
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Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23
Lab ID: 23041536-005
Client Sample ID: JOP_G006
Matrix: GROUNDWATER
Collection Date: 05/03/2023 17:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	**0.00010**	mg/L	1	05/05/2023 12:35	205809

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Lab ID: 23041536-006 **Client Sample ID:** JOP_G007

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 18:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**38.15**	ft	1	05/03/2023 18:12	R328720
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**170**	NTU	1	05/03/2023 18:12	R328720
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**161**	mV	1	05/03/2023 18:12	R328720
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1050**	µS/cm	1	05/03/2023 18:12	R328720
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.6**	°C	1	05/03/2023 18:12	R328720
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.13**	mg/L	1	05/03/2023 18:12	R328720
SW-846 9040B FIELD									
pH	*	0	1.00		**6.38**		1	05/03/2023 18:12	R328720
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**171**	mg/L	1	05/11/2023 9:08	R328650
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/11/2023 9:08	R328650
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**590**	mg/L	2.5	05/08/2023 11:12	R328528
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**260**	mg/L	10	05/10/2023 16:04	R328607
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.40**	mg/L	1	05/09/2023 12:00	R328523
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**22**	mg/L	1	05/10/2023 15:59	R328580
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0100		**< 0.0100**	mg/L	1	05/06/2023 6:02	205805
Barium	NELAP	0.0007	0.0025		**0.215**	mg/L	1	05/06/2023 6:02	205805
Beryllium	NELAP	0.0002	0.0005		**0.0014**	mg/L	1	05/06/2023 6:02	205805
Boron	NELAP	0.0090	0.0200		**4.27**	mg/L	1	05/06/2023 6:02	205805
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/06/2023 6:02	205805
Calcium	NELAP	0.0350	0.100		**97.3**	mg/L	1	05/06/2023 6:02	205805
Chromium	NELAP	0.0028	0.0050		**0.0365**	mg/L	1	05/06/2023 6:02	205805
Lead	NELAP	0.0040	0.0075	J	**0.0060**	mg/L	1	05/06/2023 6:02	205805
Lithium	NELAP	0.0190	0.0500		**< 0.0500**	mg/L	10	05/13/2023 14:07	205805
Magnesium	NELAP	0.0055	0.0500		**23.4**	mg/L	1	05/06/2023 6:02	205805
Molybdenum	NELAP	0.0037	0.0100		**< 0.0100**	mg/L	1	05/06/2023 6:02	205805
Potassium	NELAP	0.0400	0.100		**4.36**	mg/L	1	05/06/2023 6:02	205805
Sodium	NELAP	0.0180	0.0500		**69.9**	mg/L	1	05/06/2023 6:02	205805
Elevated reporting limit due to high levels of target and non-target analytes.									
CCV recovered outside the upper control limits for Li. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0006**	mg/L	5	05/05/2023 13:45	205805
Cobalt	NELAP	0.0001	0.0010		**0.0078**	mg/L	5	05/05/2023 13:45	205805
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/05/2023 13:45	205805
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/05/2023 13:45	205805

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23
Lab ID: 23041536-006
Client Sample ID: JOP_G007
Matrix: GROUNDWATER
Collection Date: 05/03/2023 18:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/05/2023 12:37	205809

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Lab ID: 23041536-007 **Client Sample ID:** JOP_G008

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 15:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**29.73**	ft	1	05/03/2023 15:45	R328720
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**36**	NTU	1	05/03/2023 15:45	R328720
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**130**	mV	1	05/03/2023 15:45	R328720
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1230**	µS/cm	1	05/03/2023 15:45	R328720
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.3**	°C	1	05/03/2023 15:45	R328720
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.38**	mg/L	1	05/03/2023 15:45	R328720
SW-846 9040B FIELD									
pH	*	0	1.00		**6.88**		1	05/03/2023 15:45	R328720
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**154**	mg/L	1	05/04/2023 17:08	R328332
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/04/2023 17:08	R328332
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**714**	mg/L	1	05/09/2023 12:36	R328566
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**363**	mg/L	10	05/10/2023 16:12	R328607
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.29**	mg/L	1	05/09/2023 12:02	R328523
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**16**	mg/L	1	05/10/2023 16:07	R328580
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0100		**0.0112**	mg/L	1	05/06/2023 6:36	205805
Barium	NELAP	0.0007	0.0025		**0.0974**	mg/L	1	05/06/2023 6:36	205805
Beryllium	NELAP	0.0002	0.0005		**0.0005**	mg/L	1	05/06/2023 6:36	205805
Boron	NELAP	0.0090	0.0200		**5.43**	mg/L	1	05/06/2023 6:36	205805
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/06/2023 6:36	205805
Calcium	NELAP	0.0350	0.100		**140**	mg/L	1	05/06/2023 6:36	205805
Chromium	NELAP	0.0028	0.0050		**0.0093**	mg/L	1	05/06/2023 6:36	205805
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	05/06/2023 6:36	205805
Lithium	NELAP	0.0190	0.0500		**< 0.0500**	mg/L	10	05/13/2023 14:11	205805
Magnesium	NELAP	0.0055	0.0500		**32.2**	mg/L	1	05/06/2023 6:36	205805
Molybdenum	NELAP	0.0037	0.0100		**< 0.0100**	mg/L	1	05/06/2023 6:36	205805
Potassium	NELAP	0.0400	0.100		**1.67**	mg/L	1	05/06/2023 6:36	205805
Sodium	NELAP	0.0180	0.0500		**41.7**	mg/L	1	05/06/2023 6:36	205805
Elevated reporting limit due to high levels of target and non-target analytes.									
CCV recovered outside the upper control limits for Li. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/05/2023 13:51	205805
Cobalt	NELAP	0.0001	0.0010		**0.0113**	mg/L	5	05/05/2023 13:51	205805
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/05/2023 13:51	205805
Thallium	NELAP	0.0010	0.0020	J	**0.0013**	mg/L	5	05/05/2023 13:51	205805

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23
Lab ID: 23041536-007
Client Sample ID: JOP_G008
Matrix: GROUNDWATER
Collection Date: 05/03/2023 15:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/05/2023 12:40	205809

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Lab ID: 23041536-008 **Client Sample ID:** JOP_G009

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 13:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**39.04**	ft	1	05/03/2023 13:13	R328720
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**58**	NTU	1	05/03/2023 13:13	R328720
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**13**	mV	1	05/03/2023 13:13	R328720
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**946**	µS/cm	1	05/03/2023 13:13	R328720
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.9**	°C	1	05/03/2023 13:13	R328720
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.88**	mg/L	1	05/03/2023 13:13	R328720
SW-846 9040B FIELD									
pH	*	0	1.00		**6.37**		1	05/03/2023 13:13	R328720
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**110**	mg/L	1	05/04/2023 17:12	R328332
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/04/2023 17:12	R328332
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	**534**	mg/L	1	05/19/2023 12:38	R329144
Sample required re-analysis out of hold time.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**241**	mg/L	10	05/10/2023 16:33	R328607
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.34**	mg/L	1	05/09/2023 12:13	R328523
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**20**	mg/L	1	05/10/2023 16:15	R328580
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.010	J	**0.0091**	mg/L	1	05/06/2023 6:39	205805
Barium	NELAP	0.0007	0.0025		**0.0560**	mg/L	1	05/06/2023 6:39	205805
Beryllium	NELAP	0.0002	0.0005		**0.0008**	mg/L	1	05/06/2023 6:39	205805
Boron	NELAP	0.0090	0.0200		**3.87**	mg/L	1	05/06/2023 6:39	205805
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/06/2023 6:39	205805
Calcium	NELAP	0.0350	0.100		**67.2**	mg/L	1	05/06/2023 6:39	205805
Chromium	NELAP	0.0028	0.0050		**0.0084**	mg/L	1	05/06/2023 6:39	205805
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	05/06/2023 6:39	205805
Lithium	NELAP	0.0190	0.0500		**< 0.0500**	mg/L	10	05/13/2023 14:41	205805
Magnesium	NELAP	0.0055	0.0500		**24.7**	mg/L	1	05/06/2023 6:39	205805
Molybdenum	NELAP	0.0037	0.0100		**< 0.0100**	mg/L	1	05/06/2023 6:39	205805
Potassium	NELAP	0.0400	0.100		**0.987**	mg/L	1	05/06/2023 6:39	205805
Sodium	NELAP	0.0180	0.0500		**66.3**	mg/L	1	05/06/2023 6:39	205805
Elevated reporting limit due to high levels of target and non-target analytes.									
CCV recovered outside the upper control limits for Li. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0037**	mg/L	5	05/05/2023 13:58	205805
Cobalt	NELAP	0.0001	0.0010		**0.0071**	mg/L	5	05/05/2023 13:58	205805
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/05/2023 13:58	205805

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23
Lab ID: 23041536-008
Client Sample ID: JOP_G009
Matrix: GROUNDWATER
Collection Date: 05/03/2023 13:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/05/2023 13:58	205805
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/05/2023 12:42	205809

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Lab ID: 23041536-009 **Client Sample ID:** JOP_G010

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 15:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**39.30**	ft	1	05/03/2023 15:12	R328720
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**59**	NTU	1	05/03/2023 15:12	R328720
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**135**	mV	1	05/03/2023 15:12	R328720
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1450**	µS/cm	1	05/03/2023 15:12	R328720
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.1**	°C	1	05/03/2023 15:12	R328720
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.68**	mg/L	1	05/03/2023 15:12	R328720
SW-846 9040B FIELD									
pH	*	0	1.00		**6.60**		1	05/03/2023 15:12	R328720
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**160**	mg/L	1	05/11/2023 9:14	R328650
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/11/2023 9:14	R328650
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**760**	mg/L	2.5	05/08/2023 11:13	R328528
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**365**	mg/L	10	05/10/2023 16:41	R328607
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.30**	mg/L	1	05/09/2023 12:15	R328523
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**27**	mg/L	1	05/10/2023 16:36	R328580
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0100		**< 0.0100**	mg/L	1	05/06/2023 6:43	205805
Barium	NELAP	0.0007	0.0025		**0.0624**	mg/L	1	05/06/2023 6:43	205805
Beryllium	NELAP	0.0002	0.0005		**0.0007**	mg/L	1	05/06/2023 6:43	205805
Boron	NELAP	0.0090	0.0200		**3.08**	mg/L	1	05/06/2023 6:43	205805
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/06/2023 6:43	205805
Calcium	NELAP	0.0350	0.100		**124**	mg/L	1	05/06/2023 6:43	205805
Chromium	NELAP	0.0028	0.0050		**0.0158**	mg/L	1	05/06/2023 6:43	205805
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	05/06/2023 6:43	205805
Lithium	NELAP	0.0190	0.0500		**< 0.0500**	mg/L	10	05/13/2023 14:45	205805
Magnesium	NELAP	0.0055	0.0500		**36.9**	mg/L	1	05/06/2023 6:43	205805
Molybdenum	NELAP	0.0037	0.0100		**< 0.0100**	mg/L	1	05/06/2023 6:43	205805
Potassium	NELAP	0.0400	0.100		**5.42**	mg/L	1	05/06/2023 6:43	205805
Sodium	NELAP	0.0180	0.0500		**77.5**	mg/L	1	05/06/2023 6:43	205805
Elevated reporting limit due to high levels of target and non-target analytes.									
CCV recovered outside the upper control limits for Li. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/05/2023 14:04	205805
Cobalt	NELAP	0.0001	0.0010		**0.0058**	mg/L	5	05/05/2023 14:04	205805
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/05/2023 14:04	205805
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/05/2023 14:04	205805

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23
Lab ID: 23041536-009
Client Sample ID: JOP_G010
Matrix: GROUNDWATER
Collection Date: 05/03/2023 15:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/05/2023 12:53	205809

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Lab ID: 23041536-010 **Client Sample ID:** JOP_G011

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 10:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**45.10**	ft	1	05/03/2023 10:10	R328720
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**21**	NTU	1	05/03/2023 10:10	R328720
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**207**	mV	1	05/03/2023 10:10	R328720
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1520**	µS/cm	1	05/03/2023 10:10	R328720
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.5**	°C	1	05/03/2023 10:10	R328720
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.58**	mg/L	1	05/03/2023 10:10	R328720
SW-846 9040B FIELD									
pH	*	0	1.00		**5.82**		1	05/03/2023 10:10	R328720
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**81**	mg/L	1	05/05/2023 15:40	R328395
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/05/2023 15:40	R328395
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**808**	mg/L	1	05/08/2023 11:14	R328528
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**416**	mg/L	10	05/10/2023 16:49	R328607
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.20**	mg/L	1	05/09/2023 12:16	R328523
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**37**	mg/L	1	05/10/2023 16:44	R328580
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0100		**< 0.0100**	mg/L	1	05/06/2023 6:47	205805
Barium	NELAP	0.0007	0.0025		**0.0770**	mg/L	1	05/06/2023 6:47	205805
Beryllium	NELAP	0.0002	0.0005		**0.0005**	mg/L	1	05/06/2023 6:47	205805
Boron	NELAP	0.0090	0.0200		**0.373**	mg/L	1	05/06/2023 6:47	205805
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/06/2023 6:47	205805
Calcium	NELAP	0.0350	0.100		**122**	mg/L	1	05/06/2023 6:47	205805
Chromium	NELAP	0.0028	0.0050		**0.0063**	mg/L	1	05/06/2023 6:47	205805
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	05/06/2023 6:47	205805
Lithium	NELAP	0.0190	0.0500		**< 0.0500**	mg/L	10	05/13/2023 14:48	205805
Magnesium	NELAP	0.0055	0.0500		**43.2**	mg/L	1	05/06/2023 6:47	205805
Molybdenum	NELAP	0.0037	0.0100		**< 0.0100**	mg/L	1	05/06/2023 6:47	205805
Potassium	NELAP	0.0400	0.100		**1.03**	mg/L	1	05/06/2023 6:47	205805
Sodium	NELAP	0.0180	0.0500		**62.5**	mg/L	1	05/06/2023 6:47	205805
Elevated reporting limit due to high levels of target and non-target analytes.									
CCV recovered outside the upper control limits for Li. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/05/2023 14:10	205805
Cobalt	NELAP	0.0001	0.0010		**0.0185**	mg/L	5	05/05/2023 14:10	205805
Selenium	NELAP	0.0006	0.0010		**0.0098**	mg/L	5	05/05/2023 14:10	205805
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/05/2023 14:10	205805

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23
Lab ID: 23041536-010
Client Sample ID: JOP_G011
Matrix: GROUNDWATER
Collection Date: 05/03/2023 10:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/05/2023 12:56	205809

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Lab ID: 23041536-011 **Client Sample ID:** JOP_G051&D

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 9:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**41.82**	ft	1	05/03/2023 9:28	R328720
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**31**	NTU	1	05/03/2023 9:28	R328720
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**214**	mV	1	05/03/2023 9:28	R328720
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**514**	µS/cm	1	05/03/2023 9:28	R328720
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.3**	°C	1	05/03/2023 9:28	R328720
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.79**	mg/L	1	05/03/2023 9:28	R328720
SW-846 9040B FIELD									
pH	*	0	1.00		**5.57**		1	05/03/2023 9:28	R328720
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**148**	mg/L	1	05/04/2023 17:17	R328332
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/04/2023 17:17	R328332
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**310**	mg/L	1	05/08/2023 11:14	R328528
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**59**	mg/L	2	05/10/2023 16:55	R328607
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.27**	mg/L	1	05/09/2023 12:18	R328523
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**11**	mg/L	2	05/10/2023 16:55	R328580
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0100		**< 0.0100**	mg/L	1	05/06/2023 6:50	205805
Barium	NELAP	0.0007	0.0025		**0.273**	mg/L	1	05/06/2023 6:50	205805
Beryllium	NELAP	0.0002	0.0005		**< 0.0005**	mg/L	1	05/06/2023 6:50	205805
Boron	NELAP	0.0090	0.0200		**0.0297**	mg/L	1	05/06/2023 6:50	205805
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/06/2023 6:50	205805
Calcium	NELAP	0.0350	0.100		**48.2**	mg/L	1	05/06/2023 6:50	205805
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	05/06/2023 6:50	205805
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	05/06/2023 6:50	205805
Lithium	NELAP	0.0190	0.0500		**< 0.0500**	mg/L	10	05/13/2023 14:52	205805
Magnesium	NELAP	0.0055	0.0500		**14.3**	mg/L	1	05/06/2023 6:50	205805
Molybdenum	NELAP	0.0037	0.0100		**< 0.0100**	mg/L	1	05/06/2023 6:50	205805
Potassium	NELAP	0.0400	0.100		**0.693**	mg/L	1	05/06/2023 6:50	205805
Sodium	NELAP	0.0180	0.0500		**28.6**	mg/L	1	05/06/2023 6:50	205805
Elevated reporting limit due to high levels of target and non-target analytes.									
CCV recovered outside the upper control limits for Li. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	05/05/2023 14:17	205805
Cobalt	NELAP	0.0001	0.0010		**0.0093**	mg/L	5	05/05/2023 14:17	205805
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/05/2023 14:17	205805
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/05/2023 14:17	205805

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23
Lab ID: 23041536-011
Client Sample ID: JOP_G051&D
Matrix: GROUNDWATER
Collection Date: 05/03/2023 9:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/05/2023 12:58	205809

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Lab ID: 23041536-012 **Client Sample ID:** JOP_G052&D

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 14:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**27.12**	ft	1	05/03/2023 14:08	R328720
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**< 1.0**	NTU	1	05/03/2023 14:08	R328720
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**68**	mV	1	05/03/2023 14:08	R328720
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**572**	µS/cm	1	05/03/2023 14:08	R328720
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.7**	°C	1	05/03/2023 14:08	R328720
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.35**	mg/L	1	05/03/2023 14:08	R328720
SW-846 9040B FIELD									
pH	*	0	1.00		**6.31**		1	05/03/2023 14:08	R328720
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**53**	mg/L	1	05/11/2023 9:19	R328650
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/11/2023 9:19	R328650
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**296**	mg/L	1	05/08/2023 11:14	R328528
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**129**	mg/L	10	05/10/2023 17:37	R328607
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10	J	**0.10**	mg/L	1	05/09/2023 12:26	R328523
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**5**	mg/L	1	05/10/2023 17:32	R328580
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0100		**< 0.0100**	mg/L	1	05/13/2023 16:10	205805
Barium	NELAP	0.0007	0.0025		**0.0461**	mg/L	1	05/13/2023 16:10	205805
Beryllium	NELAP	0.0002	0.0005		**< 0.0005**	mg/L	1	05/17/2023 10:29	205805
Boron	NELAP	0.0090	0.0200		**0.682**	mg/L	1	05/13/2023 16:10	205805
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/06/2023 7:13	205805
Calcium	NELAP	0.0350	0.100		**28.8**	mg/L	1	05/13/2023 16:10	205805
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	05/06/2023 7:13	205805
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	05/06/2023 7:13	205805
Lithium	NELAP	0.0019	0.0050		**< 0.0050**	mg/L	1	05/13/2023 16:10	205805
Magnesium	NELAP	0.0055	0.0500		**12.1**	mg/L	1	05/17/2023 10:29	205805
Molybdenum	NELAP	0.0037	0.0100		**< 0.0100**	mg/L	1	05/06/2023 7:13	205805
Potassium	NELAP	0.0400	0.100		**0.493**	mg/L	1	05/06/2023 7:13	205805
Sodium	NELAP	0.0180	0.0500		**36.1**	mg/L	1	05/06/2023 7:13	205805
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/05/2023 14:23	205805
Cobalt	NELAP	0.0001	0.0010		**0.0024**	mg/L	5	05/05/2023 14:23	205805
Selenium	NELAP	0.0006	0.0010		**0.0075**	mg/L	5	05/05/2023 14:23	205805
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/05/2023 14:23	205805

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23
Lab ID: 23041536-012
Client Sample ID: JOP_G052&D
Matrix: GROUNDWATER
Collection Date: 05/03/2023 14:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/05/2023 13:00	205809

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Lab ID: 23041536-013 **Client Sample ID:** JOP_G053&D

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 16:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**35.75**	ft	1	05/03/2023 16:18	R328720
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**< 1.0**	NTU	1	05/03/2023 16:18	R328720
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**137**	mV	1	05/03/2023 16:18	R328720
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**645**	µS/cm	1	05/03/2023 16:18	R328720
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.7**	°C	1	05/03/2023 16:18	R328720
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.84**	mg/L	1	05/03/2023 16:18	R328720
SW-846 9040B FIELD									
pH	*	0	1.00		**6.48**		1	05/03/2023 16:18	R328720
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**170**	mg/L	1	05/04/2023 17:22	R328332
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/04/2023 17:22	R328332
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**314**	mg/L	1	05/08/2023 11:14	R328528
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**68**	mg/L	2	05/10/2023 17:40	R328607
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.71**	mg/L	1	05/09/2023 12:28	R328523
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**18**	mg/L	2	05/10/2023 17:40	R328580
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0100		**< 0.0100**	mg/L	1	05/13/2023 16:14	205805
Barium	NELAP	0.0007	0.0025		**0.102**	mg/L	1	05/13/2023 16:14	205805
Beryllium	NELAP	0.0002	0.0005		**< 0.0005**	mg/L	1	05/17/2023 10:29	205805
Boron	NELAP	0.0090	0.0200		**0.367**	mg/L	1	05/13/2023 16:14	205805
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/06/2023 7:16	205805
Calcium	NELAP	0.0350	0.100		**34.3**	mg/L	1	05/17/2023 10:29	205805
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	05/06/2023 7:16	205805
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	05/06/2023 7:16	205805
Lithium	NELAP	0.0019	0.0050		**< 0.0050**	mg/L	1	05/13/2023 16:14	205805
Magnesium	NELAP	0.0055	0.0500		**15.3**	mg/L	1	05/17/2023 10:29	205805
Molybdenum	NELAP	0.0037	0.0100		**< 0.0100**	mg/L	1	05/06/2023 7:16	205805
Potassium	NELAP	0.0400	0.100		**0.332**	mg/L	1	05/06/2023 7:16	205805
Sodium	NELAP	0.0180	0.0500		**53.1**	mg/L	1	05/06/2023 7:16	205805
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/05/2023 14:29	205805
Cobalt	NELAP	0.0001	0.0010		**0.0018**	mg/L	5	05/05/2023 14:29	205805
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/05/2023 14:29	205805
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/05/2023 14:29	205805

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23
Lab ID: 23041536-013
Client Sample ID: JOP_G053&D
Matrix: GROUNDWATER
Collection Date: 05/03/2023 16:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/05/2023 13:03	205809

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Lab ID: 23041536-014 **Client Sample ID:** JOP_G054&D

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 12:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**41.25**	ft	1	05/03/2023 12:18	R328720
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**4.1**	NTU	1	05/03/2023 12:18	R328720
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**42**	mV	1	05/03/2023 12:18	R328720
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1030**	µS/cm	1	05/03/2023 12:18	R328720
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.4**	°C	1	05/03/2023 12:18	R328720
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.68**	mg/L	1	05/03/2023 12:18	R328720
SW-846 9040B FIELD									
pH	*	0	1.00		**6.80**		1	05/03/2023 12:18	R328720
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**206**	mg/L	1	05/04/2023 17:27	R328332
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/04/2023 17:27	R328332
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**544**	mg/L	1	05/08/2023 11:49	R328528
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**194**	mg/L	10	05/10/2023 17:53	R328607
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.30**	mg/L	1	05/09/2023 12:30	R328523
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**22**	mg/L	1	05/10/2023 17:48	R328580
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0100		**< 0.0100**	mg/L	1	05/13/2023 15:18	205805
Barium	NELAP	0.0007	0.0025		**0.0794**	mg/L	1	05/13/2023 15:18	205805
Beryllium	NELAP	0.0002	0.0005		**< 0.0005**	mg/L	1	05/17/2023 10:30	205805
Boron	NELAP	0.0090	0.0200		**0.555**	mg/L	1	05/13/2023 15:18	205805
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/06/2023 7:20	205805
Calcium	NELAP	0.0350	0.100		**81.5**	mg/L	1	05/17/2023 10:30	205805
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	05/06/2023 7:20	205805
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	05/06/2023 7:20	205805
Lithium	NELAP	0.0019	0.0050		**< 0.0050**	mg/L	1	05/13/2023 15:18	205805
Magnesium	NELAP	0.0055	0.0500		**26.4**	mg/L	1	05/17/2023 10:30	205805
Molybdenum	NELAP	0.0037	0.0100		**< 0.0100**	mg/L	1	05/06/2023 7:20	205805
Potassium	NELAP	0.0400	0.100		**1.21**	mg/L	1	05/06/2023 7:20	205805
Sodium	NELAP	0.0180	0.0500		**57.0**	mg/L	1	05/06/2023 7:20	205805
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/05/2023 15:02	205805
Cobalt	NELAP	0.0001	0.0010		**0.0106**	mg/L	5	05/05/2023 15:02	205805
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/05/2023 15:02	205805
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/05/2023 15:02	205805

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Lab ID: 23041536-014 **Client Sample ID:** JOP_G054&D

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 12:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/05/2023 13:05	205809

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23
Lab ID: 23041536-015
Client Sample ID: JOP_XPW01_pore
Matrix: GROUNDWATER
Collection Date: 05/03/2023 10:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**13.93**	ft	1	05/03/2023 10:52	R328720

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23
Lab ID: 23041536-016
Client Sample ID: JOP_XPW02_pore
Matrix: GROUNDWATER
Collection Date: 05/03/2023 11:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**3.45**	ft	1	05/03/2023 11:15	R328720

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23
Lab ID: 23041536-017
Client Sample ID: JOP_XPW03_pore
Matrix: GROUNDWATER
Collection Date: 05/03/2023 11:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.03**	ft	1	05/03/2023 11:39	R328720

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23
Lab ID: 23041536-018
Client Sample ID: JOP_XSG01
Matrix: GROUNDWATER
Collection Date: 05/15/2023 10:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**2.39**	ft	1	05/15/2023 10:33	R328720

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23
Lab ID: 23041536-019
Client Sample ID: JOP_YSG02
Matrix: GROUNDWATER
Collection Date:

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**N/A**	ft	1	05/02/2023 0:00	R328720

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Lab ID: 23041536-020 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 05/03/2023 18:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/11/2023 10:01	R328650
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	05/11/2023 10:01	R328650
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	05/08/2023 11:50	R328528
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	05/10/2023 18:36	R328607
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	05/09/2023 12:52	R328523
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	05/10/2023 18:36	R328580
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0100		**< 0.0100**	mg/L	1	05/13/2023 15:33	205805
Barium	NELAP	0.0007	0.0025		**< 0.0025**	mg/L	1	05/13/2023 15:33	205805
Beryllium	NELAP	0.0002	0.0005		**< 0.0005**	mg/L	1	05/17/2023 15:01	205805
Boron	NELAP	0.0090	0.0200		**< 0.0200**	mg/L	1	05/17/2023 15:01	205805
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/06/2023 7:35	205805
Calcium	NELAP	0.035	0.10	J	**0.044**	mg/L	1	05/13/2023 15:33	205805
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	05/06/2023 7:35	205805
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	05/06/2023 7:35	205805
Lithium	NELAP	0.0019	0.0050		**< 0.0050**	mg/L	1	05/13/2023 15:33	205805
Magnesium	NELAP	0.0055	0.0500		**< 0.0500**	mg/L	1	05/13/2023 15:33	205805
Molybdenum	NELAP	0.0037	0.0100		**< 0.0100**	mg/L	1	05/06/2023 7:35	205805
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	05/06/2023 7:35	205805
Sodium	NELAP	0.018	0.050	J	**0.031**	mg/L	1	05/06/2023 7:35	205805
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	05/05/2023 15:27	205805
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	05/05/2023 15:27	205805
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	05/05/2023 15:27	205805
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	05/05/2023 15:27	205805
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/05/2023 13:19	205809

Sample Summary

Client: Ramboll
Client Project: JOP-23Q2

Work Order: 23041536
Report Date: 22-Jun-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23041536-001	JOP_G001&D	Groundwater	7	05/02/2023 9:26
23041536-002	JOP_G002&D	Groundwater	7	05/03/2023 8:49
23041536-003	JOP_G003	Groundwater	7	05/03/2023 8:08
23041536-004	JOP_G005	Groundwater	7	05/03/2023 17:01
23041536-005	JOP_G006	Groundwater	7	05/03/2023 17:35
23041536-006	JOP_G007	Groundwater	7	05/03/2023 18:12
23041536-007	JOP_G008	Groundwater	7	05/03/2023 15:45
23041536-008	JOP_G009	Groundwater	7	05/03/2023 13:13
23041536-009	JOP_G010	Groundwater	7	05/03/2023 15:12
23041536-010	JOP_G011	Groundwater	7	05/03/2023 10:10
23041536-011	JOP_G051&D	Groundwater	7	05/03/2023 9:28
23041536-012	JOP_G052&D	Groundwater	7	05/03/2023 14:08
23041536-013	JOP_G053&D	Groundwater	7	05/03/2023 16:18
23041536-014	JOP_G054&D	Groundwater	7	05/03/2023 12:18
23041536-015	JOP_XPW01_pore	Groundwater	7	05/03/2023 10:52
23041536-016	JOP_XPW02_pore	Groundwater	7	05/03/2023 11:15
23041536-017	JOP_XPW03_pore	Groundwater	7	05/03/2023 11:39
23041536-018	JOP_XSG01	Groundwater	1	05/15/2023 10:33
23041536-019	JOP_YSG02	Groundwater	1	
23041536-020	Field Blank	Aqueous	7	05/03/2023 18:45

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
23041536-001A	JOP_G001&D	05/02/2023 9:26	05/04/2023 8:10		
	Field Elevation Measurements				05/02/2023 9:26
	Standard Methods 2130 B Field				05/02/2023 9:26
	Standard Methods 18th Ed. 2580 B Field				05/02/2023 9:26
	Standard Methods 2320 B (Total) 1997, 2011				05/04/2023 16:38
	Standard Methods 2320 B 1997, 2011				05/04/2023 16:38
	Standard Methods 2510 B Field				05/02/2023 9:26
	Standard Methods 2540 C (Total) 1997, 2011				05/06/2023 10:14
	Standard Methods 2550 B Field				05/02/2023 9:26
	Standard Methods 4500-NO2 B (Total) 2000, 2011				05/05/2023 13:32
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 15:46
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 15:46
	Standard Methods 4500-O G Field				05/02/2023 9:26
	Standard Methods 4500-P E 1999				05/04/2023 20:46
	Standard Methods 4500-P E 1999, 2011				05/05/2023 12:46
	SW-846 9036 (Total)				05/10/2023 14:46
	SW-846 9040B Field				05/02/2023 9:26
	SW-846 9214 (Total)				05/09/2023 11:51
	SW-846 9251 (Total)				05/10/2023 14:47
23041536-001B	JOP_G001&D	05/02/2023 9:26	05/04/2023 8:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 16:50
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 16:50
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				05/05/2023 13:34
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 20:52
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 20:52
	Standard Methods 4500-P E (Dissolved) 1999, 2011				05/05/2023 12:02
	Standard Methods 4500-P E (Dissolved) 1999				05/04/2023 20:46
	SW-846 9036 (Dissolved)				05/08/2023 11:47
	SW-846 9251 (Dissolved)				05/08/2023 11:48
23041536-001C	JOP_G001&D	05/02/2023 9:26	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/06/2023 5:47
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 13:53
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/05/2023 12:28
	SW-846 7470A (Total)			05/05/2023 8:10	05/05/2023 12:26
23041536-001D	JOP_G001&D	05/02/2023 9:26	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 9:53
23041536-001E	JOP_G001&D	05/02/2023 9:26	05/04/2023 8:10		

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 9060				05/09/2023 21:30
23041536-001F	JOP_G001&D	05/02/2023 9:26	05/04/2023 8:10		
	SW-846 9060				05/09/2023 12:02
23041536-001G	JOP_G001&D	05/02/2023 9:26	05/04/2023 8:10		
	Ferrous Iron by CHEMets Kit				05/02/2023 9:26
23041536-002A	JOP_G002&D	05/03/2023 8:49	05/04/2023 8:10		
	Field Elevation Measurements				05/03/2023 8:49
	Standard Methods 2130 B Field				05/03/2023 8:49
	Standard Methods 18th Ed. 2580 B Field				05/03/2023 8:49
	Standard Methods 2320 B (Total) 1997, 2011				05/04/2023 16:48
	Standard Methods 2320 B 1997, 2011				05/04/2023 16:48
	Standard Methods 2510 B Field				05/03/2023 8:49
	Standard Methods 2540 C (Total) 1997, 2011				05/08/2023 10:24
	Standard Methods 2550 B Field				05/03/2023 8:49
	Standard Methods 4500-NO2 B (Total) 2000, 2011				05/05/2023 7:52
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:02
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:02
	Standard Methods 4500-O G Field				05/03/2023 8:49
	Standard Methods 4500-P E 1999				05/04/2023 20:46
	Standard Methods 4500-P E 1999, 2011				05/04/2023 20:48
	SW-846 9036 (Total)				05/10/2023 14:55
	SW-846 9040B Field				05/03/2023 8:49
	SW-846 9214 (Total)				05/09/2023 11:53
	SW-846 9251 (Total)				05/10/2023 14:55
23041536-002B	JOP_G002&D	05/03/2023 8:49	05/04/2023 8:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 14:33
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 14:33
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				05/05/2023 7:52
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 20:54
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 20:54
	Standard Methods 4500-P E (Dissolved) 1999, 2011				05/12/2023 15:02
	Standard Methods 4500-P E (Dissolved) 1999				05/12/2023 14:57
	SW-846 9036 (Dissolved)				05/08/2023 11:58
	SW-846 9251 (Dissolved)				05/08/2023 11:58
23041536-002C	JOP_G002&D	05/03/2023 8:49	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/06/2023 5:51
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 13:56

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/05/2023 12:35
	SW-846 7470A (Total)			05/05/2023 8:10	05/05/2023 12:28
23041536-002D	JOP_G002&D	05/03/2023 8:49	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 9:54
23041536-002E	JOP_G002&D	05/03/2023 8:49	05/04/2023 8:10		
	SW-846 9060				05/09/2023 21:49
23041536-002F	JOP_G002&D	05/03/2023 8:49	05/04/2023 8:10		
	SW-846 9060				05/09/2023 12:52
23041536-002G	JOP_G002&D	05/03/2023 8:49	05/04/2023 8:10		
	Ferrous Iron by CHEMets Kit				05/03/2023 8:49
23041536-003A	JOP_G003	05/03/2023 8:08	05/04/2023 8:10		
	Field Elevation Measurements				05/03/2023 8:08
	Standard Methods 2130 B Field				05/03/2023 8:08
	Standard Methods 18th Ed. 2580 B Field				05/03/2023 8:08
	Standard Methods 2320 B (Total) 1997, 2011				05/04/2023 16:52
	Standard Methods 2320 B 1997, 2011				05/04/2023 16:52
	Standard Methods 2510 B Field				05/03/2023 8:08
	Standard Methods 2540 C (Total) 1997, 2011				05/08/2023 10:24
	Standard Methods 2550 B Field				05/03/2023 8:08
	Standard Methods 4500-NO2 B (Total) 2000, 2011				05/04/2023 20:51
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:04
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:04
	Standard Methods 4500-O G Field				05/03/2023 8:08
	Standard Methods 4500-P E 1999				05/04/2023 15:58
	Standard Methods 4500-P E 1999, 2011				05/04/2023 18:43
	SW-846 9036 (Total)				05/10/2023 15:16
	SW-846 9040B Field				05/03/2023 8:08
	SW-846 9214 (Total)				05/09/2023 11:55
	SW-846 9251 (Total)				05/10/2023 15:05
23041536-003B	JOP_G003	05/03/2023 8:08	05/04/2023 8:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 14:38
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 14:38
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				05/05/2023 7:52
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 20:57
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 20:57
	Standard Methods 4500-P E (Dissolved) 1999, 2011				05/04/2023 19:29
	Standard Methods 4500-P E (Dissolved) 1999				05/04/2023 15:58

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 9036 (Dissolved)				05/10/2023 11:19
	SW-846 9251 (Dissolved)				05/08/2023 12:19
23041536-003C	JOP_G003	05/03/2023 8:08	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/06/2023 5:55
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 14:00
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/05/2023 13:32
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/08/2023 15:31
	SW-846 7470A (Total)			05/05/2023 8:10	05/05/2023 12:31
23041536-003D	JOP_G003	05/03/2023 8:08	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 10:17
23041536-003E	JOP_G003	05/03/2023 8:08	05/04/2023 8:10		
	SW-846 9060				05/09/2023 22:27
23041536-003F	JOP_G003	05/03/2023 8:08	05/04/2023 8:10		
	SW-846 9060				05/09/2023 12:59
23041536-003G	JOP_G003	05/03/2023 8:08	05/04/2023 8:10		
	Ferrous Iron by CHEMets Kit				05/03/2023 8:08
23041536-004A	JOP_G005	05/03/2023 17:01	05/04/2023 8:10		
	Field Elevation Measurements				05/03/2023 17:01
	Standard Methods 2130 B Field				05/03/2023 17:01
	Standard Methods 18th Ed. 2580 B Field				05/03/2023 17:01
	Standard Methods 2320 B (Total) 1997, 2011				05/11/2023 9:03
	Standard Methods 2320 B 1997, 2011				05/11/2023 9:03
	Standard Methods 2510 B Field				05/03/2023 17:01
	Standard Methods 2540 C (Total) 1997, 2011				05/08/2023 11:12
	Standard Methods 2550 B Field				05/03/2023 17:01
	Standard Methods 4500-NO2 B (Total) 2000, 2011				05/05/2023 13:32
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:06
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:06
	Standard Methods 4500-O G Field				05/03/2023 17:01
	Standard Methods 4500-P E 1999				05/04/2023 20:46
	Standard Methods 4500-P E 1999, 2011				05/05/2023 12:47
	SW-846 9036 (Total)				05/10/2023 15:48
	SW-846 9040B Field				05/03/2023 17:01
	SW-846 9214 (Total)				05/09/2023 11:56
	SW-846 9251 (Total)				05/10/2023 15:43
23041536-004B	JOP_G005	05/03/2023 17:01	05/04/2023 8:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 16:02

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 16:02
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				05/05/2023 14:08
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 17:12
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 17:12
	Standard Methods 4500-P E (Dissolved) 1999, 2011				05/05/2023 14:01
	Standard Methods 4500-P E (Dissolved) 1999				05/04/2023 20:46
	SW-846 9036 (Dissolved)				05/08/2023 12:49
	SW-846 9251 (Dissolved)				05/08/2023 12:43
23041536-004C	JOP_G005	05/03/2023 17:01	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/06/2023 5:59
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 14:04
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/05/2023 13:39
	SW-846 7470A (Total)			05/05/2023 8:10	05/05/2023 12:33
23041536-004D	JOP_G005	05/03/2023 17:01	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 10:18
23041536-004E	JOP_G005	05/03/2023 17:01	05/04/2023 8:10		
	SW-846 9060				05/09/2023 22:33
23041536-004F	JOP_G005	05/03/2023 17:01	05/04/2023 8:10		
	SW-846 9060				05/09/2023 13:05
23041536-004G	JOP_G005	05/03/2023 17:01	05/04/2023 8:10		
	Ferrous Iron by CHEMets Kit				05/03/2023 17:01
23041536-005A	JOP_G006	05/03/2023 17:35	05/04/2023 8:10		
	Field Elevation Measurements				05/03/2023 17:35
	Standard Methods 2130 B Field				05/03/2023 17:35
	Standard Methods 18th Ed. 2580 B Field				05/03/2023 17:35
	Standard Methods 2320 B (Total) 1997, 2011				05/04/2023 16:56
	Standard Methods 2320 B 1997, 2011				05/04/2023 16:56
	Standard Methods 2510 B Field				05/03/2023 17:35
	Standard Methods 2540 C (Total) 1997, 2011				05/08/2023 11:12
	Standard Methods 2550 B Field				05/03/2023 17:35
	Standard Methods 4500-NO2 B (Total) 2000, 2011				05/05/2023 13:33
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:15
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:15
	Standard Methods 4500-O G Field				05/03/2023 17:35
	Standard Methods 4500-P E 1999				05/04/2023 20:46
	Standard Methods 4500-P E 1999, 2011				05/05/2023 12:49
	SW-846 9036 (Total)				05/10/2023 15:56

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 9040B Field				05/03/2023 17:35
	SW-846 9214 (Total)				05/09/2023 11:59
	SW-846 9251 (Total)				05/10/2023 15:51
23041536-005B	JOP_G006	05/03/2023 17:35	05/04/2023 8:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 16:19
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 16:19
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				05/05/2023 14:08
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 17:14
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 17:14
	Standard Methods 4500-P E (Dissolved) 1999, 2011				05/05/2023 14:01
	Standard Methods 4500-P E (Dissolved) 1999				05/04/2023 20:46
	SW-846 9036 (Dissolved)				05/08/2023 12:57
	SW-846 9251 (Dissolved)				05/08/2023 12:51
23041536-005C	JOP_G006	05/03/2023 17:35	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/06/2023 6:25
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/15/2023 12:35
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/05/2023 15:33
	SW-846 7470A (Total)			05/05/2023 8:10	05/05/2023 12:35
23041536-005D	JOP_G006	05/03/2023 17:35	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 10:20
23041536-005E	JOP_G006	05/03/2023 17:35	05/04/2023 8:10		
	SW-846 9060				05/09/2023 22:40
23041536-005F	JOP_G006	05/03/2023 17:35	05/04/2023 8:10		
	SW-846 9060				05/09/2023 13:11
23041536-005G	JOP_G006	05/03/2023 17:35	05/04/2023 8:10		
	Ferrous Iron by CHEMets Kit				05/03/2023 17:35
23041536-006A	JOP_G007	05/03/2023 18:12	05/04/2023 8:10		
	Field Elevation Measurements				05/03/2023 18:12
	Standard Methods 2130 B Field				05/03/2023 18:12
	Standard Methods 18th Ed. 2580 B Field				05/03/2023 18:12
	Standard Methods 2320 B (Total) 1997, 2011				05/11/2023 9:08
	Standard Methods 2320 B 1997, 2011				05/11/2023 9:08
	Standard Methods 2510 B Field				05/03/2023 18:12
	Standard Methods 2540 C (Total) 1997, 2011				05/08/2023 11:12
	Standard Methods 2550 B Field				05/03/2023 18:12
	Standard Methods 4500-NO2 B (Total) 2000, 2011				05/05/2023 13:33
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:17

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:17
	Standard Methods 4500-O G Field				05/03/2023 18:12
	Standard Methods 4500-P E 1999				05/04/2023 20:46
	Standard Methods 4500-P E 1999, 2011				05/05/2023 12:50
	SW-846 9036 (Total)				05/10/2023 16:04
	SW-846 9040B Field				05/03/2023 18:12
	SW-846 9214 (Total)				05/09/2023 12:00
	SW-846 9251 (Total)				05/10/2023 15:59
23041536-006B	JOP_G007	05/03/2023 18:12	05/04/2023 8:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 16:24
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 16:24
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				05/05/2023 14:08
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 17:17
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 17:17
	Standard Methods 4500-P E (Dissolved) 1999, 2011				05/05/2023 14:02
	Standard Methods 4500-P E (Dissolved) 1999				05/04/2023 20:46
	SW-846 9036 (Dissolved)				05/08/2023 13:04
	SW-846 9251 (Dissolved)				05/08/2023 12:59
23041536-006C	JOP_G007	05/03/2023 18:12	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/06/2023 6:02
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 14:07
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/05/2023 13:45
	SW-846 7470A (Total)			05/05/2023 8:10	05/05/2023 12:37
23041536-006D	JOP_G007	05/03/2023 18:12	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 10:25
23041536-006E	JOP_G007	05/03/2023 18:12	05/04/2023 8:10		
	SW-846 9060				05/09/2023 22:46
23041536-006F	JOP_G007	05/03/2023 18:12	05/04/2023 8:10		
	SW-846 9060				05/09/2023 13:18
23041536-006G	JOP_G007	05/03/2023 18:12	05/04/2023 8:10		
	Ferrous Iron by CHEMets Kit				05/03/2023 18:12
23041536-007A	JOP_G008	05/03/2023 15:45	05/04/2023 8:10		
	Field Elevation Measurements				05/03/2023 15:45
	Standard Methods 2130 B Field				05/03/2023 15:45
	Standard Methods 18th Ed. 2580 B Field				05/03/2023 15:45
	Standard Methods 2320 B (Total) 1997, 2011				05/04/2023 17:08
	Standard Methods 2320 B 1997, 2011				05/04/2023 17:08

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 2510 B Field				05/03/2023 15:45
	Standard Methods 2540 C (Total) 1997, 2011				05/09/2023 12:36
	Standard Methods 2550 B Field				05/03/2023 15:45
	Standard Methods 4500-NO2 B (Total) 2000, 2011				05/05/2023 13:33
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:19
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:19
	Standard Methods 4500-O G Field				05/03/2023 15:45
	Standard Methods 4500-P E 1999				05/04/2023 20:46
	Standard Methods 4500-P E 1999, 2011				05/05/2023 12:50
	SW-846 9036 (Total)				05/10/2023 16:12
	SW-846 9040B Field				05/03/2023 15:45
	SW-846 9214 (Total)				05/09/2023 12:02
	SW-846 9251 (Total)				05/10/2023 16:07
23041536-007B	JOP_G008	05/03/2023 15:45	05/04/2023 8:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 16:29
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 16:29
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				05/05/2023 14:07
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 17:19
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 17:19
	Standard Methods 4500-P E (Dissolved) 1999, 2011				05/05/2023 14:03
	Standard Methods 4500-P E (Dissolved) 1999				05/04/2023 20:46
	SW-846 9036 (Dissolved)				05/08/2023 13:12
	SW-846 9251 (Dissolved)				05/08/2023 13:07
23041536-007C	JOP_G008	05/03/2023 15:45	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/06/2023 6:36
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 14:11
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/05/2023 13:51
	SW-846 7470A (Total)			05/05/2023 8:10	05/05/2023 12:40
23041536-007D	JOP_G008	05/03/2023 15:45	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 10:26
23041536-007E	JOP_G008	05/03/2023 15:45	05/04/2023 8:10		
	SW-846 9060				05/09/2023 22:52
23041536-007F	JOP_G008	05/03/2023 15:45	05/04/2023 8:10		
	SW-846 9060				05/09/2023 13:24
23041536-007G	JOP_G008	05/03/2023 15:45	05/04/2023 8:10		
	Ferrous Iron by CHEMets Kit				05/03/2023 15:45
23041536-008A	JOP_G009	05/03/2023 13:13	05/04/2023 8:10		

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Field Elevation Measurements				05/03/2023 13:13
	Standard Methods 2130 B Field				05/03/2023 13:13
	Standard Methods 18th Ed. 2580 B Field				05/03/2023 13:13
	Standard Methods 2320 B (Total) 1997, 2011				05/04/2023 17:12
	Standard Methods 2320 B 1997, 2011				05/04/2023 17:12
	Standard Methods 2510 B Field				05/03/2023 13:13
	Standard Methods 2540 C (Total) 1997, 2011				05/19/2023 12:38
	Standard Methods 2550 B Field				05/03/2023 13:13
	Standard Methods 4500-NO2 B (Total) 2000, 2011				05/05/2023 12:47
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:22
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:22
	Standard Methods 4500-O G Field				05/03/2023 13:13
	Standard Methods 4500-P E 1999				05/04/2023 20:46
	Standard Methods 4500-P E 1999, 2011				05/05/2023 12:51
	SW-846 9036 (Total)				05/10/2023 16:33
	SW-846 9040B Field				05/03/2023 13:13
	SW-846 9214 (Total)				05/09/2023 12:13
	SW-846 9251 (Total)				05/10/2023 16:15
23041536-008B	JOP_G009	05/03/2023 13:13	05/04/2023 8:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 16:45
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 16:45
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				05/05/2023 12:48
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 17:21
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 17:21
	Standard Methods 4500-P E (Dissolved) 1999, 2011				05/05/2023 12:00
	Standard Methods 4500-P E (Dissolved) 1999				05/04/2023 20:46
	SW-846 9036 (Dissolved)				05/08/2023 13:20
	SW-846 9251 (Dissolved)				05/08/2023 13:15
23041536-008C	JOP_G009	05/03/2023 13:13	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/06/2023 6:39
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 14:41
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/05/2023 13:58
	SW-846 7470A (Total)			05/05/2023 8:10	05/05/2023 12:42
23041536-008D	JOP_G009	05/03/2023 13:13	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 10:28
23041536-008E	JOP_G009	05/03/2023 13:13	05/04/2023 8:10		
	SW-846 9060				05/09/2023 22:59

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
23041536-008F	JOP_G009	05/03/2023 13:13	05/04/2023 8:10		
	SW-846 9060				05/09/2023 13:30
23041536-008G	JOP_G009	05/03/2023 13:13	05/04/2023 8:10		
	Ferrous Iron by CHEMets Kit				05/03/2023 13:13
23041536-009A	JOP_G010	05/03/2023 15:12	05/04/2023 8:10		
	Field Elevation Measurements				05/03/2023 15:12
	Standard Methods 2130 B Field				05/03/2023 15:12
	Standard Methods 18th Ed. 2580 B Field				05/03/2023 15:12
	Standard Methods 2320 B (Total) 1997, 2011				05/11/2023 9:14
	Standard Methods 2320 B 1997, 2011				05/11/2023 9:14
	Standard Methods 2510 B Field				05/03/2023 15:12
	Standard Methods 2540 C (Total) 1997, 2011				05/08/2023 11:13
	Standard Methods 2550 B Field				05/03/2023 15:12
	Standard Methods 4500-NO2 B (Total) 2000, 2011				05/05/2023 13:34
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:24
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:24
	Standard Methods 4500-O G Field				05/03/2023 15:12
	Standard Methods 4500-P E 1999				05/04/2023 20:46
	Standard Methods 4500-P E 1999, 2011				05/05/2023 12:51
	SW-846 9036 (Total)				05/10/2023 16:41
	SW-846 9040B Field				05/03/2023 15:12
	SW-846 9214 (Total)				05/09/2023 12:15
	SW-846 9251 (Total)				05/10/2023 16:36
23041536-009B	JOP_G010	05/03/2023 15:12	05/04/2023 8:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 16:34
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 16:34
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				05/05/2023 13:34
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 15:24
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 15:24
	Standard Methods 4500-P E (Dissolved) 1999, 2011				05/05/2023 12:00
	Standard Methods 4500-P E (Dissolved) 1999				05/04/2023 20:46
	SW-846 9036 (Dissolved)				05/08/2023 13:44
	SW-846 9251 (Dissolved)				05/08/2023 13:39
23041536-009C	JOP_G010	05/03/2023 15:12	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/06/2023 6:43
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 14:45
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/05/2023 14:04

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 7470A (Total)			05/05/2023 8:10	05/05/2023 12:53
23041536-009D	JOP_G010	05/03/2023 15:12	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 10:59
23041536-009E	JOP_G010	05/03/2023 15:12	05/04/2023 8:10		
	SW-846 9060				05/09/2023 23:05
23041536-009F	JOP_G010	05/03/2023 15:12	05/04/2023 8:10		
	SW-846 9060				05/09/2023 13:37
23041536-009G	JOP_G010	05/03/2023 15:12	05/04/2023 8:10		
	Ferrous Iron by CHEMets Kit				05/03/2023 15:12
23041536-010A	JOP_G011	05/03/2023 10:10	05/04/2023 8:10		
	Field Elevation Measurements				05/03/2023 10:10
	Standard Methods 2130 B Field				05/03/2023 10:10
	Standard Methods 18th Ed. 2580 B Field				05/03/2023 10:10
	Standard Methods 2320 B (Total) 1997, 2011				05/05/2023 15:40
	Standard Methods 2320 B 1997, 2011				05/05/2023 15:40
	Standard Methods 2510 B Field				05/03/2023 10:10
	Standard Methods 2540 C (Total) 1997, 2011				05/08/2023 11:14
	Standard Methods 2550 B Field				05/03/2023 10:10
	Standard Methods 4500-NO2 B (Total) 2000, 2011				05/04/2023 20:51
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/05/2023 0:00
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/05/2023 9:44
	Standard Methods 4500-O G Field				05/03/2023 10:10
	Standard Methods 4500-P E 1999				05/04/2023 15:58
	Standard Methods 4500-P E 1999, 2011				05/04/2023 18:44
	SW-846 9036 (Total)				05/10/2023 16:49
	SW-846 9040B Field				05/03/2023 10:10
	SW-846 9214 (Total)				05/09/2023 12:16
	SW-846 9251 (Total)				05/10/2023 16:44
23041536-010B	JOP_G011	05/03/2023 10:10	05/04/2023 8:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 14:49
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 14:49
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				05/04/2023 20:55
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 21:05
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 21:05
	Standard Methods 4500-P E (Dissolved) 1999, 2011				05/04/2023 19:29
	Standard Methods 4500-P E (Dissolved) 1999				05/04/2023 15:58
	SW-846 9036 (Dissolved)				05/08/2023 13:53

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 9251 (Dissolved)				05/08/2023 13:47
23041536-010C	JOP_G011	05/03/2023 10:10	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/06/2023 6:47
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 14:48
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/05/2023 14:10
	SW-846 7470A (Total)			05/05/2023 8:10	05/05/2023 12:56
23041536-010D	JOP_G011	05/03/2023 10:10	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 11:00
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 16:04
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/08/2023 17:45
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			05/04/2023 19:52	05/05/2023 10:40
23041536-010E	JOP_G011	05/03/2023 10:10	05/04/2023 8:10		
	SW-846 9060				05/09/2023 23:11
23041536-010F	JOP_G011	05/03/2023 10:10	05/04/2023 8:10		
	SW-846 9060				05/09/2023 13:43
23041536-010G	JOP_G011	05/03/2023 10:10	05/04/2023 8:10		
	Ferrous Iron by CHEMets Kit				05/03/2023 10:10
23041536-011A	JOP_G051&D	05/03/2023 9:28	05/04/2023 8:10		
	Field Elevation Measurements				05/03/2023 9:28
	Standard Methods 2130 B Field				05/03/2023 9:28
	Standard Methods 18th Ed. 2580 B Field				05/03/2023 9:28
	Standard Methods 2320 B (Total) 1997, 2011				05/04/2023 17:17
	Standard Methods 2320 B 1997, 2011				05/04/2023 17:17
	Standard Methods 2510 B Field				05/03/2023 9:28
	Standard Methods 2540 C (Total) 1997, 2011				05/08/2023 11:14
	Standard Methods 2550 B Field				05/03/2023 9:28
	Standard Methods 4500-NO2 B (Total) 2000, 2011				05/04/2023 20:53
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:41
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:41
	Standard Methods 4500-O G Field				05/03/2023 9:28
	Standard Methods 4500-P E 1999				05/04/2023 15:58
	Standard Methods 4500-P E 1999, 2011				05/04/2023 18:44
	SW-846 9036 (Total)				05/10/2023 16:55
	SW-846 9040B Field				05/03/2023 9:28
	SW-846 9214 (Total)				05/09/2023 12:18
	SW-846 9251 (Total)				05/10/2023 16:55
23041536-011B	JOP_G051&D	05/03/2023 9:28	05/04/2023 8:10		

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 14:54
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 14:54
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				05/04/2023 20:56
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 17:25
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 17:25
	Standard Methods 4500-P E (Dissolved) 1999, 2011				05/04/2023 19:30
	Standard Methods 4500-P E (Dissolved) 1999				05/04/2023 15:58
	SW-846 9036 (Dissolved)				05/10/2023 11:27
	SW-846 9251 (Dissolved)				05/08/2023 15:42
23041536-011C	JOP_G051&D	05/03/2023 9:28	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/06/2023 6:50
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 14:52
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/05/2023 14:17
	SW-846 7470A (Total)			05/05/2023 8:10	05/05/2023 12:58
23041536-011D	JOP_G051&D	05/03/2023 9:28	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 11:02
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			05/04/2023 19:52	05/05/2023 10:46
23041536-011E	JOP_G051&D	05/03/2023 9:28	05/04/2023 8:10		
	SW-846 9060				05/12/2023 11:48
23041536-011F	JOP_G051&D	05/03/2023 9:28	05/04/2023 8:10		
	SW-846 9060				05/12/2023 10:32
23041536-011G	JOP_G051&D	05/03/2023 9:28	05/04/2023 8:10		
	Ferrous Iron by CHEMets Kit				05/03/2023 9:28
23041536-012A	JOP_G052&D	05/03/2023 14:08	05/04/2023 8:10		
	Field Elevation Measurements				05/03/2023 14:08
	Standard Methods 2130 B Field				05/03/2023 14:08
	Standard Methods 18th Ed. 2580 B Field				05/03/2023 14:08
	Standard Methods 2320 B (Total) 1997, 2011				05/11/2023 9:19
	Standard Methods 2320 B 1997, 2011				05/11/2023 9:19
	Standard Methods 2510 B Field				05/03/2023 14:08
	Standard Methods 2540 C (Total) 1997, 2011				05/08/2023 11:14
	Standard Methods 2550 B Field				05/03/2023 14:08
	Standard Methods 4500-NO2 B (Total) 2000, 2011				05/05/2023 14:02
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/05/2023 9:48
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/05/2023 9:48
	Standard Methods 4500-O G Field				05/03/2023 14:08
	Standard Methods 4500-P E 1999				05/04/2023 20:46

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 4500-P E 1999, 2011				05/05/2023 13:31
	SW-846 9036 (Total)				05/10/2023 17:37
	SW-846 9040B Field				05/03/2023 14:08
	SW-846 9214 (Total)				05/09/2023 12:26
	SW-846 9251 (Total)				05/10/2023 17:32
23041536-012B	JOP_G052&D	05/03/2023 14:08	05/04/2023 8:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/11/2023 9:23
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/11/2023 9:23
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				05/05/2023 13:32
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 21:08
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 21:08
	Standard Methods 4500-P E (Dissolved) 1999, 2011				05/05/2023 13:34
	Standard Methods 4500-P E (Dissolved) 1999				05/04/2023 20:46
	SW-846 9036 (Dissolved)				05/08/2023 13:59
	SW-846 9251 (Dissolved)				05/08/2023 13:55
23041536-012C	JOP_G052&D	05/03/2023 14:08	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/06/2023 7:13
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 16:10
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/17/2023 10:29
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/05/2023 14:23
	SW-846 7470A (Total)			05/05/2023 8:10	05/05/2023 13:00
23041536-012D	JOP_G052&D	05/03/2023 14:08	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 11:03
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 16:06
23041536-012E	JOP_G052&D	05/03/2023 14:08	05/04/2023 8:10		
	SW-846 9060				05/09/2023 23:24
23041536-012F	JOP_G052&D	05/03/2023 14:08	05/04/2023 8:10		
	SW-846 9060				05/12/2023 11:10
23041536-012G	JOP_G052&D	05/03/2023 14:08	05/04/2023 8:10		
	Ferrous Iron by CHEMets Kit				05/03/2023 14:08
23041536-013A	JOP_G053&D	05/03/2023 16:18	05/04/2023 8:10		
	Field Elevation Measurements				05/03/2023 16:18
	Standard Methods 2130 B Field				05/03/2023 16:18
	Standard Methods 18th Ed. 2580 B Field				05/03/2023 16:18
	Standard Methods 2320 B (Total) 1997, 2011				05/04/2023 17:22
	Standard Methods 2320 B 1997, 2011				05/04/2023 17:22
	Standard Methods 2510 B Field				05/03/2023 16:18

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 2540 C (Total) 1997, 2011				05/08/2023 11:14
	Standard Methods 2550 B Field				05/03/2023 16:18
	Standard Methods 4500-NO2 B (Total) 2000, 2011				05/05/2023 14:09
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/05/2023 10:36
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/05/2023 10:36
	Standard Methods 4500-O G Field				05/03/2023 16:18
	Standard Methods 4500-P E 1999				05/04/2023 20:46
	Standard Methods 4500-P E 1999, 2011				05/05/2023 13:32
	SW-846 9036 (Total)				05/10/2023 17:40
	SW-846 9040B Field				05/03/2023 16:18
	SW-846 9214 (Total)				05/09/2023 12:28
	SW-846 9251 (Total)				05/10/2023 17:40
23041536-013B	JOP_G053&D	05/03/2023 16:18	05/04/2023 8:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 16:40
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 16:40
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				05/05/2023 14:08
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 15:40
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 15:40
	Standard Methods 4500-P E (Dissolved) 1999, 2011				05/05/2023 13:33
	Standard Methods 4500-P E (Dissolved) 1999				05/04/2023 20:46
	SW-846 9036 (Dissolved)				05/10/2023 11:51
	SW-846 9251 (Dissolved)				05/08/2023 14:06
23041536-013C	JOP_G053&D	05/03/2023 16:18	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/06/2023 7:16
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 16:14
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/17/2023 10:29
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/05/2023 14:29
	SW-846 7470A (Total)			05/05/2023 8:10	05/05/2023 13:03
23041536-013D	JOP_G053&D	05/03/2023 16:18	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 11:05
23041536-013E	JOP_G053&D	05/03/2023 16:18	05/04/2023 8:10		
	SW-846 9060				05/10/2023 0:02
23041536-013F	JOP_G053&D	05/03/2023 16:18	05/04/2023 8:10		
	SW-846 9060				05/09/2023 16:26
23041536-013G	JOP_G053&D	05/03/2023 16:18	05/04/2023 8:10		
	Ferrous Iron by CHEMets Kit				05/03/2023 16:18
23041536-014A	JOP_G054&D	05/03/2023 12:18	05/04/2023 8:10		

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Field Elevation Measurements				05/03/2023 12:18
	Standard Methods 2130 B Field				05/03/2023 12:18
	Standard Methods 18th Ed. 2580 B Field				05/03/2023 12:18
	Standard Methods 2320 B (Total) 1997, 2011				05/04/2023 17:27
	Standard Methods 2320 B 1997, 2011				05/04/2023 17:27
	Standard Methods 2510 B Field				05/03/2023 12:18
	Standard Methods 2540 C (Total) 1997, 2011				05/08/2023 11:49
	Standard Methods 2550 B Field				05/03/2023 12:18
	Standard Methods 4500-NO2 B (Total) 2000, 2011				05/05/2023 12:00
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:55
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:55
	Standard Methods 4500-O G Field				05/03/2023 12:18
	Standard Methods 4500-P E 1999				05/04/2023 20:46
	Standard Methods 4500-P E 1999, 2011				05/05/2023 11:56
	SW-846 9036 (Total)				05/10/2023 17:53
	SW-846 9040B Field				05/03/2023 12:18
	SW-846 9214 (Total)				05/09/2023 12:30
	SW-846 9251 (Total)				05/10/2023 17:48
23041536-014B	JOP_G054&D	05/03/2023 12:18	05/04/2023 8:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 15:16
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 15:16
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				05/05/2023 12:02
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 15:42
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 15:42
	Standard Methods 4500-P E (Dissolved) 1999, 2011				05/05/2023 11:57
	Standard Methods 4500-P E (Dissolved) 1999				05/04/2023 20:46
	SW-846 9036 (Dissolved)				05/08/2023 14:48
	SW-846 9251 (Dissolved)				05/08/2023 14:43
23041536-014C	JOP_G054&D	05/03/2023 12:18	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/06/2023 7:20
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 15:18
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/17/2023 10:30
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/05/2023 15:02
	SW-846 7470A (Total)			05/05/2023 8:10	05/05/2023 13:05
23041536-014D	JOP_G054&D	05/03/2023 12:18	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 11:06
23041536-014E	JOP_G054&D	05/03/2023 12:18	05/04/2023 8:10		

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 9060				05/10/2023 0:21
23041536-014F	JOP_G054&D	05/03/2023 12:18	05/04/2023 8:10		
	SW-846 9060				05/09/2023 16:32
23041536-014G	JOP_G054&D	05/03/2023 12:18	05/04/2023 8:10		
	Ferrous Iron by CHEMets Kit				05/03/2023 12:18
23041536-015A	JOP_XPW01_pore	05/03/2023 10:52	05/04/2023 8:10		
	Field Elevation Measurements				05/03/2023 10:52
	Standard Methods 2130 B Field				05/03/2023 10:52
	Standard Methods 18th Ed. 2580 B Field				05/03/2023 10:52
	Standard Methods 2320 B (Total) 1997, 2011				05/04/2023 17:33
	Standard Methods 2320 B 1997, 2011				05/04/2023 17:33
	Standard Methods 2510 B Field				05/03/2023 10:52
	Standard Methods 2540 C (Total) 1997, 2011				05/08/2023 11:49
	Standard Methods 2550 B Field				05/03/2023 10:52
	Standard Methods 4500-NO2 B (Total) 2000, 2011				05/04/2023 20:54
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:57
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 16:57
	Standard Methods 4500-O G Field				05/03/2023 10:52
	Standard Methods 4500-P E 1999				05/04/2023 15:58
	Standard Methods 4500-P E 1999, 2011				05/04/2023 18:45
	SW-846 9036 (Total)				05/10/2023 18:01
	SW-846 9040B Field				05/03/2023 10:52
	SW-846 9214 (Total)				05/09/2023 12:32
	SW-846 9251 (Total)				05/10/2023 17:56
23041536-015B	JOP_XPW01_pore	05/03/2023 10:52	05/04/2023 8:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 15:21
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 15:21
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				05/04/2023 20:57
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 15:44
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 15:44
	Standard Methods 4500-P E (Dissolved) 1999, 2011				05/04/2023 19:31
	Standard Methods 4500-P E (Dissolved) 1999				05/04/2023 15:58
	SW-846 9036 (Dissolved)				05/08/2023 14:56
	SW-846 9251 (Dissolved)				05/08/2023 14:51
23041536-015C	JOP_XPW01_pore	05/03/2023 10:52	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/06/2023 7:24
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 15:22

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 15:55
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/17/2023 10:31
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/17/2023 14:30
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/05/2023 15:08
	SW-846 7470A (Total)			05/05/2023 8:10	05/05/2023 13:07
23041536-015D	JOP_XPW01_pore	05/03/2023 10:52	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 11:24
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/08/2023 17:54
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			05/04/2023 19:52	05/08/2023 15:37
23041536-015E	JOP_XPW01_pore	05/03/2023 10:52	05/04/2023 8:10		
	SW-846 9060				05/10/2023 0:27
23041536-015F	JOP_XPW01_pore	05/03/2023 10:52	05/04/2023 8:10		
	SW-846 9060				05/09/2023 16:39
23041536-015G	JOP_XPW01_pore	05/03/2023 10:52	05/04/2023 8:10		
	Ferrous Iron by CHEMets Kit				05/03/2023 10:52
23041536-016A	JOP_XPW02_pore	05/03/2023 11:15	05/04/2023 8:10		
	Field Elevation Measurements				05/03/2023 11:15
	Standard Methods 2130 B Field				05/03/2023 11:15
	Standard Methods 18th Ed. 2580 B Field				05/03/2023 11:15
	Standard Methods 2320 B (Total) 1997, 2011				05/05/2023 15:44
	Standard Methods 2320 B 1997, 2011				05/05/2023 15:44
	Standard Methods 2510 B Field				05/03/2023 11:15
	Standard Methods 2540 C (Total) 1997, 2011				05/08/2023 11:50
	Standard Methods 2550 B Field				05/03/2023 11:15
	Standard Methods 4500-NO2 B (Total) 2000, 2011				05/05/2023 10:08
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 21:30
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 21:30
	Standard Methods 4500-O G Field				05/03/2023 11:15
	Standard Methods 4500-P E 1999				05/12/2023 14:57
	Standard Methods 4500-P E 1999, 2011				05/12/2023 15:07
	SW-846 9036 (Total)				05/11/2023 10:32
	SW-846 9040B Field				05/03/2023 11:15
	SW-846 9214 (Total)				05/09/2023 12:55
	SW-846 9251 (Total)				05/10/2023 18:04
23041536-016B	JOP_XPW02_pore	05/03/2023 11:15	05/04/2023 8:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 15:26
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 15:26

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				05/04/2023 20:57
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 21:23
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 21:23
	Standard Methods 4500-P E (Dissolved) 1999, 2011				05/04/2023 19:31
	Standard Methods 4500-P E (Dissolved) 1999				05/04/2023 15:58
	SW-846 9036 (Dissolved)				05/11/2023 10:29
	SW-846 9251 (Dissolved)				05/08/2023 15:05
23041536-016C	JOP_XPW02_pore	05/03/2023 11:15	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/06/2023 7:28
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 15:25
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 15:59
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/17/2023 10:31
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/17/2023 15:00
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/18/2023 8:43
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/05/2023 15:14
	SW-846 7470A (Total)			05/05/2023 8:10	05/05/2023 13:09
23041536-016D	JOP_XPW02_pore	05/03/2023 11:15	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 11:26
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/08/2023 17:55
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/08/2023 17:58
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			05/04/2023 19:52	05/05/2023 10:59
23041536-016E	JOP_XPW02_pore	05/03/2023 11:15	05/04/2023 8:10		
	SW-846 9060				05/10/2023 0:34
23041536-016F	JOP_XPW02_pore	05/03/2023 11:15	05/04/2023 8:10		
	SW-846 9060				05/09/2023 16:45
23041536-016G	JOP_XPW02_pore	05/03/2023 11:15	05/04/2023 8:10		
	Ferrous Iron by CHEMets Kit				05/03/2023 11:15
23041536-017A	JOP_XPW03_pore	05/03/2023 11:39	05/04/2023 8:10		
	Field Elevation Measurements				05/03/2023 11:39
	Standard Methods 2130 B Field				05/03/2023 11:39
	Standard Methods 18th Ed. 2580 B Field				05/03/2023 11:39
	Standard Methods 2320 B (Total) 1997, 2011				05/05/2023 15:49
	Standard Methods 2320 B 1997, 2011				05/05/2023 15:49
	Standard Methods 2510 B Field				05/03/2023 11:39
	Standard Methods 2540 C (Total) 1997, 2011				05/08/2023 11:50
	Standard Methods 2550 B Field				05/03/2023 11:39
	Standard Methods 4500-NO2 B (Total) 2000, 2011				05/05/2023 10:09

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 21:32
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 21:32
	Standard Methods 4500-O G Field				05/03/2023 11:39
	Standard Methods 4500-P E 1999				05/12/2023 14:57
	Standard Methods 4500-P E 1999, 2011				05/12/2023 15:44
	SW-846 9036 (Total)				05/11/2023 10:34
	SW-846 9040B Field				05/03/2023 11:39
	SW-846 9214 (Total)				05/09/2023 12:49
	SW-846 9251 (Total)				05/10/2023 18:25
23041536-017B	JOP_XPW03_pore	05/03/2023 11:39	05/04/2023 8:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 15:30
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 15:30
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				05/04/2023 20:57
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 21:25
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 21:25
	Standard Methods 4500-P E (Dissolved) 1999, 2011				05/12/2023 15:44
	Standard Methods 4500-P E (Dissolved) 1999				05/12/2023 14:57
	SW-846 9036 (Dissolved)				05/08/2023 15:12
	SW-846 9251 (Dissolved)				05/08/2023 15:07
23041536-017C	JOP_XPW03_pore	05/03/2023 11:39	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/06/2023 7:31
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 15:29
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 16:02
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/17/2023 10:32
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/05/2023 15:21
	SW-846 7470A (Total)			05/05/2023 8:10	05/05/2023 13:16
23041536-017D	JOP_XPW03_pore	05/03/2023 11:39	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 11:27
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/08/2023 17:57
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/08/2023 18:02
23041536-017E	JOP_XPW03_pore	05/03/2023 11:39	05/04/2023 8:10		
	SW-846 9060				05/10/2023 0:39
23041536-017F	JOP_XPW03_pore	05/03/2023 11:39	05/04/2023 8:10		
	SW-846 9060				05/09/2023 16:51
23041536-017G	JOP_XPW03_pore	05/03/2023 11:39	05/04/2023 8:10		
	Ferrous Iron by CHEMets Kit				05/03/2023 11:39
23041536-018A	JOP_XSG01	05/15/2023 10:33	05/04/2023 8:10		

Dates Report

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Field Elevation Measurements				05/15/2023 10:33
23041536-019A	JOP_YSG02		05/04/2023 8:10		
	Field Elevation Measurements				05/02/2023 0:00
23041536-020A	Field Blank	05/03/2023 18:45	05/04/2023 8:10		
	Standard Methods 2320 B (Total) 1997, 2011				05/11/2023 10:01
	Standard Methods 2320 B 1997, 2011				05/11/2023 10:01
	Standard Methods 2540 C (Total) 1997, 2011				05/08/2023 11:50
	Standard Methods 4500-NO2 B (Total) 2000, 2011				05/05/2023 14:09
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 21:34
	Standard Methods 4500-NO3 F (Total) 2000, 2011				05/04/2023 21:34
	Standard Methods 4500-P E 1999				05/04/2023 20:46
	Standard Methods 4500-P E 1999, 2011				05/05/2023 13:33
	SW-846 9036 (Total)				05/10/2023 18:36
	SW-846 9214 (Total)				05/09/2023 12:52
	SW-846 9251 (Total)				05/10/2023 18:36
23041536-020B	Field Blank	05/03/2023 18:45	05/04/2023 8:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 15:37
	Standard Methods 2320 B (Dissolved) 1997, 2011				05/05/2023 15:37
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				05/05/2023 12:07
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 21:27
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				05/04/2023 21:27
	Standard Methods 4500-P E (Dissolved) 1999, 2011				05/04/2023 19:33
	Standard Methods 4500-P E (Dissolved) 1999				05/04/2023 15:58
	SW-846 9036 (Dissolved)				05/08/2023 16:04
	SW-846 9251 (Dissolved)				05/08/2023 16:06
23041536-020C	Field Blank	05/03/2023 18:45	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/06/2023 7:35
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/13/2023 15:33
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/17/2023 10:52
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/04/2023 13:44	05/17/2023 15:01
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			05/04/2023 13:44	05/05/2023 15:27
	SW-846 7470A (Total)			05/05/2023 8:10	05/05/2023 13:19
23041536-020D	Field Blank	05/03/2023 18:45	05/04/2023 8:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			05/04/2023 19:52	05/05/2023 11:29
23041536-020E	Field Blank	05/03/2023 18:45	05/04/2023 8:10		
	SW-846 9060				05/10/2023 0:46
23041536-020F	Field Blank	05/03/2023 18:45	05/04/2023 8:10		

Dates Report

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 9060				05/09/2023 16:58

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

STANDARD METHODS 2510 B FIELD

Batch R328720 **SampType:** LCS Units **µS/cm**
SampID: LCS-R328720

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1409	0	100.7	90	110	05/03/2023
Spec. Conductance, Field	*	0		**1400**	1409	0	99.4	90	110	05/02/2023

SW-846 9040B FIELD

Batch R328720 **SampType:** LCS Units
SampID: LCS-R328720

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**6.93**	7.000	0	99.0	98.57	101.4	05/02/2023
pH	*	1.00		**6.98**	7.000	0	99.7	98.57	101.4	05/03/2023

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R328428 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/06/2023
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/06/2023

Batch R328428 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**930**	1000	0	93.0	90	110	05/06/2023
Total Dissolved Solids		20		**928**	1000	0	92.8	90	110	05/06/2023

Batch R328528 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/08/2023
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/08/2023
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/08/2023
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/08/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R328528 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**942**	1000	0	94.2	90	110	05/08/2023
Total Dissolved Solids		20		**938**	1000	0	93.8	90	110	05/08/2023
Total Dissolved Solids		20		**948**	1000	0	94.8	90	110	05/08/2023
Total Dissolved Solids		20		**928**	1000	0	92.8	90	110	05/08/2023

Batch R328528 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 23041536-016ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**3980**				3972	0.30	05/08/2023

Batch R328566 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/09/2023

Batch R328566 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**956**	1000	0	95.6	90	110	05/09/2023

Batch R328566 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 23041536-007ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**724**				714.0	1.39	05/09/2023

Batch R329144 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/20/2023
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/19/2023

Batch R329144 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**978**	1000	0	97.8	90	110	05/19/2023
Total Dissolved Solids		20		**964**	1000	0	96.4	90	110	05/20/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R329144 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 23041536-008ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**550**				534.0	2.95	05/19/2023

STANDARD METHODS 4500-NO2 B (DISSOLVED) 2000, 2011

Batch R328254 **SampType:** MS Units **mg/L**
SampID: 23041536-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	101.6	85	115	05/04/2023

Batch R328254 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	102.0	0.5080	0.39	05/04/2023

Batch R328254 **SampType:** MS Units **mg/L**
SampID: 23041536-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	105.8	85	115	05/04/2023

Batch R328254 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	105.8	0.5290	0.00	05/04/2023

Batch R328355 **SampType:** MS Units **mg/L**
SampID: 23041536-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.54**	0.5000	0	108.2	85	115	05/05/2023

Batch R328355 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.54**	0.5000	0	108.6	0.5410	0.37	05/05/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R328254 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	05/03/2023
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	05/03/2023

Batch R328254 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		**0.70**	0.6510	0	106.8	90	110	05/03/2023
Nitrogen, Nitrite (as N)		0.25		**0.70**	0.6510	0	106.8	90	110	05/03/2023

Batch R328254 **SampType:** MS Units **mg/L**
SampID: 23041536-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.52**	0.5000	0	104.8	85	115	05/04/2023

Batch R328254 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	105.2	0.5240	0.38	05/04/2023

Batch R328254 **SampType:** MS Units **mg/L**
SampID: 23041536-010AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	102.0	85	115	05/04/2023

Batch R328254 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-010AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	102.8	0.5100	0.78	05/04/2023

Batch R328355 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	05/05/2023
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	05/05/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R328355 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		**0.70**	0.6510	0	106.8	90	110	05/05/2023
Nitrogen, Nitrite (as N)		0.25		**0.70**	0.6510	0	106.8	90	110	05/05/2023

Batch R328355 **SampType:** MS Units **mg/L**
SampID: 23041536-008AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.54**	0.5000	0	108.8	85	115	05/05/2023

Batch R328355 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-008AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.55**	0.5000	0	109.6	0.5440	0.73	05/05/2023

Batch R328355 **SampType:** MS Units **mg/L**
SampID: 23041536-014AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.55**	0.5000	0	110.2	85	115	05/05/2023

Batch R328355 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-014AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.55**	0.5000	0	110.6	0.5510	0.36	05/05/2023

STANDARD METHODS 4500-NO3 F (DISSOLVED) 2000, 2011

Batch R328340 **SampType:** MS Units **mg/L**
SampID: 23041536-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.64**	1.250	2.334	104.1	85	115	05/04/2023

Batch R328340 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.59**	1.250	2.334	100.6	3.635	1.19	05/04/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

STANDARD METHODS 4500-NO3 F (DISSOLVED) 2000, 2011

Batch R328340 **SampType:** MS Units **mg/L**
SampID: 23041536-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.249**	0.2500	0.01300	94.4	85	115	05/04/2023

Batch R328340 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.252**	0.2500	0.01300	95.6	0.2490	1.20	05/04/2023

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R328340 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						05/04/2023
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	05/04/2023

Batch R328340 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.506**	0.5000	0	101.2	90	110	05/04/2023

Batch R328340 **SampType:** MS Units **mg/L**
SampID: 23041536-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.638**	0.2500	0.3930	98.0	85	115	05/04/2023

Batch R328340 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.642**	0.2500	0.3930	99.6	0.6380	0.63	05/04/2023

Batch R328402 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						05/05/2023
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	05/05/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R328402 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.502**	0.5000	0	100.4	90	110	05/05/2023

Batch R328402 **SampType:** MS Units **mg/L**
SampID: 23041536-013AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.244**	0.2500	0	97.6	85	115	05/05/2023

Batch R328402 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-013AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.248**	0.2500	0	99.2	0.2440	1.63	05/05/2023

Batch R328974 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	05/17/2023

Batch R328974 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.547**	0.5000	0	109.4	90	110	05/17/2023

STANDARD METHODS 4500-P E (DISSOLVED) 1999, 2011

Batch R328769 **SampType:** MS Units **mg/L**
SampID: 23041536-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)	*	0.010	H	**0.045**	0.0500	0	90.0	85	115	05/12/2023

Batch R328769 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Orthophosphate (as P)	*	0.010	H	**0.044**	0.0500	0	88.0	0.04500	2.25	05/12/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

STANDARD METHODS 4500-P E 1999, 2011

Batch R328325 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)	*	0.010		**< 0.010**	0.0020	0	0	-100	100	05/04/2023

Batch R328325 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)	*	0.010		**0.090**	0.1000	0	90.0	90	110	05/04/2023

Batch R328408 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)	*	0.010		**< 0.010**	0.0020	0	0	-100	100	05/04/2023

Batch R328408 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)	*	0.010		**0.099**	0.1000	0	99.0	90	110	05/04/2023

Batch R328408 **SampType:** MS Units **mg/L**
SampID: 23041536-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)	*	0.010		**0.043**	0.0500	0	86.0	85	115	05/04/2023

Batch R328408 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Orthophosphate (as P)	*	0.010		**0.043**	0.0500	0	86.0	0.04300	0.00	05/04/2023

Batch R328408 **SampType:** MS Units **mg/L**
SampID: 23041536-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)	*	0.050		**0.240**	0.2500	0	96.0	85	115	05/05/2023

Batch R328408 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Orthophosphate (as P)	*	0.050		**0.250**	0.2500	0	100.0	0.2400	4.08	05/05/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

STANDARD METHODS 4500-P E 1999, 2011

Batch R328769 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)	*	0.010		**< 0.010**	0.0020	0	0	-100	100	05/12/2023

Batch R328769 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)	*	0.010		**0.094**	0.1000	0	94.0	90	110	05/12/2023

SW-846 9036 (DISSOLVED)

Batch R328483 **SampType:** MS Units **mg/L**
SampID: 23041536-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**30**	20.00	12.92	87.9	85	115	05/08/2023

Batch R328483 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**31**	20.00	12.92	88.0	30.50	0.10	05/08/2023

Batch R328607 **SampType:** MS Units **mg/L**
SampID: 23041536-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	E	**103**	40.00	67.84	88.7	85	115	05/10/2023

Batch R328607 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-013BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	E	**105**	40.00	67.84	93.2	103.3	1.74	05/10/2023

Batch R328705 **SampType:** MBLK Units **mg/L**
SampID: MB-R328705

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	7.620	0	0	-100	100	05/11/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

SW-846 9036 (DISSOLVED)

Batch R328705 **SampType:** LCS Units **mg/L**
SampID: LCS-R328705

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	95.2	90	110	05/11/2023

SW-846 9036 (TOTAL)

Batch R328483 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	05/08/2023

Batch R328483 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	95.4	90	110	05/08/2023

Batch R328607 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	05/10/2023

Batch R328607 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	99.4	90	110	05/10/2023

Batch R328607 **SampType:** MS Units **mg/L**
SampID: 23041536-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**186**	100.0	97.34	89.0	85	115	05/10/2023

Batch R328607 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50	S	**177**	100.0	97.34	79.4	186.4	5.27	05/10/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

SW-846 9036 (TOTAL)

Batch R328607 **SampType:** MS Units **mg/L**
SampID: 23041536-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**97**	40.00	59.46	93.5	85	115	05/10/2023

Batch R328607 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**97**	40.00	59.46	94.8	96.86	0.53	05/10/2023

Batch R328705 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	05/11/2023

Batch R328705 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	95.2	90	110	05/11/2023

SW-846 9060

Batch R328511 **SampType:** MBLK Units **mg/L**
SampID: Filter MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**< 1.0**	0.4500	0	0	-100	100	05/09/2023

Batch R328511 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**	0.4500	0	0	-100	100	05/09/2023

Batch R328511 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**	0.4500	0	0	-100	100	05/09/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23

SW-846 9060

Batch R328511 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		20.0		**60.8**	59.30	0	102.5	90	110	05/09/2023

Batch R328511 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		20.0		**58.5**	59.30	0	98.6	90	110	05/09/2023

Batch R328511 **SampType:** MS Units **mg/L**
SampID: 23041536-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.4**	5.000	1.010	88.6	85	115	05/09/2023

Batch R328511 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.4**	5.000	1.010	87.8	5.440	0.74	05/09/2023

Batch R328511 **SampType:** MS Units **mg/L**
SampID: 23041536-001FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**5.6**	5.000	0.9500	93.4	85	115	05/09/2023

Batch R328511 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-001FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Dissolved Organic Carbon		1.0		**5.6**	5.000	0.9500	93.4	5.620	0.00	05/09/2023

Batch R328511 **SampType:** MS Units **mg/L**
SampID: 23041536-013EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.0**	5.000	1.290	95.2	85	115	05/10/2023

Batch R328511 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-013EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.1**	5.000	1.290	96.0	6.050	0.66	05/10/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

SW-846 9060

Batch R328749 **SampType:** MBLK Units **mg/L**
SampID: Filter MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**< 1.0**	0.4500	0	0	-100	100	05/12/2023

Batch R328749 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**	0.4500	0	0	-100	100	05/12/2023

Batch R328749 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		20.0		**61.0**	59.30	0	102.8	90	110	05/12/2023

Batch R328749 **SampType:** MS Units **mg/L**
SampID: 23041536-012FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**5.3**	5.000	0.7000	91.2	85	115	05/12/2023

Batch R328749 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 23041536-012FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Dissolved Organic Carbon		1.0		**5.2**	5.000	0.7000	90.6	5.260	0.57	05/12/2023

SW-846 9214 (TOTAL)

Batch R328523 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	05/09/2023

Batch R328523 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.10**	1.000	0	109.8	90	110	05/09/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23

SW-846 9214 (TOTAL)

Batch R328523 **SampType:** MS Units **mg/L**
SampID: 23041536-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.35**	2.000	0.2850	103.3	75	125	05/09/2023

Batch R328523 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 23041536-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.37**	2.000	0.2850	104.2	2.351	0.80	05/09/2023

Batch R328523 **SampType:** MS Units **mg/L**
SampID: 23041536-015AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.43**	2.000	0.3450	104.2	75	125	05/09/2023

Batch R328523 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 23041536-015AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.43**	2.000	0.3450	104.0	2.428	0.12	05/09/2023

Batch R328523 **SampType:** MS Units **mg/L**
SampID: 23041536-016AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.58**	2.000	0.4810	105.2	75	125	05/09/2023

Batch R328523 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 23041536-016AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.61**	2.000	0.4810	106.6	2.585	1.08	05/09/2023

SW-846 9251 (DISSOLVED)

Batch R328502 **SampType:** MS Units **mg/L**
SampID: 23041536-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**40**	20.00	21.54	90.8	85	115	05/08/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23

SW-846 9251 (DISSOLVED)

Batch R328502 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 23041536-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**39**	20.00	21.54	89.0	39.69	0.86	05/08/2023

Batch R328502 **SampType:** MS Units **mg/L**
SampID: 23041536-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**36**	20.00	17.61	90.8	85	115	05/08/2023

Batch R328502 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 23041536-013BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**36**	20.00	17.61	90.6	35.77	0.08	05/08/2023

SW-846 9251 (TOTAL)

Batch R328502 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	05/08/2023

Batch R328502 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	100.8	90	110	05/08/2023

Batch R328580 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	05/10/2023

Batch R328580 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	101.5	90	110	05/10/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

SW-846 9251 (TOTAL)

Batch R328580 **SampType:** MS Units **mg/L**
SampID: 23041536-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**66**	40.00	27.76	96.0	85	115	05/10/2023

Batch R328580 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 23041536-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**66**	40.00	27.76	96.8	66.17	0.44	05/10/2023

Batch R328580 **SampType:** MS Units **mg/L**
SampID: 23041536-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**51**	40.00	11.29	98.9	85	115	05/10/2023

Batch R328580 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 23041536-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**51**	40.00	11.29	98.8	50.86	0.06	05/10/2023

Batch R328687 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	05/11/2023

Batch R328687 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	102.4	90	110	05/11/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 205824 **SampType:** MBLK Units **mg/L**
SampID: MBLK-205824

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	05/05/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	05/05/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	05/05/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	05/05/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	05/05/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	05/05/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	05/05/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/05/2023
Silicon	*	0.0500		**< 0.0500**	0.0122	0	0	-100	100	05/05/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	05/05/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	05/05/2023
Strontium		0.0100		**< 0.0100**	0.0013	0	0	-100	100	05/05/2023
Tin		0.0200		**< 0.0200**	0.0045	0	0	-100	100	05/05/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	05/05/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	05/05/2023

Batch 205824 **SampType:** LCS Units **mg/L**
SampID: LCS-205824

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.74**	2.000	0	87.2	85	115	05/05/2023
Calcium		0.100		**2.36**	2.500	0	94.5	85	115	05/05/2023
Copper		0.0050		**0.228**	0.2500	0	91.1	85	115	05/05/2023
Iron		0.0400		**1.78**	2.000	0	88.8	85	115	05/05/2023
Magnesium		0.0500		**2.28**	2.500	0	91.3	85	115	05/05/2023
Manganese		0.0070		**0.450**	0.5000	0	90.0	85	115	05/05/2023
Nickel		0.0050		**0.442**	0.5000	0	88.4	85	115	05/05/2023
Potassium		0.100		**2.48**	2.500	0	99.0	85	115	05/05/2023
Silicon	*	0.0500		**0.442**	0.5000	0	88.5	85	115	05/05/2023
Silver		0.0070		**0.0451**	0.0500	0	90.2	85	115	05/05/2023
Sodium		0.0500		**2.32**	2.500	0	92.7	85	115	05/05/2023
Strontium		0.0100		**0.0935**	0.1000	0	93.5	85	115	05/05/2023
Tin		0.0200		**0.440**	0.5000	0	87.9	85	115	05/05/2023
Vanadium		0.0100		**0.442**	0.5000	0	88.5	85	115	05/05/2023
Zinc		0.0100		**0.438**	0.5000	0	87.5	85	115	05/05/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 205824 **SampType:** MS Units **mg/L**

SampID: 23041536-005DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.77**	2.000	0	88.3	75	125	05/05/2023
Calcium		0.100	S	**81.8**	2.500	80.85	37.6	75	125	05/05/2023
Iron		0.0400		**1.77**	2.000	0	88.5	75	125	05/05/2023
Magnesium		0.0500	S	**22.9**	2.500	21.13	72.2	75	125	05/05/2023
Manganese		0.0070		**0.496**	0.5000	0.01550	96.0	75	125	05/05/2023
Potassium		0.100		**4.50**	2.500	2.086	96.6	75	125	05/05/2023
Silicon	*	0.0500	S	**6.84**	0.5000	6.480	72.6	75	125	05/05/2023
Sodium		0.0500	S	**43.3**	2.500	42.20	42.8	75	125	05/05/2023

Batch 205824 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 23041536-005DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.75**	2.000	0	87.3	1.766	1.12	05/05/2023
Calcium		0.100	S	**80.7**	2.500	80.85	-6.4	81.79	1.35	05/05/2023
Iron		0.0400		**1.76**	2.000	0	87.9	1.770	0.67	05/05/2023
Magnesium		0.0500	S	**22.7**	2.500	21.13	62.1	22.94	1.11	05/05/2023
Manganese		0.0070		**0.466**	0.5000	0.01550	90.0	0.4957	6.24	05/05/2023
Potassium		0.100		**4.46**	2.500	2.086	94.9	4.501	0.98	05/05/2023
Silicon	*	0.0500	S	**6.76**	0.5000	6.480	56.1	6.843	1.21	05/05/2023
Sodium		0.0500	S	**42.8**	2.500	42.20	23.2	43.27	1.14	05/05/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 205805 **SampType:** MBLK Units **mg/L**
SampID: MBLK-205805

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	05/17/2023
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	05/06/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	05/06/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	05/17/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	05/17/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	05/06/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	05/17/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	05/06/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	05/06/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	05/18/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	05/17/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	05/06/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	05/17/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	05/06/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	05/06/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	05/17/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	05/06/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	05/17/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	05/06/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	05/06/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	05/17/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	05/06/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	05/17/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	05/17/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	05/06/2023
Lithium		0.0050		**< 0.0050**	0.0019	0	0	-100	100	05/06/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	05/17/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	05/06/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	05/06/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	05/17/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	05/17/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	05/06/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	05/17/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	05/06/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/17/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/06/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 205805 **SampType:** MBLK Units **mg/L**

SampID: MBLK-205805

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	05/06/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	05/17/2023
Silicon	*	0.0500		**< 0.0500**	0.0122	0	0	-100	100	05/06/2023
Silver		0.0070	J	**0.0016**	0.0027	0	59.3	-100	100	05/17/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	05/06/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	05/17/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	05/06/2023
Strontium		0.0100		**< 0.0100**	0.0013	0	0	-100	100	05/17/2023
Strontium		0.0100		**< 0.0100**	0.0013	0	0	-100	100	05/06/2023
Sulfur	*	0.150		**< 0.150**	0.0230	0	0	-100	100	05/17/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	05/06/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	05/17/2023
Tin		0.0200		**< 0.0200**	0.0045	0	0	-100	100	05/06/2023
Tin		0.0200		**< 0.0200**	0.0045	0	0	-100	100	05/17/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	05/17/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	05/06/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	05/06/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	05/17/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 205805 **SampType:** LCS Units **mg/L**

SampID: LCS-205805

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.84**	2.000	0	92.1	85	115	05/17/2023
Aluminum		0.0250		**1.86**	2.000	0	93.0	85	115	05/17/2023
Aluminum		0.0250		**2.00**	2.000	0	100.0	85	115	05/06/2023
Antimony		0.0500		**0.492**	0.5000	0	98.3	85	115	05/17/2023
Antimony		0.0500		**0.485**	0.5000	0	97.0	85	115	05/17/2023
Antimony		0.0500		**0.494**	0.5000	0	98.8	85	115	05/06/2023
Arsenic		0.0250		**0.514**	0.5000	0	102.8	85	115	05/17/2023
Arsenic		0.0250		**0.510**	0.5000	0	102.0	85	115	05/06/2023
Arsenic		0.0250		**0.509**	0.5000	0	101.9	85	115	05/17/2023
Barium		0.0025		**2.06**	2.000	0	103.0	85	115	05/17/2023
Barium		0.0025		**2.07**	2.000	0	103.5	85	115	05/17/2023
Barium		0.0025		**2.14**	2.000	0	107.2	85	115	05/06/2023
Beryllium		0.0005		**0.0502**	0.0500	0	100.4	85	115	05/17/2023
Beryllium		0.0005		**0.0519**	0.0500	0	103.8	85	115	05/06/2023
Boron		0.0200		**0.491**	0.5000	0	98.3	85	115	05/17/2023
Boron		0.0200		**0.484**	0.5000	0	96.8	85	115	05/17/2023
Boron		0.0200		**0.517**	0.5000	0	103.4	85	115	05/06/2023
Cadmium		0.0020		**0.0497**	0.0500	0	99.4	85	115	05/06/2023
Cadmium		0.0020		**0.0540**	0.0500	0	108.0	85	115	05/17/2023
Cadmium		0.0020		**0.0534**	0.0500	0	106.8	85	115	05/17/2023
Calcium		0.100		**2.56**	2.500	0	102.4	85	115	05/17/2023
Calcium		0.100		**2.65**	2.500	0	105.8	85	115	05/06/2023
Calcium		0.100		**2.52**	2.500	0	100.8	85	115	05/17/2023
Chromium		0.0050		**0.197**	0.2000	0	98.6	85	115	05/17/2023
Chromium		0.0050		**0.200**	0.2000	0	99.8	85	115	05/17/2023
Chromium		0.0050		**0.203**	0.2000	0	101.6	85	115	05/06/2023
Cobalt		0.0050		**0.514**	0.5000	0	102.7	85	115	05/06/2023
Cobalt		0.0050	B	**0.488**	0.5000	0	97.7	85	115	05/17/2023
Cobalt		0.0050		**0.495**	0.5000	0	99.0	85	115	05/17/2023
Copper		0.0050	B	**0.239**	0.2500	0	95.6	85	115	05/17/2023
Copper		0.0050		**0.260**	0.2500	0	103.8	85	115	05/06/2023
Copper		0.0050		**0.242**	0.2500	0	96.9	85	115	05/17/2023
Iron		0.0400		**2.06**	2.000	0	103.0	85	115	05/17/2023
Iron		0.0400		**2.03**	2.000	0	101.5	85	115	05/17/2023
Iron		0.0400		**2.06**	2.000	0	103.2	85	115	05/06/2023
Lead		0.0150		**0.500**	0.5000	0	100.1	85	115	05/17/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 205805 **SampType:** LCS Units **mg/L**

SampID: LCS-205805

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0150		**0.510**	0.5000	0	101.9	85	115	05/06/2023
Lead		0.0150		**0.494**	0.5000	0	98.8	85	115	05/17/2023
Lithium		0.0050		**0.529**	0.5000	0	105.8	85	115	05/06/2023
Lithium		0.0050		**0.440**	0.5000	0	88.0	85	115	05/17/2023
Magnesium		0.0500		**2.36**	2.500	0	94.2	85	115	05/17/2023
Magnesium		0.0500		**2.55**	2.500	0	101.9	85	115	05/06/2023
Magnesium		0.0500		**2.33**	2.500	0	93.2	85	115	05/17/2023
Manganese		0.0070		**0.497**	0.5000	0	99.5	85	115	05/17/2023
Manganese		0.0070		**0.516**	0.5000	0	103.3	85	115	05/06/2023
Manganese		0.0070		**0.487**	0.5000	0	97.3	85	115	05/17/2023
Molybdenum		0.0100		**0.474**	0.5000	0	94.8	85	115	05/17/2023
Molybdenum		0.0100		**0.480**	0.5000	0	95.9	85	115	05/17/2023
Molybdenum		0.0100		**0.498**	0.5000	0	99.5	85	115	05/06/2023
Nickel		0.0050		**0.495**	0.5000	0	99.0	85	115	05/17/2023
Nickel		0.0050		**0.505**	0.5000	0	101.0	85	115	05/06/2023
Nickel		0.0050		**0.501**	0.5000	0	100.3	85	115	05/17/2023
Potassium		0.100		**2.60**	2.500	0	104.0	85	115	05/17/2023
Potassium		0.100		**2.61**	2.500	0	104.6	85	115	05/17/2023
Potassium		0.100		**2.54**	2.500	0	101.4	85	115	05/06/2023
Selenium		0.0400		**0.507**	0.5000	0	101.4	85	115	05/17/2023
Selenium		0.0400		**0.486**	0.5000	0	97.2	85	115	05/06/2023
Selenium		0.0400		**0.503**	0.5000	0	100.5	85	115	05/17/2023
Silicon	*	0.0500		**0.532**	0.5000	0	106.4	85	115	05/17/2023
Silicon	*	0.0500		**0.465**	0.5000	0	93.1	85	115	05/06/2023
Silver		0.0070	B	**0.0490**	0.0500	0	98.0	85	115	05/17/2023
Silver		0.0070		**0.0486**	0.0500	0	97.2	85	115	05/17/2023
Silver		0.0070		**0.0514**	0.0500	0	102.8	85	115	05/06/2023
Sodium		0.0500		**2.32**	2.500	0	92.8	85	115	05/06/2023
Sodium		0.0500		**2.37**	2.500	0	94.8	85	115	05/17/2023
Sodium		0.0500		**2.35**	2.500	0	93.8	85	115	05/17/2023
Strontium		0.0100		**0.106**	0.1000	0	105.5	85	115	05/06/2023
Strontium		0.0100		**0.0977**	0.1000	0	97.7	85	115	05/17/2023
Strontium		0.0100		**0.0967**	0.1000	0	96.7	85	115	05/17/2023
Sulfur	*	0.150		**0.984**	1.000	0	98.4	85	115	05/17/2023
Sulfur	*	0.150		**0.990**	1.000	0	99.0	85	115	05/17/2023
Thallium		0.0500		**0.241**	0.2500	0	96.6	85	115	05/17/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 205805 **SampType:** LCS Units **mg/L**

SampID: LCS-205805

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Thallium		0.0500		**0.231**	0.2500	0	92.5	85	115	05/06/2023
Thallium		0.0500		**0.232**	0.2500	0	92.8	85	115	05/17/2023
Tin		0.0200		**0.491**	0.5000	0	98.2	85	115	05/17/2023
Tin		0.0200		**0.501**	0.5000	0	100.2	85	115	05/06/2023
Tin		0.0200		**0.485**	0.5000	0	97.1	85	115	05/17/2023
Vanadium		0.0100		**0.516**	0.5000	0	103.1	85	115	05/06/2023
Vanadium		0.0100		**0.491**	0.5000	0	98.1	85	115	05/17/2023
Vanadium		0.0100		**0.487**	0.5000	0	97.3	85	115	05/17/2023
Zinc		0.0100		**0.491**	0.5000	0	98.2	85	115	05/06/2023
Zinc		0.0100		**0.500**	0.5000	0	100.0	85	115	05/17/2023
Zinc		0.0100		**0.494**	0.5000	0	98.8	85	115	05/17/2023

Batch 205805 **SampType:** MS Units **mg/L**

SampID: 23041536-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250	S	**7.02**	2.000	3.311	185.4	75	125	05/06/2023
Arsenic		0.0250		**0.512**	0.5000	0	102.4	75	125	05/06/2023
Barium		0.0025		**2.17**	2.000	0.04540	106.1	75	125	05/06/2023
Beryllium		0.0005		**0.0519**	0.0500	0.0003000	103.2	75	125	05/06/2023
Boron		0.0200		**3.71**	0.5000	3.285	84.6	75	125	05/06/2023
Cadmium		0.0020		**0.0489**	0.0500	0	97.8	75	125	05/06/2023
Calcium		0.100	S	**92.8**	2.500	92.46	13.6	75	125	05/06/2023
Chromium		0.0050		**0.208**	0.2000	0.008400	100.0	75	125	05/06/2023
Iron		0.0400	S	**9.97**	2.000	7.341	131.4	75	125	05/06/2023
Lead		0.0150		**0.501**	0.5000	0	100.2	75	125	05/06/2023
Lithium		0.0250		**0.558**	0.5000	0	111.5	75	125	05/15/2023
Magnesium		0.0500	S	**26.1**	2.500	24.43	65.6	75	125	05/06/2023
Manganese		0.0070		**0.616**	0.5000	0.1024	102.7	75	125	05/06/2023
Molybdenum		0.0100		**0.493**	0.5000	0	98.5	75	125	05/06/2023
Potassium		0.100		**5.05**	2.500	2.486	102.7	75	125	05/06/2023
Silicon	*	0.0500	S	**16.1**	0.5000	13.18	576.0	75	125	05/06/2023
Sodium		0.0500	S	**50.8**	2.500	49.68	45.2	75	125	05/06/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 205805 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 23041536-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250	S	**7.09**	2.000	3.311	188.8	7.019	0.95	05/06/2023
Arsenic		0.0250		**0.517**	0.5000	0	103.4	0.5121	0.91	05/06/2023
Barium		0.0025		**2.19**	2.000	0.04540	107.4	2.168	1.15	05/06/2023
Beryllium		0.0005		**0.0526**	0.0500	0.0003000	104.6	0.05190	1.34	05/06/2023
Boron		0.0200		**3.78**	0.5000	3.285	99.0	3.708	1.92	05/06/2023
Cadmium		0.0020		**0.0493**	0.0500	0	98.6	0.04890	0.81	05/06/2023
Calcium		0.100		**94.4**	2.500	92.46	76.8	92.80	1.69	05/06/2023
Chromium		0.0050		**0.211**	0.2000	0.008400	101.4	0.2084	1.33	05/06/2023
Iron		0.0400	S	**10.2**	2.000	7.341	145.0	9.970	2.67	05/06/2023
Lead		0.0150		**0.507**	0.5000	0	101.4	0.5011	1.15	05/06/2023
Lithium		0.0250		**0.551**	0.5000	0	110.2	0.5575	1.17	05/15/2023
Magnesium		0.0500		**26.5**	2.500	24.43	83.6	26.07	1.71	05/06/2023
Manganese		0.0070		**0.622**	0.5000	0.1024	104.0	0.6157	1.05	05/06/2023
Molybdenum		0.0100		**0.496**	0.5000	0	99.3	0.4926	0.77	05/06/2023
Potassium		0.100		**5.10**	2.500	2.486	104.7	5.053	1.00	05/06/2023
Silicon	*	0.0500	S	**16.3**	0.5000	13.18	616.0	16.06	1.24	05/06/2023
Sodium		0.0500		**51.7**	2.500	49.68	80.4	50.81	1.72	05/06/2023

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 205824 **SampType:** MBLK Units **mg/L**
SampID: MBLK-205824

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	05/05/2023

Batch 205824 **SampType:** LCS Units **mg/L**
SampID: LCS-205824

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Vanadium		0.0050		**0.469**	0.5000	0	93.8	80	120	05/05/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 205805 **SampType:** MBLK Units **mg/L**
SampID: MBLK-205805

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	05/05/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	05/05/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	05/05/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	05/05/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	05/05/2023

Batch 205805 **SampType:** LCS Units **mg/L**
SampID: LCS-205805

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.520**	0.5000	0	103.9	80	120	05/05/2023
Cobalt		0.0010		**0.510**	0.5000	0	102.1	80	120	05/05/2023
Selenium		0.0010		**0.519**	0.5000	0	103.8	80	120	05/05/2023
Thallium		0.0020		**0.246**	0.2500	0	98.4	80	120	05/05/2023
Vanadium		0.0050		**0.504**	0.5000	0	100.8	80	120	05/05/2023

Batch 205805 **SampType:** MS Units **mg/L**
SampID: 23041536-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.508**	0.5000	0.001477	101.2	75	125	05/05/2023
Cobalt		0.0010		**0.479**	0.5000	0.004035	95.0	75	125	05/05/2023
Selenium		0.0010		**0.507**	0.5000	0	101.3	75	125	05/05/2023
Thallium		0.0020		**0.246**	0.2500	0	98.4	75	125	05/05/2023

Batch 205805 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 23041536-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.497**	0.5000	0.001477	99.2	0.5076	2.00	05/05/2023
Cobalt		0.0010		**0.477**	0.5000	0.004035	94.5	0.4790	0.50	05/05/2023
Selenium		0.0010		**0.488**	0.5000	0	97.6	0.5065	3.75	05/05/2023
Thallium		0.0020		**0.246**	0.2500	0	98.3	0.2460	0.15	05/05/2023

SW-846 7470A (TOTAL)

Batch 205809 **SampType:** MBLK Units **mg/L**
SampID: MBLK-205809

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	05/05/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23041536

Client Project: JOP-23Q2 **Report Date:** 22-Jun-23

SW-846 7470A (TOTAL)

Batch 205809 **SampType:** LCS Units **mg/L**
SampID: LCS-205809

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00524**	0.0050	0	104.8	85	115	05/05/2023

Batch 205809 **SampType:** MS Units **mg/L**
SampID: 23041536-008CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00474**	0.0050	0	94.7	75	125	05/05/2023

Batch 205809 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 23041536-008CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00485**	0.0050	0	97.0	0.004736	2.34	05/05/2023

Batch 205809 **SampType:** MS Units **mg/L**
SampID: 23041536-020CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00506**	0.0050	0	101.1	75	125	05/05/2023

Batch 205809 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 23041536-020CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00488**	0.0050	0	97.7	0.005057	3.50	05/05/2023

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041536
Client Project: JOP-23Q2
Report Date: 22-Jun-23

Carrier: Joe Riley
Received By: ANC

Completed by: Allison Colin
On: 04-May-23

Reviewed by: Elizabeth A. Hurley
On: 04-May-23

Pages to follow: Chain of custody 2 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 4.2
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑

Any No responses must be detailed below or on the COC.

pH strip #88374 - CET/acolin - 5/4/2023 1:25:58 PM

Additional HNO3 (89071) was needed in JOP_G051&D (dissolved) upon arrival at the laboratory. - CET/acolin - 5/4/2023 1:26:28 PM

JOP_G001&D was received with insufficient amount of time to meet hold time requirements for Nitrate and Phosphate analyses. Client was notified via work order summary. - ehurley - 5/4/2023 2:14:38 PM

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2

Section A Required Client Information:

Company:	Vistra Corp
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911 Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS

Requested Analysis Filtered (Y/N)

Preservatives: Unpreserved, H_2SO_4, HNO_3, HCl, NaOH, $Na_2S_2O_3$, Methanol, Other

JR 5/03

Collected date (all rows): 05/02/23 (JR 05/02/23)

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test	JOP-257-401	JOP-845-401	JOP-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	05/03/23 JOP_G001&D 1.053 JR			~~05/01/23~~	0926 ~~0803~~												✓	✓	✓		23041536-001
2	5/03/23 JOP_G002&D 0819 ~~0802~~ 5/4			~~05/01/23~~	~~0802~~												✓	✓	✓		002
3	JOP_G003			~~05/01/23~~	0808												✓	✓	✓		003
4	JOP_G005				1701												✓	✓	✓		004
5	JOP_G006				1735												✓	✓	✓		005
6	JOP_G007				1613 ~~1410~~ JR												✓	✓	✓		006
7	JOP_G008				1555												✓	✓	✓		007
8	JOP_G009				1313 ~~1405~~ JR												✓	✓	✓		008
9	JOP_G010				1512												✓	✓	✓		009
10	JOP_G011				1010												✓	✓	✓		010
11	JOP_G051&D				0928												✓	✓	✓		011
12	JOP_G052&D				1408												✓	✓	✓		012
13	JOP_G053&D				1618												✓	✓	✓		013
14	JOP_G054&D				1218 ~~1408~~												✓	✓	✓		014
15	JOP_XPW01_pore				1053													✓	✓		015
16	JOP_XPW02_pore				1115													✓	✓		016

PHW 88374. Added HNO3 (89071) to dissolved from 605130. CET 5-4-23

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
JOP-23Q2-Rev 0-Part A-Lab	[signature] Teklab	05/04/23	0810	Allison Cole	5/4/23	0810	ETG.1 4.2	Y	N	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joe Riley

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 05/09/23 800

CET 5-4-23

23041536

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 2

Section A Required Client Information:

Company:	Vistra Corp
Address:	13498 E. 900th St
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911 Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE (05/03/23 ~~4~~ JR)	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test	JOP-257-401	JOP-845-401	JOP-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	05/03/23 JOP_XPW03_pore			~~05/04/23~~	1139													✓	✓		23041536-017
2	JOP_XSG01			05/03/23	1351													✓			018
3	JOP_YSG02				NA													✓			019
4	05/03/23 FIELD BLANK			~~05/04/23~~	1845												✓	✓	✓		020
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
JOP-23Q2-Rev 0-Part A-Lab	[signature] Teklab	05/04/23	0815	Allison Cole	5/4/23	0820	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joe Riley

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 05/04/23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

June 23, 2023

Eric Bauer
Ramboll
300 S. Wacker Drive
Suite 130
Chicago, IL 60606
TEL: (414) 837-3607
FAX: (414) 837-3608

Illinois	100226
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: JOP-23Q2 **WorkOrder:** 23041537

Dear Eric Bauer:

TEKLAB, INC received 15 samples on 5/4/2023 8:10:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Elizabeth A. Hurley

Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com

Report Contents

Client: Ramboll
Work Order: 23041537
Client Project: JOP-23Q2
Report Date: 23-Jun-23

This reporting package includes the following:

Definitions

Client: Ramboll **Work Order:** 23041537

Client Project: JOP-23Q2 **Report Date:** 23-Jun-23

Abbr	Definition
*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Teklab, Inc.
Environmental Laboratory

Definitions

Client: Ramboll

Work Order: 23041537

Client Project: JOP-23Q2

Report Date: 23-Jun-23

Qualifiers

- # - Unknown hydrocarbon
- B - Analyte detected in associated Method Blank
- C - RL shown is a Client Requested Quantitation Limit
- E - Value above quantitation range
- H - Holding times exceeded
- I - Associated internal standard was outside method criteria
- J - Analyte detected below quantitation limits
- M - Manual Integration used to determine area response
- ND - Not Detected at the Reporting Limit
- R - RPD outside accepted recovery limits
- S - Spike Recovery outside recovery limits
- T - TIC(Tentatively identified compound)
- X - Value exceeds Maximum Contaminant Level

Case Narrative

Client: Ramboll
Work Order: 23041537
Client Project: JOP-23Q2
Report Date: 23-Jun-23

Cooler Receipt Temp: 4.2 °C

An employee of Teklab, Inc. collected the sample(s).

Analyses were performed by Pace Analytical National. See attached report for results and QC.

Locations

Collinsville

Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
Phone	(618) 344-1004
Fax	(618) 344-1005
Email	jhriley@teklabinc.com

Springfield

Address	3920 Pintail Dr Springfield, IL 62711-9415
Phone	(217) 698-1004
Fax	(217) 698-1005
Email	KKlostermann@teklabinc.com

Kansas City

Address	8421 Nieman Road Lenexa, KS 66214
Phone	(913) 541-1998
Fax	(913) 541-1998
Email	jhriley@teklabinc.com

Collinsville Air

Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
Phone	(618) 344-1004
Fax	(618) 344-1005
Email	EHurley@teklabinc.com

Chicago

Address	1319 Butterfield Rd. Downers Grove, IL 60515
Phone	(630) 324-6855
Fax	
Email	arenner@teklabinc.com

Accreditations

Client: Ramboll **Work Order:** 23041537

Client Project: JOP-23Q2 **Report Date:** 23-Jun-23

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2024	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2023	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2023	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2023	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2024	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041537
Client Project: JOP-23Q2
Report Date: 23-Jun-23
Lab ID: 23041537-001
Client Sample ID: JOP_G001&D
Matrix: GROUNDWATER
Collection Date: 05/02/2023 9:26

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	06/14/2023 17:51	R330687

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041537
Client Project: JOP-23Q2
Report Date: 23-Jun-23
Lab ID: 23041537-002
Client Sample ID: JOP_G002&D
Matrix: GROUNDWATER
Collection Date: 05/03/2023 8:49

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	06/14/2023 17:51	R330687

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23041537

Client Project: JOP-23Q2 **Report Date:** 23-Jun-23

Lab ID: 23041537-003 **Client Sample ID:** JOP_G003

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 8:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	06/14/2023 17:51	R330687

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23041537

Client Project: JOP-23Q2 **Report Date:** 23-Jun-23

Lab ID: 23041537-004 **Client Sample ID:** JOP_G005

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 17:01

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	06/15/2023 17:14	R330687

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041537
Client Project: JOP-23Q2
Report Date: 23-Jun-23
Lab ID: 23041537-005
Client Sample ID: JOP_G006
Matrix: GROUNDWATER
Collection Date: 05/03/2023 17:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	06/15/2023 17:14	R330687

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041537
Client Project: JOP-23Q2
Report Date: 23-Jun-23
Lab ID: 23041537-006
Client Sample ID: JOP_G007
Matrix: GROUNDWATER
Collection Date: 05/03/2023 16:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	06/15/2023 17:14	R330687

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041537
Client Project: JOP-23Q2
Report Date: 23-Jun-23
Lab ID: 23041537-007
Client Sample ID: JOP_G008
Matrix: GROUNDWATER
Collection Date: 05/03/2023 15:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	06/15/2023 17:14	R330687

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23041537

Client Project: JOP-23Q2 **Report Date:** 23-Jun-23

Lab ID: 23041537-008 **Client Sample ID:** JOP_G009

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 13:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	06/15/2023 17:14	R330687

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041537
Client Project: JOP-23Q2
Report Date: 23-Jun-23
Lab ID: 23041537-009
Client Sample ID: JOP_G010
Matrix: GROUNDWATER
Collection Date: 05/03/2023 15:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	06/15/2023 17:14	R330687

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041537
Client Project: JOP-23Q2
Report Date: 23-Jun-23
Lab ID: 23041537-010
Client Sample ID: JOP_G011
Matrix: GROUNDWATER
Collection Date: 05/03/2023 10:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	06/15/2023 17:14	R330687

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041537
Client Project: JOP-23Q2
Report Date: 23-Jun-23
Lab ID: 23041537-011
Client Sample ID: JOP_G051&D
Matrix: GROUNDWATER
Collection Date: 05/03/2023 9:28

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	06/15/2023 17:14	R330687

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23041537

Client Project: JOP-23Q2 **Report Date:** 23-Jun-23

Lab ID: 23041537-012 **Client Sample ID:** JOP_G052&D

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 14:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	06/15/2023 17:14	R330687

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23041537

Client Project: JOP-23Q2 **Report Date:** 23-Jun-23

Lab ID: 23041537-013 **Client Sample ID:** JOP_G053&D

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 16:18

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	06/15/2023 17:14	R330687

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23041537

Client Project: JOP-23Q2 **Report Date:** 23-Jun-23

Lab ID: 23041537-014 **Client Sample ID:** JOP_G054&D

Matrix: GROUNDWATER **Collection Date:** 05/03/2023 12:18

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	06/15/2023 17:14	R330687

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041537
Client Project: JOP-23Q2
Report Date: 23-Jun-23
Lab ID: 23041537-015
Client Sample ID: Field Blank
Matrix: AQUEOUS
Collection Date: 05/03/2023 18:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	06/15/2023 17:14	R330687

Teklab, Inc.
Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: JOP-23Q2

Work Order: 23041537
Report Date: 23-Jun-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23041537-001	JOP_G001&D	Groundwater	1	05/02/2023 9:26
23041537-002	JOP_G002&D	Groundwater	1	05/03/2023 8:49
23041537-003	JOP_G003	Groundwater	1	05/03/2023 8:08
23041537-004	JOP_G005	Groundwater	1	05/03/2023 17:01
23041537-005	JOP_G006	Groundwater	1	05/03/2023 17:35
23041537-006	JOP_G007	Groundwater	1	05/03/2023 16:13
23041537-007	JOP_G008	Groundwater	1	05/03/2023 15:45
23041537-008	JOP_G009	Groundwater	1	05/03/2023 13:13
23041537-009	JOP_G010	Groundwater	1	05/03/2023 15:12
23041537-010	JOP_G011	Groundwater	1	05/03/2023 10:10
23041537-011	JOP_G051&D	Groundwater	1	05/03/2023 9:28
23041537-012	JOP_G052&D	Groundwater	1	05/03/2023 14:08
23041537-013	JOP_G053&D	Groundwater	1	05/03/2023 16:18
23041537-014	JOP_G054&D	Groundwater	1	05/03/2023 12:18
23041537-015	Field Blank	Aqueous	1	05/03/2023 18:45

Dates Report

Client: Ramboll **Work Order:** 23041537

Client Project: JOP-23Q2 **Report Date:** 23-Jun-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
23041537-001A	JOP_G001&D	05/02/2023 9:26	05/04/2023 8:10		
	See Attached for Subcontracting Analysis				06/14/2023 17:51
23041537-002A	JOP_G002&D	05/03/2023 8:49	05/04/2023 8:10		
	See Attached for Subcontracting Analysis				06/14/2023 17:51
23041537-003A	JOP_G003	05/03/2023 8:08	05/04/2023 8:10		
	See Attached for Subcontracting Analysis				06/14/2023 17:51
23041537-004A	JOP_G005	05/03/2023 17:01	05/04/2023 8:10		
	See Attached for Subcontracting Analysis				06/15/2023 17:14
23041537-005A	JOP_G006	05/03/2023 17:35	05/04/2023 8:10		
	See Attached for Subcontracting Analysis				06/15/2023 17:14
23041537-006A	JOP_G007	05/03/2023 16:13	05/04/2023 8:10		
	See Attached for Subcontracting Analysis				06/15/2023 17:14
23041537-007A	JOP_G008	05/03/2023 15:45	05/04/2023 8:10		
	See Attached for Subcontracting Analysis				06/15/2023 17:14
23041537-008A	JOP_G009	05/03/2023 13:13	05/04/2023 8:10		
	See Attached for Subcontracting Analysis				06/15/2023 17:14
23041537-009A	JOP_G010	05/03/2023 15:12	05/04/2023 8:10		
	See Attached for Subcontracting Analysis				06/15/2023 17:14
23041537-010A	JOP_G011	05/03/2023 10:10	05/04/2023 8:10		
	See Attached for Subcontracting Analysis				06/15/2023 17:14
23041537-011A	JOP_G051&D	05/03/2023 9:28	05/04/2023 8:10		
	See Attached for Subcontracting Analysis				06/15/2023 17:14
23041537-012A	JOP_G052&D	05/03/2023 14:08	05/04/2023 8:10		
	See Attached for Subcontracting Analysis				06/15/2023 17:14
23041537-013A	JOP_G053&D	05/03/2023 16:18	05/04/2023 8:10		
	See Attached for Subcontracting Analysis				06/15/2023 17:14
23041537-014A	JOP_G054&D	05/03/2023 12:18	05/04/2023 8:10		
	See Attached for Subcontracting Analysis				06/15/2023 17:14
23041537-015A	Field Blank	05/03/2023 18:45	05/04/2023 8:10		
	See Attached for Subcontracting Analysis				06/15/2023 17:14

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23041537
Client Project: JOP-23Q2
Report Date: 23-Jun-23

Carrier: Joe Riley
Received By: ANC

Completed by: Allison Colin
On: 04-May-23

Reviewed by: Elizabeth A. Hurley
On: 04-May-23

Pages to follow: Chain of custody 2 Extra pages included 30

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 4.2
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑

Any No responses must be detailed below or on the COC.

pH strip #88374. - CET/acolin - 5/4/2023 1:46:12 PM

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 2 2023
JOPPA POWER PLANT, EAST ASH POND
JOP 845 401

Page: 1 of 2

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	13498 E. 900th St	Copy To:	Jason Stuckey	Company Name:	Vistra Corp
				Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: JOP-257-401	JOP-845-401	JOP-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	JOP_G001&D			05/02/23	0926		2			2						✓	✓	✓			23041537-001
2	JOP_G002&D			05/03/23	0847		1			1						✓	✓				002
3	JOP_G003				1808		1			1						✓	✓				003
4	JOP_G005				1701		1			1						✓	✓				004
5	JOP_G006				1735		1			1						✓	✓				005
6	JOP_G007				1613		1			1						✓	✓				006
7	JOP_G008				1545		1			1						✓	✓				007
8	JOP_G009				1313		1			1						✓	✓				008
9	JOP_G010				1512		1			1						✓	✓				009
10	JOP_G011				1010		1			1						✓	✓				010
11	JOP_G051&D				0925		1			1						✓	✓				011
12	JOP_G052&D				1405		1			1						✓	✓				012
13	JOP_G053&D				1615		1			1						✓	✓				013
14	JOP_G054&D				1215		✓			✓						✓	✓				014
15	JOP_XPW01_pore				1052																
16	JOP_XPW02_pore				1115																

PW883714-LRS 5-4-23

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
JOP-23Q2-Rev 0-Part A-Lab		05/04/23	0810		5/4/23	0870	6GU	Y	N	Y
Ra-226/228, only.							5,2			

SAMPLER NAME AND SIGNATURE				
PRINT Name of SAMPLER:		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 05/04/23 800				

LRS 5-4-23

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 2, 2023
JOPPA POWER PLANT, EAST ASH POND
23041537
JOP-845-401

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 2

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes (MATRIX / CODE): DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: JOP-257-401	JOP-845-401	JOP-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	JOP_XPW03_pore				05/03/23	1139																	
2	JOP_XSG01				05/04/23	1351																	
3	JOP_YSG02					NA																	
4	FIELD BLANK		5/3/23 TE SAH 5/4/23			1945		2			2						✓	✓					23041537-015
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							
13																							
14																							
15																							
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
JOP-23Q2-Rev 0-Part A-Lab		05/04/23	0810	Allison Colin	5/4/23	0810	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jack Lay

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 05/04/23 0800

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ANALYTICAL REPORT

June 23, 2023

TEKLAB, Inc.

Sample Delivery Group:	L1614550
Samples Received:	05/10/2023
Project Number:	23041537
Description:	
Site:	001
Report To:	Elizabeth Hurley 5445 Horseshoe Lake Road Collinsville, IL 62234

Entire Report Reviewed By:

Mark W. Beasley
Project Manager

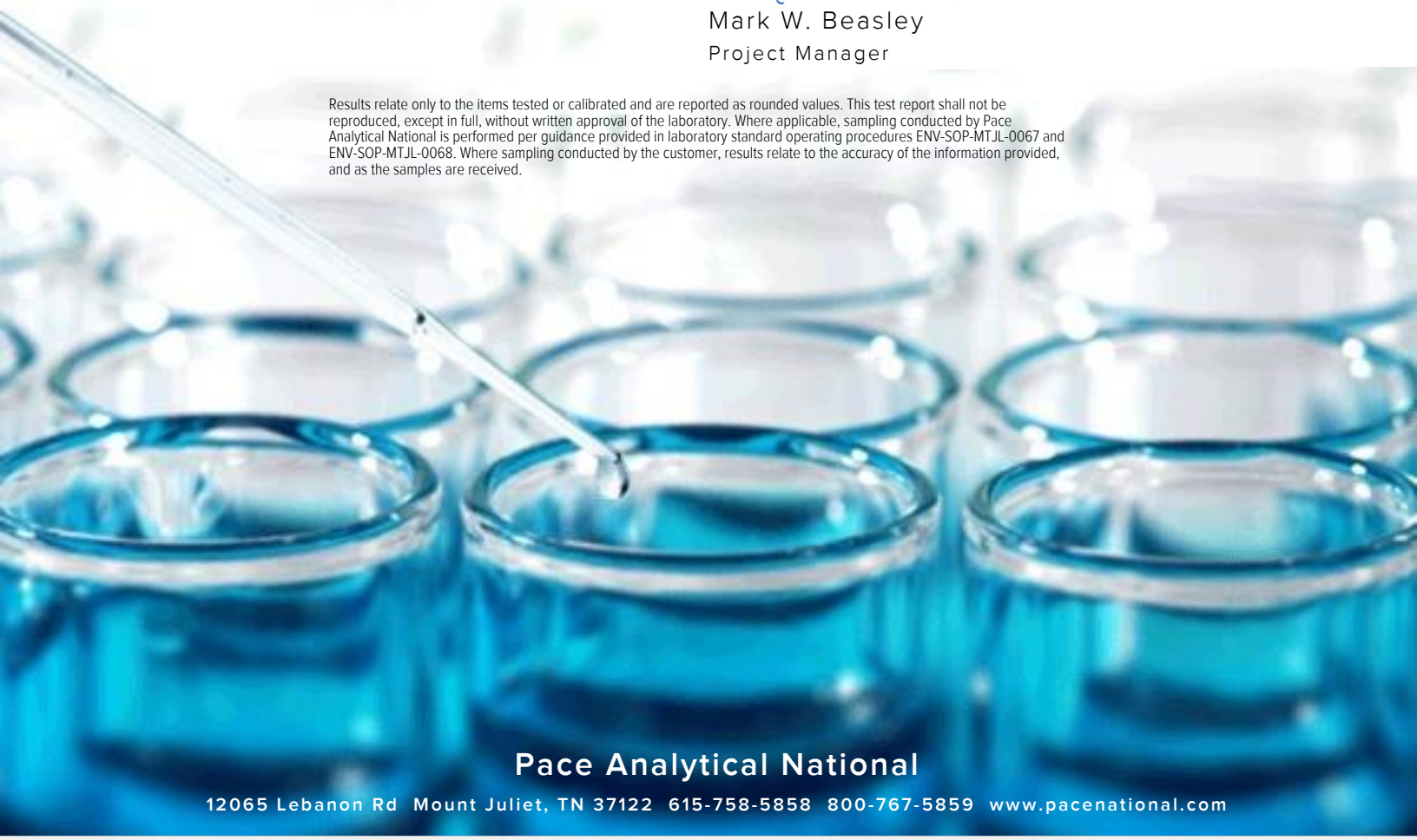

TABLE OF CONTENTS

23041537-001 L1614550-01 Non-Potable Water

Collected by: Joseph Riley | Collected date/time: 05/02/23 09:26 | Received date/time: 05/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2073396	1	06/08/23 08:06	06/14/23 17:51	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2074499	1	06/14/23 16:02	06/16/23 17:46	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2074499	1	06/14/23 16:02	06/16/23 17:46	RGT	Mt. Juliet, TN

23041537-002 L1614550-02 Non-Potable Water

Collected by: Joseph Riley | Collected date/time: 05/03/23 08:49 | Received date/time: 05/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2073396	1	06/08/23 08:06	06/14/23 17:51	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2074499	1	06/14/23 16:02	06/16/23 17:46	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2074499	1	06/14/23 16:02	06/16/23 17:46	RGT	Mt. Juliet, TN

23041537-003 L1614550-03 Non-Potable Water

Collected by: Joseph Riley | Collected date/time: 05/03/23 08:08 | Received date/time: 05/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2073396	1	06/08/23 08:06	06/14/23 17:51	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2074499	1	06/14/23 16:02	06/16/23 17:46	RGT	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2074499	1	06/14/23 16:02	06/16/23 17:46	RGT	Mt. Juliet, TN

23041537-004 L1614550-04 Non-Potable Water

Collected by: Joseph Riley | Collected date/time: 05/03/23 17:01 | Received date/time: 05/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2074004	1	06/08/23 13:31	06/15/23 17:14	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2074499	1	06/14/23 16:02	06/16/23 17:46	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2074499	1	06/14/23 16:02	06/16/23 17:46	RGT	Mt. Juliet, TN

23041537-005 L1614550-05 Non-Potable Water

Collected by: Joseph Riley | Collected date/time: 05/03/23 17:35 | Received date/time: 05/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2074004	1	06/08/23 13:31	06/15/23 17:14	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2074499	1	06/14/23 16:02	06/16/23 17:46	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2074499	1	06/14/23 16:02	06/16/23 17:46	RGT	Mt. Juliet, TN

23041537-006 L1614550-06 Non-Potable Water

Collected by: Joseph Riley | Collected date/time: 05/03/23 16:13 | Received date/time: 05/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2074004	1	06/08/23 13:31	06/15/23 17:14	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2074499	1	06/14/23 16:02	06/16/23 17:46	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2074499	1	06/14/23 16:02	06/16/23 17:46	RGT	Mt. Juliet, TN

23041537-007 L1614550-07 Non-Potable Water

Collected by	Collected date/time	Received date/time
Joseph Riley	05/03/23 15:45	05/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2074004	1	06/08/23 13:31	06/15/23 17:14	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2074499	1	06/14/23 16:02	06/16/23 17:46	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2074499	1	06/14/23 16:02	06/16/23 17:46	RGT	Mt. Juliet, TN

23041537-008 L1614550-08 Non-Potable Water

Collected by	Collected date/time	Received date/time
Joseph Riley	05/03/23 13:13	05/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2074004	1	06/08/23 13:31	06/15/23 17:14	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2074502	1	06/15/23 13:21	06/17/23 16:12	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2074502	1	06/15/23 13:21	06/17/23 16:12	RGT	Mt. Juliet, TN

23041537-009 L1614550-09 Non-Potable Water

Collected by	Collected date/time	Received date/time
Joseph Riley	05/03/23 15:12	05/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2074004	1	06/08/23 13:31	06/15/23 17:14	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2074502	1	06/15/23 13:21	06/17/23 16:12	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2074502	1	06/15/23 13:21	06/17/23 16:12	RGT	Mt. Juliet, TN

23041537-010 L1614550-10 Non-Potable Water

Collected by	Collected date/time	Received date/time
Joseph Riley	05/03/23 10:10	05/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2074004	1	06/08/23 13:31	06/15/23 17:14	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2074502	1	06/15/23 13:21	06/17/23 16:12	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2074502	1	06/15/23 13:21	06/17/23 16:12	RGT	Mt. Juliet, TN

23041537-011 L1614550-11 Non-Potable Water

Collected by	Collected date/time	Received date/time
Joseph Riley	05/03/23 09:28	05/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2074004	1	06/08/23 13:31	06/15/23 17:14	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2074502	1	06/15/23 13:21	06/17/23 16:12	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2074502	1	06/15/23 13:21	06/17/23 16:12	RGT	Mt. Juliet, TN

23041537-015 L1614550-12 Non-Potable Water

Collected by	Collected date/time	Received date/time
Joseph Riley	05/03/23 18:45	05/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2074004	1	06/08/23 13:31	06/15/23 17:14	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2074502	1	06/15/23 13:21	06/17/23 16:12	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2074502	1	06/15/23 13:21	06/17/23 16:12	RGT	Mt. Juliet, TN

23041537-012 L1614550-13 Non-Potable Water

Collected by	Collected date/time	Received date/time
Joseph Riley	05/03/23 14:08	05/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2074004	1	06/08/23 13:31	06/15/23 17:14	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2074502	1	06/15/23 13:21	06/17/23 16:12	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2074502	1	06/15/23 13:21	06/17/23 16:12	RGT	Mt. Juliet, TN

23041537-013 L1614550-14 Non-Potable Water

Collected by	Collected date/time	Received date/time
Joseph Riley	05/03/23 16:18	05/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2074004	1	06/08/23 13:31	06/15/23 17:14	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2074502	1	06/15/23 13:21	06/17/23 16:12	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2074502	1	06/15/23 13:21	06/17/23 16:12	RGT	Mt. Juliet, TN

23041537-014 L1614550-15 Non-Potable Water

Collected by	Collected date/time	Received date/time
Joseph Riley	05/03/23 12:18	05/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2074004	1	06/08/23 13:31	06/15/23 17:14	SNR	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2074502	1	06/15/23 13:21	06/17/23 16:12	SNR	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2074502	1	06/15/23 13:21	06/17/23 16:12	RGT	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley
Project Manager

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.388	J	0.345	0.621	06/14/2023 17:51	WG2073396
(T) Barium	*84.0*			*30.0-143*	*06/14/2023 17:51*	WG2073396
(T) Yttrium	*114*			*30.0-136*	*06/14/2023 17:51*	WG2073396

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.826		0.451	0.695	06/16/2023 17:46	WG2074499

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.438		0.290	0.311	06/16/2023 17:46	WG2074499
(T) Barium-133	*94.2*			*30.0-143*	*06/16/2023 17:46*	WG2074499

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	-0.0275	U	0.329	0.604	06/14/2023 17:51	WG2073396
(T) Barium	*77.7*			*30.0-143*	*06/14/2023 17:51*	WG2073396
(T) Yttrium	*111*			*30.0-136*	*06/14/2023 17:51*	WG2073396

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.475	J	0.446	0.679	06/16/2023 17:46	WG2074499

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.475		0.301	0.310	06/16/2023 17:46	WG2074499
(T) Barium-133	*91.2*			*30.0-143*	*06/16/2023 17:46*	WG2074499

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	-0.0661	U	0.309	0.569	06/14/2023 17:51	WG2073396
(T) Barium	*88.9*			*30.0-143*	*06/14/2023 17:51*	WG2073396
(T) Yttrium	*89.4*			*30.0-136*	*06/14/2023 17:51*	WG2073396

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.754		0.484	0.640	06/16/2023 17:46	WG2074499

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.754		0.373	0.294	06/16/2023 17:46	WG2074499
(T) Barium-133	*91.7*			*30.0-143*	*06/16/2023 17:46*	WG2074499

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.279	J	0.274	0.488	06/15/2023 17:14	WG2074004
(T) Barium	*100*			*30.0-143*	*06/15/2023 17:14*	WG2074004
(T) Yttrium	*97.3*			*30.0-136*	*06/15/2023 17:14*	WG2074004

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.550	J	0.394	0.616	06/16/2023 17:46	WG2074499

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.271	J	0.283	0.376	06/16/2023 17:46	WG2074499
(T) Barium-133	*83.9*			*30.0-143*	*06/16/2023 17:46*	WG2074499

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.274	J	0.326	0.583	06/15/2023 17:14	WG2074004
(T) Barium	*87.6*			*30.0-143*	*06/15/2023 17:14*	WG2074004
(T) Yttrium	*107*			*30.0-136*	*06/15/2023 17:14*	WG2074004

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.869		0.445	0.617	06/16/2023 17:46	WG2074499

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.595		0.303	0.201	06/16/2023 17:46	WG2074499
(T) Barium-133	*91.8*			*30.0-143*	*06/16/2023 17:46*	WG2074499

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.524	J	0.332	0.588	06/15/2023 17:14	WG2074004
(T) Barium	*82.2*			*30.0-143*	*06/15/2023 17:14*	WG2074004
(T) Yttrium	*107*			*30.0-136*	*06/15/2023 17:14*	WG2074004

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.49		0.511	0.651	06/16/2023 17:46	WG2074499

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.970		0.388	0.279	06/16/2023 17:46	WG2074499
(T) Barium-133	*88.9*			*30.0-143*	*06/16/2023 17:46*	WG2074499

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.708		0.367	0.647	06/15/2023 17:14	WG2074004
(T) Barium	*82.1*			*30.0-143*	*06/15/2023 17:14*	WG2074004
(T) Yttrium	*93.9*			*30.0-136*	*06/15/2023 17:14*	WG2074004

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.02		0.446	0.711	06/16/2023 17:46	WG2074499

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.309		0.254	0.295	06/16/2023 17:46	WG2074499
(T) Barium-133	*92.7*			*30.0-143*	*06/16/2023 17:46*	WG2074499

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	-0.0708	U	0.275	0.502	06/15/2023 17:14	WG2074004
(T) Barium	*91.4*			*30.0-143*	*06/15/2023 17:14*	WG2074004
(T) Yttrium	*104*			*30.0-136*	*06/15/2023 17:14*	WG2074004

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.151	U	0.345	0.586	06/17/2023 16:12	WG2074502

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.151	J	0.209	0.303	06/17/2023 16:12	WG2074502
(T) Barium-133	*96.7*			*30.0-143*	*06/17/2023 16:12*	WG2074502

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	-0.178	U	0.296	0.543	06/15/2023 17:14	WG2074004
(T) Barium	*84.9*			*30.0-143*	*06/15/2023 17:14*	WG2074004
(T) Yttrium	*98.1*			*30.0-136*	*06/15/2023 17:14*	WG2074004

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.429	J	0.412	0.622	06/17/2023 16:12	WG2074502

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.429		0.287	0.303	06/17/2023 16:12	WG2074502
(T) Barium-133	*93.0*			*30.0-143*	*06/17/2023 16:12*	WG2074502

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.454	J	0.335	0.597	06/15/2023 17:14	WG2074004
(T) Barium	*66.3*			*30.0-143*	*06/15/2023 17:14*	WG2074004
(T) Yttrium	*100*			*30.0-136*	*06/15/2023 17:14*	WG2074004

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.804		0.425	0.658	06/17/2023 16:12	WG2074502

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.350		0.261	0.276	06/17/2023 16:12	WG2074502
(T) Barium-133	*97.6*			*30.0-143*	*06/17/2023 16:12*	WG2074502

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.726		0.209	0.357	06/15/2023 17:14	WG2074004
(T) Barium	*99.4*			*30.0-143*	*06/15/2023 17:14*	WG2074004
(T) Yttrium	*110*			*30.0-136*	*06/15/2023 17:14*	WG2074004

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	1.31		0.399	0.499	06/17/2023 16:12	WG2074502

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.582		0.340	0.348	06/17/2023 16:12	WG2074502
(T) Barium-133	*90.7*			*30.0-143*	*06/17/2023 16:12*	WG2074502

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	-0.0580	U	0.299	0.543	06/15/2023 17:14	WG2074004
(T) Barium	*105*			*30.0-143*	*06/15/2023 17:14*	WG2074004
(T) Yttrium	*91.0*			*30.0-136*	*06/15/2023 17:14*	WG2074004

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.423	J	0.391	0.576	06/17/2023 16:12	WG2074502

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.423		0.252	0.193	06/17/2023 16:12	WG2074502
(T) Barium-133	*96.0*			*30.0-143*	*06/17/2023 16:12*	WG2074502

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.130	U	0.311	0.566	06/15/2023 17:14	WG2074004
(T) Barium	*90.0*			*30.0-143*	*06/15/2023 17:14*	WG2074004
(T) Yttrium	*75.8*			*30.0-136*	*06/15/2023 17:14*	WG2074004

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.169	U	0.341	0.621	06/17/2023 16:12	WG2074502

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.0391	U	0.140	0.255	06/17/2023 16:12	WG2074502
(T) Barium-133	*97.2*			*30.0-143*	*06/17/2023 16:12*	WG2074502

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	0.104	U	0.231	0.418	06/15/2023 17:14	WG2074004
(T) Barium	*102*			*30.0-143*	*06/15/2023 17:14*	WG2074004
(T) Yttrium	*116*			*30.0-136*	*06/15/2023 17:14*	WG2074004

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.252	J	0.301	0.501	06/17/2023 16:12	WG2074502

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.148	J	0.193	0.276	06/17/2023 16:12	WG2074502
(T) Barium-133	*99.3*			*30.0-143*	*06/17/2023 16:12*	WG2074502

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-228	-0.510	U	0.286	0.534	06/15/2023 17:14	WG2074004
(T) Barium	*96.9*			*30.0-143*	*06/15/2023 17:14*	WG2074004
(T) Yttrium	*99.4*			*30.0-136*	*06/15/2023 17:14*	WG2074004

Radiochemistry by Method Calculation

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
Combined Radium	0.166	U	0.375	0.642	06/17/2023 16:12	WG2074502

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	Uncertainty	MDA	Analysis Date	Batch
	pCi/l		+ / -	pCi/l	date / time	
RADIUM-226	0.166	J	0.243	0.357	06/17/2023 16:12	WG2074502
(T) Barium-133	*95.7*			*30.0-143*	*06/17/2023 16:12*	WG2074502

Method Blank (MB)

(MB) R3938842-1 06/14/23 17:51

Analyte	MB Result	MB Qualifier	MB Uncertainty	MB MDA
	pCi/l		+ / -	pCi/l
Radium-228	0.488		0.154	0.268
(T) Barium	*88.7*		*88.7*	
(T) Yttrium	*104*		*104*	

L1619139-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1619139-09 06/14/23 17:51 • (DUP) R3938842-5 06/14/23 17:51

Analyte	Original Result	Original Uncertainty	Original MDA	DUP Result	DUP Uncertainty	DUP MDA	Dilution	DUP RPD	DUP RER	DUP Qualifier	DUP RPD Limits	DUP RER Limit
	pCi/l	+ / -	pCi/l	pCi/l	+ / -	pCi/l		%			%	
Radium-228	0.206	0.361	0.661	0.734	0.414	0.661	1	112	0.960	J	20	3
(T) Barium	*91.1*			*80.7*	*80.7*							
(T) Yttrium	*103*			*97.4*	*97.4*							

Laboratory Control Sample (LCS)

(LCS) R3938842-2 06/14/23 17:51

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	pCi/l	pCi/l	%	%	
Radium-228	5.00	4.68	93.5	80.0-120	
(T) Barium			*99.0*		
(T) Yttrium			*90.4*		

L1619136-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1619136-03 06/14/23 17:51 • (MS) R3938842-3 06/14/23 17:51 • (MSD) R3938842-4 06/14/23 17:51

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	MS RER	RPD Limits
	pCi/l	pCi/l	pCi/l	pCi/l	%	%		%			%		%
Radium-228	16.7	0.939	15.8	18.5	89.1	105	1	70.0-130			15.3		20
(T) Barium		*79.0*			*81.7*	*85.2*							
(T) Yttrium		*105*			*108*	*95.2*							

Method Blank (MB)

(MB) R3940142-1 06/15/23 17:14

Analyte	MB Result pCi/l	MB Qualifier	MB Uncertainty + / - pCi/l	MB MDA pCi/l
Radium-228	0.0748	U	0.149	0.270
(T) Barium	*100*		*100*	
(T) Yttrium	*92.9*		*92.9*	

L1615408-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1615408-01 06/15/23 17:14 • (DUP) R3940142-5 06/15/23 17:14

Analyte	Original Result pCi/l	Original Uncertainty + / -	Original MDA pCi/l	DUP Result pCi/l	DUP Uncertainty + / -	DUP MDA pCi/l	Dilution	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.0815	0.375	0.686	0.476	0.430	0.686	1	141	0.691	J	20	3
(T) Barium	*101*			*94.0*	*94.0*							
(T) Yttrium	*94.6*			*85.1*	*85.1*							

Laboratory Control Sample (LCS)

(LCS) R3940142-2 06/15/23 17:14

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	4.07	81.3	80.0-120	
(T) Barium			*114*		
(T) Yttrium			*112*		

L1615408-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1615408-04 06/15/23 17:14 • (MS) R3940142-3 06/15/23 17:14 • (MSD) R3940142-4 06/15/23 17:14

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	16.7	0.814	13.8	15.5	77.8	88.2	1	70.0-130			11.8		20
(T) Barium		*107*			*106*	*108*							
(T) Yttrium		*105*			*104*	*100*							

Method Blank (MB)

(MB) R3938909-1 06/16/23 17:46

Analyte	MB Result pCi/l	MB Qualifier	MB Uncertainty + / -	MB MDA pCi/l
Radium-226	0.00379	U	0.0352	0.0716
(T) Barium-133	*90.6*		*90.6*	

L1619139-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1619139-04 06/16/23 17:47 • (DUP) R3938909-5 06/16/23 17:46

Analyte	Original Result pCi/l	Original Uncertainty + / -	Original MDA pCi/l	DUP Result pCi/l	DUP Uncertainty + / -	DUP MDA pCi/l	Dilution	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	0.0414	0.140	0.273	0.175	0.247	0.273	1	124	0.471	J	20	3
(T) Barium-133	*91.3*			*84.9*	*84.9*							

Laboratory Control Sample (LCS)

(LCS) R3938909-2 06/16/23 17:46

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.01	5.35	107	80.0-120	
(T) Barium-133			*87.7*		

L1614550-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1614550-02 06/16/23 17:46 • (MS) R3938909-3 06/16/23 17:46 • (MSD) R3938909-4 06/16/23 17:46

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.475	21.6	22.2	105	109	1	75.0-125			3.11		20
(T) Barium-133		*91.2*			*88.6*	*87.5*							

Method Blank (MB)

(MB) R3938562-1 06/17/23 16:12

Analyte	MB Result	MB Qualifier	MB Uncertainty	MB MDA
	pCi/l		+ / -	pCi/l
Radium-226	0.0228	J	0.0279	0.0421
(T) Barium-133	*90.2*		*90.2*	

L1614550-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1614550-14 06/17/23 16:12 • (DUP) R3938562-5 06/17/23 16:12

Analyte	Original Result	Original Uncertainty	Original MDA	DUP Result	DUP Uncertainty	DUP MDA	Dilution	DUP RPD	DUP RER	DUP Qualifier	DUP RPD Limits	DUP RER Limit
	pCi/l	+ / -	pCi/l	pCi/l	+ / -	pCi/l		%			%	
Radium-226	0.148	0.193	0.276	0.0299	0.176	0.276	1	133	0.451	U	20	3
(T) Barium-133	*99.3*			*99.4*	*99.4*							

Laboratory Control Sample (LCS)

(LCS) R3938562-2 06/17/23 16:12

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	pCi/l	pCi/l	%	%	
Radium-226	5.01	4.64	92.7	80.0-120	
(T) Barium-133			*112*		

L1614550-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1614550-12 06/17/23 16:12 • (MS) R3938562-3 06/17/23 16:12 • (MSD) R3938562-4 06/17/23 16:12

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	MS RER	RPD Limits
	pCi/l	pCi/l	pCi/l	pCi/l	%	%		%			%		%
Radium-226	20.0	0.423	18.8	19.2	91.9	94.0	1	75.0-125			2.21		20
(T) Barium-133		*96.0*			*101*	*92.1*							

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDA	Minimum Detectable Activity.
Rec.	Recovery.
RER	Replicate Error Ratio.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Below Detectable Limits: Indicates that the analyte was not detected.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Pg ___ of ___

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

A178

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: ___ Sampler: Joseph Riley/TEKLAB QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 on your standard turn around time.
Samples collected from an IL site.
Batch QC is required for all analyses requested. EDD requested..

Project# 23041537

Contact: Elizabeth Hurley Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT Billing/PO: 34322 Phone: (618) 344-1004 ext. 33

L614550

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Any changes to analysis/methods must be approved by Teklab, Inc.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228											
-01	23041537-001	5/2/23 9.26	HNO3	Groundwater	✔											
-02	23041537-002	5/3/23 8.49	HNO3	Groundwater	✔											
-03	23041537-003	5/3/23 8.08	HNO3	Groundwater	✔											
-04	23041537-004	5/3/23 17.01	HNO3	Groundwater	✔											
-05	23041537-005	5/3/23 17.35	HNO3	Groundwater	✔											
-06	23041537-006	5/3/23 16.13	HNO3	Groundwater	✔											
-07	23041537-007	5/3/23 15.45	HNO3	Groundwater	✔											
-08	23041537-008	5/3/23 13.13	HNO3	Groundwater	✔											
-09	23041537-009	5/3/23 15.12	HNO3	Groundwater	✔											
-10	23041537-010	5/3/23 10.10	HNO3	Groundwater	✔											
-11	23041537-011	5/3/23 9.28	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
Allison Cole (fedex)	5/4/23	Hailey Robertson	5/10/23 0900

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Cooler Temp: Sampler: Joseph Riley/TEKLAB QC Level: 3

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 on your standard turn around time.
Samples collected from an IL site.
Batch QC is required for all analyses requested. EDD requested..

Project# 23041537

Contact: Elizabeth Hurley Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT Billing/PO: 34322 Phone: (618) 344-1004 ext. 33

L1614550

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Any changes to analysis/methods must be approved by Teklab, Inc.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228
-12	23041537-015	5/3/23 18.45	HNO3	Groundwater	✔
-13	012	1408	HNO3	Groundwater	✔
-14	013	1618	HNO3	Groundwater	✔
-15	014	1218	HNO3	Groundwater	✔
	SAH	5/4/23	HNO3	Groundwater	
			HNO3	Groundwater	
				Groundwater	
				Groundwater	
				Groundwater	
				Groundwater	
				Groundwater	

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RAD Screen <0.5 mR/hr:	Y N		

*Relinquished By	Date/Time	Received By	Date/Time
Allison Colin (Fedex)	5/4/23	Kathy Robertson	5/10/23 0900

U6145550

Tracking Numbers	NS A7 Temperature
6319 3616 1690	20.2 ± 0 = 20.2
6319 3616 1705	21.0 ± 0 = 21.0

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
JOPPA POWER PLANT, EAST ASH POND
JOP-845-401

Site Sampling Event	JOP_Q2_2023									
LIMS Workorder	23041536									
Technician	J. Riley/ J. Colp		hmm	hhmm						
WO Sample	Well ID	Date	Time	Time (adj)	DTB (ft)	DTW (ft)	MP Elev (ft)	GW Elev (ft)	Well Condition	Sampling Device
001A	G01	5/2/2023	926	0926		40.56			Good	Bladder Pump
002A	G02	5/3/2023	849	0849		40.94			Good	Bladder Pump
003A	G03	5/3/2023	808	0808		35.97			Good	Bladder Pump
004A	G05	5/3/2023	1701	1701		40.85			Good	Bladder Pump
005A	G06	5/3/2023	1735	1735		37.95			Good	Bladder Pump
006A	G07	5/3/2023	1812	1812		38.15			Good	Bladder Pump
007A	G08	5/3/2023	1545	1545		29.73			Good	Bladder Pump
008A	G09	5/3/2023	1359	1359		39.04			Good	Bladder Pump
009A	G10	5/3/2023	1512	1512		39.3			Good	Bladder Pump
010A	G11	5/3/2023	1010	1010		45.1			Good	Bladder Pump
011A	G51D	5/3/2023	928	0928		41.82			Good	Bladder Pump
012A	G52D	5/3/2023	1408	1408		27.12			Good	Bladder Pump
013A	G53D	5/3/2023	1618	1618		35.75			Good	Bladder Pump
014A	G54D	5/3/2023	1218	1218		41.25			Good	Bladder Pump
015A	XPW01	5/3/2023	1052	1052		13.93			Good	Bladder Pump
016A	XPW02	5/3/2023	1115	1115		3.45			Good	Bladder Pump
017A	XPW03	5/3/2023	1139	1139		10.03			Good	Bladder Pump
018A	XSG01	05/15/2023	1033	1033		2.39				

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
JOPPA POWER PLANT, EAST ASH POND
JOP-845-401

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536
Technician	J. Riley/ J. Colp

WO Sample	Well ID	Samling Method	Field Filtered	Appearance	Odor	Color	Turbidity (visible)	Ferrous Iron	Transducer SN
001A	G01	Low Flow	Yes	Clear	Slight	None	None	1.117	
002A	G02	Low Flow	Yes	Clear	Slight	None	None	0.914	
003A	G03	Low Flow	Yes	Cloudy	Slight	Lt. Brown	Slight	0.712	
004A	G05	Low Flow	Yes	Clear	None	None	None	0.791	
005A	G06	Low Flow	Yes	Clear	None	None	None	0.421	
006A	G07	Low Flow	Yes	Clear	Slight	Lt. Brown	Slight	0.19	
007A	G08	Low Flow	Yes	Clear	None	None	None	0.81	
008A	G09	Low Flow	Yes	Cloudy	Slight	Lt. Brown	Slight	3.501	
009A	G10	Low Flow	Yes	Clear	None	None	None	0.441	
010A	G11	Low Flow	Yes	Clear	None	None	None	0.612	
011A	G51D	Low Flow	Yes	Clear	None	None	None	0.726	
012A	G52D	Low Flow	Yes	Clear	None	None	None	0.352	
013A	G53D	Low Flow	Yes	Clear	None	None	None	0.819	
014A	G54D	Low Flow	Yes	Clear	Slight	None	None	0.335	
015A	XPW01	Low Flow	Yes	Clear	Slight	None	None	2.91	
016A	XPW02	Low Flow	Yes	Clear	None	None	None	0.912	
017A	XPW03	Low Flow	Yes	Clear	None	None	None	1.202	
018A	XSG01								

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
JOPPA POWER PLANT, EAST ASH POND
JOP-845-401

Site Sampling Event	JOP_Q2_2023								
LIMS Workorder	23041536								
Technician	J. Riley/ J. Colp								
Well ID	Date	Time	Time (adj)	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)
G01	5/2/2023	9:26	0926	15.5	59.9	6.34	682.1	682.1	0.85
G02	5/3/2023	8:49	0849	14.3	57.74	6.46	493.9	493.9	2.07
G03	5/3/2023	8:08	0808	15.3	59.54	6.18	674.4	674.4	3.79
G05	5/3/2023	17:01	1701	17.1	62.78	6.49	753.8	753.8	2.39
G06	5/3/2023	17:35	1735	15.7	60.26	6.63	1008	1008	1.63
G07	5/3/2023	18:12	1812	15.6	60.08	6.38	1053.4	1053.4	1.13
G08	5/3/2023	15:45	1545	17.3	63.14	6.88	1232.4	1232.4	3.38
G09	5/3/2023	13:13	1313	16.9	62.42	6.37	945.7	945.7	0.88
G10	5/3/2023	15:12	1512	17.1	62.78	6.6	1451.5	1451.5	2.68
G11	5/3/2023	10:10	1010	16.5	61.7	5.82	1523.2	1523.2	1.58
G51D	5/3/2023	9:28	0928	16.3	61.34	5.57	514.4	514.4	1.79
G52D	5/3/2023	14:08	1408	16.7	62.06	6.31	572.5	572.5	1.35
G53D	5/3/2023	16:18	1618	16.7	62.06	6.48	644.8	644.8	0.84
G54D	5/3/2023	12:18	1218	16.4	61.52	6.8	1029.6	1029.6	1.68
XPW01	5/3/2023	10:52	1052	16.7	62.06	8.41	1220.5	1220.5	0.84
XPW02	5/3/2023	11:15	1115	17	62.6	7.72	6344.1	6344.1	0.8
XPW03	5/3/2023	11:39	1139	16.9	62.42	10.67	864.4	864.4	1.23
XSG01	05/15/2023	10:33	1033						

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
JOPPA POWER PLANT, EAST ASH POND
JOP-845-401

Site Sampling Event	JOP_Q2_2023								
LIMS Workorder	23041536								
Technician	J. Riley/ J. Colp								
Well ID	Date	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)	DTB (ft)	DTW (ft)	MP Elev (ft)	GW Elev (ft)	LIMS ID
G01	5/2/2023	23.45	144.9			40.56			23041536-001A
G02	5/3/2023	1.34	181.7			40.94			23041536-002A
G03	5/3/2023	125.28	226.2			35.97			23041536-003A
G05	5/3/2023	7.04	127.9			40.85			23041536-004A
G06	5/3/2023	53.82	140.9			37.95			23041536-005A
G07	5/3/2023	173.86	161.4			38.15			23041536-006A
G08	5/3/2023	36.5	129.9			29.73			23041536-007A
G09	5/3/2023	57.57	12.9			39.04			23041536-008A
G10	5/3/2023	59.43	135			39.3			23041536-009A
G11	5/3/2023	21.38	206.6			45.1			23041536-010A
G51D	5/3/2023	31.31	214.1			41.82			23041536-011A
G52D	5/3/2023	0.58	68.1			27.12			23041536-012A
G53D	5/3/2023	0.34	136.7			35.75			23041536-013A
G54D	5/3/2023	4.11	41.7			41.25			23041536-014A
XPW01	5/3/2023	5.18	-33.7			13.93			23041536-015A
XPW02	5/3/2023	2.86	-67.4			3.45			23041536-016A
XPW03	5/3/2023	0.14	-42.1			10.03			23041536-017A
XSG01	05/15/2023					2.39			23041536-018A

Site Sampling Event	JOP_Q2_2023	
LIMS Workorder	23041536	
Technician	J. Riley/ J. Colp	
Well ID	Date	Ferrous Iron
G01	5/2/2023	1.117
G02	5/3/2023	0.914
G03	5/3/2023	0.712
G05	5/3/2023	0.791
G06	5/3/2023	0.421
G07	5/3/2023	0.19
G08	5/3/2023	0.81
G09	5/3/2023	3.501
G10	5/3/2023	0.441
G11	5/3/2023	0.612
G51D	5/3/2023	0.726
G52D	5/3/2023	0.352
G53D	5/3/2023	0.819
G54D	5/3/2023	0.335
XPW01	5/3/2023	2.91
XPW02	5/3/2023	0.912
XPW03	5/3/2023	1.202
XSG01	05/15/2023	

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
JOPPA POWER PLANT, EAST ASH POND
JOP-845-401

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536-001A
Technician	J. Riley/ J. Colp

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)
G01	5/2/2023	9:14	0914	40.56		15.4	59.72	6.6	697.6	697.6
G01	5/2/2023	9:17	0917	40.56		15.5	59.9	6.45	702.8	702.8
G01	5/2/2023	9:20	0920	40.56		15.5	59.9	6.39	723	723
G01	5/2/2023	9:23	0923	40.56		15.3	59.54	6.36	690.7	690.7
G01	5/2/2023	9:26	0926	40.56		15.5	59.9	6.34	682.1	682.1

Site Sampling Event	JOP_Q2_2023				
LIMS Workorder	23041536-001A				
Technician	J. Riley/ J. Colp				
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G01	5/2/2023	0.92	8.53	127.7	
G01	5/2/2023	0.88	10.9	135.8	
G01	5/2/2023	0.87	12.16	140.4	
G01	5/2/2023	0.86	15.66	143.1	
G01	5/2/2023	0.85	23.45	144.9	

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
JOPPA POWER PLANT, EAST ASH POND
JOP-845-401

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536-002A
Technician	J. Riley/ J. Colp

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)
G02	5/3/2023	8:46	0846	40.94		13.6	56.48	6.49	497.5	497.5
G02	5/3/2023	8:49	0849	40.94		14.3	57.74	6.46	493.9	493.9

Site Sampling Event	JOP_Q2_2023				
LIMS Workorder	23041536-002A				
Technician	J. Riley/ J. Colp				
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G02	5/3/2023	6.33	1.25	177.4	
G02	5/3/2023	2.07	1.34	181.7	

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
JOPPA POWER PLANT, EAST ASH POND
JOP-845-401

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536-003A
Technician	J. Riley/ J. Colp

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)
G03	5/3/2023	7:59	0759	35.97		15.2	59.36	6.06	705.8	705.8
G03	5/3/2023	8:02	0802	35.97		15.2	59.36	6.12	691.4	691.4
G03	5/3/2023	8:05	0805	35.97		15.2	59.36	6.16	681.1	681.1
G03	5/3/2023	8:08	0808	35.97		15.3	59.54	6.18	674.4	674.4

Site Sampling Event	JOP_Q2_2023				
LIMS Workorder	23041536-003A				
Technician	J. Riley/ J. Colp				
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G03	5/3/2023	3.82	153.81	235.6	
G03	5/3/2023	3.8	147.07	231.2	
G03	5/3/2023	3.79	131.42	228.3	
G03	5/3/2023	3.79	125.28	226.2	

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536-004A
Technician	J. Riley/ J. Colp

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)
G05	5/3/2023	16:52	1652	40.85		16.7	62.06	6.7	743.9	743.9
G05	5/3/2023	16:55	1655	40.85		16.8	62.24	6.56	748.9	748.9
G05	5/3/2023	16:58	1658	40.85		17.2	62.96	6.51	752.1	752.1
G05	5/3/2023	17:01	1701	40.85		17.1	62.78	6.49	753.8	753.8

Site Sampling Event	JOP_Q2_2023				
LIMS Workorder	23041536-004A				
Technician	J. Riley/ J. Colp				
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G05	5/3/2023	6.09	1.03	131.7	
G05	5/3/2023	4.09	5.61	133.6	
G05	5/3/2023	3	7.87	131.3	
G05	5/3/2023	2.39	7.04	127.9	

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
JOPPA POWER PLANT, EAST ASH POND
JOP-845-401

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536-005A
Technician	J. Riley/ J. Colp

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)
G06	5/3/2023	17:26	1726	37.95		15.8	60.44	6.52	973.9	973.9
G06	5/3/2023	17:29	1729	37.95		15.8	60.44	6.59	1002.6	1002.6
G06	5/3/2023	17:32	1732	37.95		15.7	60.26	6.61	1010.8	1010.8
G06	5/3/2023	17:35	1735	37.95		15.7	60.26	6.63	1008	1008

Site Sampling Event	JOP_Q2_2023				
LIMS Workorder	23041536-005A				
Technician	J. Riley/ J. Colp				
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G06	5/3/2023	3.59	9.62	144.4	
G06	5/3/2023	2.51	36.89	143.8	
G06	5/3/2023	1.94	56.94	142.4	
G06	5/3/2023	1.63	53.82	140.9	

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
JOPPA POWER PLANT, EAST ASH POND
JOP-845-401

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536-006A
Technician	J. Riley/ J. Colp

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)
G07	5/3/2023	18:00	1800	38.15		15.7	60.26	6.46	1059.9	1059.9
G07	5/3/2023	18:03	1803	38.15		15.7	60.26	6.41	1054.9	1054.9
G07	5/3/2023	18:06	1806	38.15		15.6	60.08	6.39	1053.7	1053.7
G07	5/3/2023	18:09	1809	38.15		15.6	60.08	6.38	1051.2	1051.2
G07	5/3/2023	18:12	1812	38.15		15.6	60.08	6.38	1053.4	1053.4

Site Sampling Event	JOP_Q2_2023				
LIMS Workorder	23041536-006A				
Technician	J. Riley/ J. Colp				
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G07	5/3/2023	1.85	61.38	162.2	
G07	5/3/2023	1.35	139.15	163	
G07	5/3/2023	1.23	193.45	162.8	
G07	5/3/2023	1.17	191	162.2	
G07	5/3/2023	1.13	173.86	161.4	

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
JOPPA POWER PLANT, EAST ASH POND
JOP-845-401

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536-007A
Technician	J. Riley/ J. Colp

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)
G08	5/3/2023	15:33	1533	29.73		17.9	64.22	7.27	1109.8	1109.8
G08	5/3/2023	15:36	1536	29.73		17.3	63.14	7.04	1112.4	1112.4
G08	5/3/2023	15:39	1539	29.73		17.4	63.32	6.92	1118	1118
G08	5/3/2023	15:42	1542	29.73		17.4	63.32	6.87	1162.1	1162.1
G08	5/3/2023	15:45	1545	29.73		17.3	63.14	6.88	1232.4	1232.4

Site Sampling Event	JOP_Q2_2023				
LIMS Workorder	23041536-007A				
Technician	J. Riley/ J. Colp				
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G08	5/3/2023	9.26	3.64	132.7	
G08	5/3/2023	6.26	3.24	138	
G08	5/3/2023	3.83	4.69	138.7	
G08	5/3/2023	3.48	17.77	136.8	
G08	5/3/2023	3.38	36.5	129.9	

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
JOPPA POWER PLANT, EAST ASH POND
JOP-845-401

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536-008A
Technician	J. Riley/ J. Colp

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)
G09	5/3/2023	13:04	1304	39.04		16.8	62.24	6.44	932.2	932.2
G09	5/3/2023	13:07	1307	39.04		16.9	62.42	6.41	936.1	936.1
G09	5/3/2023	13:10	1310	39.04		16.8	62.24	6.39	940.7	940.7
G09	5/3/2023	13:13	1313	39.04		16.9	62.42	6.37	945.7	945.7

Site Sampling Event	JOP_Q2_2023				
LIMS Workorder	23041536-008A				
Technician	J. Riley/ J. Colp				
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G09	5/3/2023	0.93	72.76	11.1	
G09	5/3/2023	0.91	66.74	11.3	
G09	5/3/2023	0.89	65.06	12.2	
G09	5/3/2023	0.88	57.57	12.9	

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536-009A
Technician	J. Riley/ J. Colp

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)
G10	5/3/2023	15:00	1500	39.3		16.6	61.88	6.95	1415.2	1415.2
G10	5/3/2023	15:03	1503	39.3		16.9	62.42	6.78	1438.4	1438.4
G10	5/3/2023	15:06	1506	39.3		17.1	62.78	6.64	1476.3	1476.3
G10	5/3/2023	15:09	1509	39.3		17.1	62.78	6.61	1471	1471
G10	5/3/2023	15:12	1512	39.3		17.1	62.78	6.6	1451.5	1451.5

Site Sampling Event	JOP_Q2_2023				
LIMS Workorder	23041536-009A				
Technician	J. Riley/ J. Colp				
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G10	5/3/2023	8.3	3.87	146.5	
G10	5/3/2023	4.9	34.72	142.9	
G10	5/3/2023	3.7	28.42	142.8	
G10	5/3/2023	3.07	47	139.1	
G10	5/3/2023	2.68	59.43	135	

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536-010A
Technician	J. Riley/ J. Colp

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)
G11	5/3/2023	10:01	1001	45.1		16.4	61.52	5.89	1381.4	1381.4
G11	5/3/2023	10:04	1004	45.1		16.5	61.7	5.81	1534.6	1534.6
G11	5/3/2023	10:07	1007	45.1		16.5	61.7	5.81	1549.1	1549.1
G11	5/3/2023	10:10	1010	45.1		16.5	61.7	5.82	1523.2	1523.2

Site Sampling Event	JOP_Q2_2023				
LIMS Workorder	23041536-010A				
Technician	J. Riley/ J. Colp				
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G11	5/3/2023	4.47	2.53	204.4	
G11	5/3/2023	2.63	4.59	207.3	
G11	5/3/2023	2.02	11.44	207.3	
G11	5/3/2023	1.58	21.38	206.6	

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
JOPPA POWER PLANT, EAST ASH POND
JOP-845-401

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536-011A
Technician	J. Riley/ J. Colp

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)
G51D	5/3/2023	9:22	0922	41.82		16.1	60.98	5.81	516.2	516.2
G51D	5/3/2023	9:25	0925	41.82		16.2	61.16	5.6	510.6	510.6
G51D	5/3/2023	9:28	0928	41.82		16.3	61.34	5.57	514.4	514.4

Site Sampling Event	JOP_Q2_2023				
LIMS Workorder	23041536-011A				
Technician	J. Riley/ J. Colp				
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G51D	5/3/2023	6.52	21.63	198.4	
G51D	5/3/2023	2.31	25.7	210.2	
G51D	5/3/2023	1.79	31.31	214.1	

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536-012A
Technician	J. Riley/ J. Colp

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)
G52D	5/3/2023	13:59	1359	27.12		15.6	60.08	6.51	574.9	574.9
G52D	5/3/2023	14:02	1402	27.12		16	60.8	6.36	575.1	575.1
G52D	5/3/2023	14:05	1405	27.12		16.3	61.34	6.32	574.6	574.6
G52D	5/3/2023	14:08	1408	27.12		16.7	62.06	6.31	572.5	572.5

Site Sampling Event	JOP_Q2_2023				
LIMS Workorder	23041536-012A				
Technician	J. Riley/ J. Colp				
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G52D	5/3/2023	3.42	1.65	112.1	
G52D	5/3/2023	1.62	1.23	92.3	
G52D	5/3/2023	1.4	0.98	77.6	
G52D	5/3/2023	1.35	0.58	68.1	

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536-013A
Technician	J. Riley/ J. Colp

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)
G53D	5/3/2023	16:06	1606	35.75		16.8	62.24	6.94	647.8	647.8
G53D	5/3/2023	16:09	1609	35.75		16.8	62.24	6.62	648.5	648.5
G53D	5/3/2023	16:12	1612	35.75		16.7	62.06	6.54	648.3	648.3
G53D	5/3/2023	16:15	1615	35.75		16.7	62.06	6.5	647.8	647.8
G53D	5/3/2023	16:18	1618	35.75		16.7	62.06	6.48	644.8	644.8

Site Sampling Event	JOP_Q2_2023				
LIMS Workorder	23041536-013A				
Technician	J. Riley/ J. Colp				
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G53D	5/3/2023	3.67	2.18	130.9	
G53D	5/3/2023	1.17	2.12	137.3	
G53D	5/3/2023	0.94	1.46	138.5	
G53D	5/3/2023	0.88	0.64	137.9	
G53D	5/3/2023	0.84	0.34	136.7	

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
JOPPA POWER PLANT, EAST ASH POND
JOP-845-401

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536-014A
Technician	J. Riley/ J. Colp

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)
G54D	5/3/2023	12:03	1203	41.25		16.4	61.52	7.25	1069	1069
G54D	5/3/2023	12:06	1206	41.25		16.4	61.52	7.09	1032.6	1032.6
G54D	5/3/2023	12:09	1209	41.25		16.4	61.52	6.97	1027.6	1027.6
G54D	5/3/2023	12:12	1212	41.25		16.4	61.52	6.89	1027.1	1027.1
G54D	5/3/2023	12:15	1215	41.25		16.4	61.52	6.84	1027.8	1027.8
G54D	5/3/2023	12:18	1218	41.25		16.4	61.52	6.8	1029.6	1029.6

Site Sampling Event	JOP_Q2_2023				
LIMS Workorder	23041536-014A				
Technician	J. Riley/ J. Colp				
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
G54D	5/3/2023	1.75	35.88	83.2	
G54D	5/3/2023	1.68	15.87	65.1	
G54D	5/3/2023	1.65	14.78	51.9	
G54D	5/3/2023	1.68	6.06	44.7	
G54D	5/3/2023	1.68	4.51	41.7	
G54D	5/3/2023	1.68	4.11	41.7	

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
JOPPA POWER PLANT, EAST ASH POND
JOP-845-401

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536-015A
Technician	J. Riley/ J. Colp

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)
XPW01	5/3/2023	10:40	1040	13.93		16.4	61.52	7.99	1197.1	1197.1
XPW01	5/3/2023	10:43	1043	13.93		16.6	61.88	8.18	1198.8	1198.8
XPW01	5/3/2023	10:46	1046	13.93		16.7	62.06	8.3	1209.9	1209.9
XPW01	5/3/2023	10:49	1049	13.93		16.7	62.06	8.38	1218.1	1218.1
XPW01	5/3/2023	10:52	1052	13.93		16.7	62.06	8.41	1220.5	1220.5

Site Sampling Event	JOP_Q2_2023				
LIMS Workorder	23041536-015A				
Technician	J. Riley/ J. Colp				
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
XPW01	5/3/2023	1.2	6.02	64.8	
XPW01	5/3/2023	1.02	5.66	38.1	
XPW01	5/3/2023	0.93	5.46	9.5	
XPW01	5/3/2023	0.87	3.47	-15.9	
XPW01	5/3/2023	0.84	5.18	-33.7	

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
JOPPA POWER PLANT, EAST ASH POND
JOP-845-401

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536-016A
Technician	J. Riley/ J. Colp

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)
XPW02	5/3/2023	11:09	1109	3.45		16.9	62.42	7.66	6340.7	6340.7
XPW02	5/3/2023	11:12	1112	3.45		17	62.6	7.7	6342.8	6342.8
XPW02	5/3/2023	11:15	1115	3.45		17	62.6	7.72	6344.1	6344.1

Site Sampling Event	JOP_Q2_2023				
LIMS Workorder	23041536-016A				
Technician	J. Riley/ J. Colp				
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
XPW02	5/3/2023	1.09	3.08	50.1	
XPW02	5/3/2023	0.86	3.55	-27.2	
XPW02	5/3/2023	0.8	2.86	-67.4	

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2023
JOPPA POWER PLANT, EAST ASH POND
JOP-845-401

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536-017A
Technician	J. Riley/ J. Colp

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)
XPW03	5/3/2023	11:33	1133	10.03		16.7	62.06	10.63	856.3	856.3
XPW03	5/3/2023	11:36	1136	10.03		16.8	62.24	10.66	859.7	859.7
XPW03	5/3/2023	11:39	1139	10.03		16.9	62.42	10.67	864.4	864.4

Site Sampling Event	JOP_Q2_2023				
LIMS Workorder	23041536-017A				
Technician	J. Riley/ J. Colp				
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
XPW03	5/3/2023	1.8	1.1	-31.6	
XPW03	5/3/2023	1.36	0.47	-38.5	
XPW03	5/3/2023	1.23	0.14	-42.1	

Site Sampling Event	JOP_Q2_2023
LIMS Workorder	23041536-018A
Technician	J. Colp

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)
XSG01	05/15/2023	1033	1033	2.39						

Site Sampling Event	JOP_Q2_2023				
LIMS Workorder	23041536-018A				
Technician	J. Colp				
Well ID	Date	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
XSG01	05/15/2023				

230 4 1536

Revision 2
Revised 7.22.11

ATTACHMENT 2
845 QUARTERLY REPORT - QUARTER 2, 2023
JOPPA POWER PLANT, EAST ASH POND
JOP-845-401

Field Analysis Log

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. C	pH Results Reading 1	pH Results Reading 2	pH Results LCSD	Conductivity Range Factor	Conductivity Reading 1	Conductivity Reading 2	Other: DF	Other: Read1/units	Other: DF	Other: Read2/units
LCS	5/2/23	0711		6.93				1401					
CCV	↓	1719		7.04				1449					
LCS	5/3/23	0704		6.98				1418					
CCV	↓	1931		7.02				1503					
CCV													

****** Field Meter ID for Temp, pH & Conductivity :** Oakton #15

****** Field Meter ID for (_____) :** _____

	SW846	Std Methods		Lot #		Lot #		Lot #
Field Temp SOP 1156		2550 B	pH 4.0 Buffer	WC 230105A	Conductivity Std. 1412	74610	_____ Std. _____	
pH in the Field SOP 1152	9040B	4500-H B	pH 7.0 Buffer	WC 230210B	Conductivity Std. _____		_____ Std. _____	
Field Cond. SOP 1155	9050A	2510 B	pH 10.0 Buffer	WC 230126C	Conductivity Std. _____		_____ Std. _____	
Other: _____			pH LCS/LCSD 7	WC 221117B	Conductivity LCS/LCSD _____		_____ LCS/LCSD _____	

pH Calibration		Reading
	4.00	
Date:	7.00	
Time:	10.00	

Field Analyst Sig & Date: 5/2/23
Reviewed By & Date:
Reviewed By & Date:

Conductivity Calibration			Reading	units
	µS	0-199.9		µS
1412	µS	0-1999		µS
	mS	0-19.99		mS

Field Analyst Sig & Date:
Reviewed By & Date:
Reviewed By & Date:

_____ Calibration	Reading
Std _____ Units _____	
Std _____ Units _____	
Std _____ Units _____	

Field Analyst Sig & Date:
Reviewed By & Date:
Reviewed By & Date:

Page _____ of _____

Comments:

ATTACHMENT C
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND
QUARTER 2 2023

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G03	UA	E001	Antimony, total	mg/L	03/05/21 - 05/03/23	11	100	All ND - Last	0.001	0.001
G03	UA	E001	Arsenic, total	mg/L	03/05/21 - 05/03/23	11	36	CI around geomean	0.00113	0.0017
G03	UA	E001	Barium, total	mg/L	03/05/21 - 05/03/23	11	0	CI around mean	0.0572	0.254
G03	UA	E001	Beryllium, total	mg/L	03/05/21 - 05/03/23	11	91	CI around median	0.001	0.0011
G03	UA	E001	Boron, total	mg/L	03/05/21 - 05/03/23	11	0	CI around mean	0.224	0.0531
G03	UA	E001	Cadmium, total	mg/L	03/05/21 - 05/03/23	11	100	All ND - Last	0.002	0.001
G03	UA	E001	Chloride, total	mg/L	03/05/21 - 05/03/23	11	0	CI around mean	20.9	32
G03	UA	E001	Chromium, total	mg/L	03/05/21 - 05/03/23	11	9	CI around mean	0.00303	0.0039
G03	UA	E001	Cobalt, total	mg/L	03/05/21 - 05/03/23	11	27	CI around geomean	0.00141	0.0015
G03	UA	E001	Fluoride, total	mg/L	03/05/21 - 05/03/23	11	0	CI around mean	0.189	0.25
G03	UA	E001	Lead, total	mg/L	03/05/21 - 05/03/23	11	27	CI around geomean	0.00117	0.0015
G03	UA	E001	Lithium, total	mg/L	03/05/21 - 05/03/23	11	64	CI around median	0.003	0.003
G03	UA	E001	Mercury, total	mg/L	03/05/21 - 05/03/23	11	100	All ND - Last	0.0002	0.0002
G03	UA	E001	Molybdenum, total	mg/L	03/05/21 - 05/03/23	11	82	CI around median	0.0015	0.0015
G03	UA	E001	Selenium, total	mg/L	03/05/21 - 05/03/23	11	100	All ND - Last	0.001	0.0042
G03	UA	E001	Sulfate, total	mg/L	03/05/21 - 05/03/23	11	0	CI around mean	72.3	39
G03	UA	E001	Thallium, total	mg/L	03/05/21 - 05/03/23	11	100	All ND - Last	0.002	0.002
G03	UA	E001	Total Dissolved Solids	mg/L	03/05/21 - 05/03/23	11	0	CI around geomean	286	334
G03	UA	E001	pH (field)	SU	03/05/21 - 05/03/23	11	0	CI around mean	6.2/6.4	6/6.8
G05	UA	E001	Antimony, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.001	0.001
G05	UA	E001	Arsenic, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.01	0.0017
G05	UA	E001	Barium, total	mg/L	03/04/21 - 05/03/23	11	0	CB around linear reg	0.161	0.254
G05	UA	E001	Beryllium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0005	0.0011
G05	UA	E001	Boron, total	mg/L	03/04/21 - 05/03/23	11	0	CB around linear reg	0.000444	0.0531
G05	UA	E001	Cadmium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.001
G05	UA	E001	Chloride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	16.2	32
G05	UA	E001	Chromium, total	mg/L	03/04/21 - 05/03/23	11	82	CI around median	0.0015	0.0039

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G05	UA	E001	Cobalt, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.007	0.0015
G05	UA	E001	Fluoride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.312	0.25
G05	UA	E001	Lead, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0075	0.0015
G05	UA	E001	Lithium, total	mg/L	03/04/21 - 05/03/23	11	82	CI around median	0.003	0.003
G05	UA	E001	Mercury, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0002	0.0002
G05	UA	E001	Molybdenum, total	mg/L	03/04/21 - 05/03/23	11	9	CI around mean	0.00402	0.0015
G05	UA	E001	Selenium, total	mg/L	03/04/21 - 05/03/23	11	27	CB around linear reg	-0.000273	0.0042
G05	UA	E001	Sulfate, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	82.1	39
G05	UA	E001	Thallium, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.002	0.002
G05	UA	E001	Total Dissolved Solids	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	351	334
G05	UA	E001	pH (field)	SU	03/04/21 - 05/03/23	11	0	CI around mean	6.4/6.5	6/6.8
G06	UA	E001	Antimony, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.001	0.001
G06	UA	E001	Arsenic, total	mg/L	03/04/21 - 05/03/23	11	64	CI around median	0.001	0.0017
G06	UA	E001	Barium, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.0273	0.254
G06	UA	E001	Beryllium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0005	0.0011
G06	UA	E001	Boron, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	3.05	0.0531
G06	UA	E001	Cadmium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.001
G06	UA	E001	Chloride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around median	21	32
G06	UA	E001	Chromium, total	mg/L	03/04/21 - 05/03/23	11	36	CI around mean	0.00119	0.0039
G06	UA	E001	Cobalt, total	mg/L	03/04/21 - 05/03/23	11	54	CI around median	0.001	0.0015
G06	UA	E001	Fluoride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.252	0.25
G06	UA	E001	Lead, total	mg/L	03/04/21 - 05/03/23	11	82	CI around median	0.001	0.0015
G06	UA	E001	Lithium, total	mg/L	03/04/21 - 05/03/23	11	27	CI around median	0.0031	0.003
G06	UA	E001	Mercury, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0002	0.0002
G06	UA	E001	Molybdenum, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.01	0.0015
G06	UA	E001	Selenium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.001	0.0042
G06	UA	E001	Sulfate, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	212	39

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G06	UA	E001	Thallium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.002
G06	UA	E001	Total Dissolved Solids	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	511	334
G06	UA	E001	pH (field)	SU	03/04/21 - 05/03/23	10	0	CI around mean	6.4/6.6	6/6.8
G07	UA	E001	Antimony, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.001	0.001
G07	UA	E001	Arsenic, total	mg/L	03/04/21 - 05/03/23	11	73	CI around median	0.001	0.0017
G07	UA	E001	Barium, total	mg/L	03/04/21 - 05/03/23	11	0	CI around geomean	0.0426	0.254
G07	UA	E001	Beryllium, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.001	0.0011
G07	UA	E001	Boron, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	4.26	0.0531
G07	UA	E001	Cadmium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.001
G07	UA	E001	Chloride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	20.1	32
G07	UA	E001	Chromium, total	mg/L	03/04/21 - 05/03/23	11	36	CI around geomean	0.00187	0.0039
G07	UA	E001	Cobalt, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.00142	0.0015
G07	UA	E001	Fluoride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around median	0.35	0.25
G07	UA	E001	Lead, total	mg/L	03/04/21 - 05/03/23	11	73	CI around median	0.001	0.0015
G07	UA	E001	Lithium, total	mg/L	03/04/21 - 05/03/23	11	64	CI around median	0.003	0.003
G07	UA	E001	Mercury, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0002	0.0002
G07	UA	E001	Molybdenum, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.0015	0.0015
G07	UA	E001	Selenium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.001	0.0042
G07	UA	E001	Sulfate, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	247	39
G07	UA	E001	Thallium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.002
G07	UA	E001	Total Dissolved Solids	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	568	334
G07	UA	E001	pH (field)	SU	03/04/21 - 05/03/23	11	0	CI around mean	6.1/6.6	6/6.8
G08	UA	E001	Antimony, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.001	0.001
G08	UA	E001	Arsenic, total	mg/L	03/04/21 - 05/03/23	11	9	CI around mean	0.00569	0.0017
G08	UA	E001	Barium, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.0467	0.254
G08	UA	E001	Beryllium, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.001	0.0011
G08	UA	E001	Boron, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	4.08	0.0531

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G08	UA	E001	Cadmium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.001
G08	UA	E001	Chloride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around median	14	32
G08	UA	E001	Chromium, total	mg/L	03/04/21 - 05/03/23	11	18	CI around geomean	0.00164	0.0039
G08	UA	E001	Cobalt, total	mg/L	03/04/21 - 05/03/23	11	9	CI around mean	0.00287	0.0015
G08	UA	E001	Fluoride, total	mg/L	03/04/21 - 05/03/23	11	0	CB around linear reg	0.195	0.25
G08	UA	E001	Lead, total	mg/L	03/04/21 - 05/03/23	11	82	CI around median	0.001	0.0015
G08	UA	E001	Lithium, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.003	0.003
G08	UA	E001	Mercury, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0002	0.0002
G08	UA	E001	Molybdenum, total	mg/L	03/04/21 - 05/03/23	11	18	CI around median	0.0017	0.0015
G08	UA	E001	Selenium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.001	0.0042
G08	UA	E001	Sulfate, total	mg/L	03/04/21 - 05/03/23	11	0	CI around geomean	211	39
G08	UA	E001	Thallium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.002
G08	UA	E001	Total Dissolved Solids	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	541	334
G08	UA	E001	pH (field)	SU	03/04/21 - 05/03/23	11	0	CI around median	6.8/7.0	6/6.8
G09	UA	E001	Antimony, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.001	0.001
G09	UA	E001	Arsenic, total	mg/L	03/04/21 - 05/03/23	11	18	CI around mean	0.00215	0.0017
G09	UA	E001	Barium, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.0371	0.254
G09	UA	E001	Beryllium, total	mg/L	03/04/21 - 05/03/23	11	73	CI around median	0.001	0.0011
G09	UA	E001	Boron, total	mg/L	03/04/21 - 05/03/23	11	0	CI around median	3.15	0.0531
G09	UA	E001	Cadmium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.001
G09	UA	E001	Chloride, total	mg/L	03/04/21 - 05/03/23	11	0	CB around linear reg	14.6	32
G09	UA	E001	Chromium, total	mg/L	03/04/21 - 05/03/23	11	27	CI around mean	0.00177	0.0039
G09	UA	E001	Cobalt, total	mg/L	03/04/21 - 05/03/23	11	0	CB around linear reg	-0.00203	0.0015
G09	UA	E001	Fluoride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.275	0.25
G09	UA	E001	Lead, total	mg/L	03/04/21 - 05/03/23	11	64	CI around median	0.001	0.0015
G09	UA	E001	Lithium, total	mg/L	03/04/21 - 05/03/23	11	18	CI around median	0.0034	0.003
G09	UA	E001	Mercury, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0002	0.0002

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G09	UA	E001	Molybdenum, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.01	0.0015
G09	UA	E001	Selenium, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.001	0.0042
G09	UA	E001	Sulfate, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	267	39
G09	UA	E001	Thallium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.002
G09	UA	E001	Total Dissolved Solids	mg/L	03/04/21 - 05/03/23	11	0	CB around linear reg	477	334
G09	UA	E001	pH (field)	SU	03/04/21 - 05/03/23	11	0	CI around median	6.0/6.4	6/6.8
G10	UA	E001	Antimony, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.001	0.001
G10	UA	E001	Arsenic, total	mg/L	03/04/21 - 05/03/23	11	36	CI around median	0.001	0.0017
G10	UA	E001	Barium, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.0401	0.254
G10	UA	E001	Beryllium, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.001	0.0011
G10	UA	E001	Boron, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	3.65	0.0531
G10	UA	E001	Cadmium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.001
G10	UA	E001	Chloride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	26	32
G10	UA	E001	Chromium, total	mg/L	03/04/21 - 05/03/23	11	27	CI around mean	0.00138	0.0039
G10	UA	E001	Cobalt, total	mg/L	03/04/21 - 05/03/23	11	0	CB around linear reg	-0.00146	0.0015
G10	UA	E001	Fluoride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.275	0.25
G10	UA	E001	Lead, total	mg/L	03/04/21 - 05/03/23	11	82	CI around median	0.001	0.0015
G10	UA	E001	Lithium, total	mg/L	03/04/21 - 05/03/23	11	46	CI around median	0.003	0.003
G10	UA	E001	Mercury, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0002	0.0002
G10	UA	E001	Molybdenum, total	mg/L	03/04/21 - 05/03/23	11	64	CI around median	0.0015	0.0015
G10	UA	E001	Selenium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.001	0.0042
G10	UA	E001	Sulfate, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	375	39
G10	UA	E001	Thallium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.002
G10	UA	E001	Total Dissolved Solids	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	753	334
G10	UA	E001	pH (field)	SU	03/04/21 - 05/03/23	11	0	CI around mean	6.5/6.7	6/6.8
G11	UA	E001	Antimony, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.001	0.001
G11	UA	E001	Arsenic, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.01	0.0017

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G11	UA	E001	Barium, total	mg/L	03/04/21 - 05/03/23	11	0	CI around geomean	0.0122	0.254
G11	UA	E001	Beryllium, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.001	0.0011
G11	UA	E001	Boron, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.286	0.0531
G11	UA	E001	Cadmium, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.002	0.001
G11	UA	E001	Chloride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	33.6	32
G11	UA	E001	Chromium, total	mg/L	03/04/21 - 05/03/23	11	82	CI around median	0.0015	0.0039
G11	UA	E001	Cobalt, total	mg/L	03/04/21 - 05/03/23	11	27	CI around geomean	0.000965	0.0015
G11	UA	E001	Fluoride, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.174	0.25
G11	UA	E001	Lead, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0075	0.0015
G11	UA	E001	Lithium, total	mg/L	03/04/21 - 05/03/23	11	18	CI around median	0.0036	0.003
G11	UA	E001	Mercury, total	mg/L	03/04/21 - 05/03/23	11	100	All ND - Last	0.0002	0.0002
G11	UA	E001	Molybdenum, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.0015	0.0015
G11	UA	E001	Selenium, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	0.00444	0.0042
G11	UA	E001	Sulfate, total	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	392	39
G11	UA	E001	Thallium, total	mg/L	03/04/21 - 05/03/23	11	91	CI around median	0.002	0.002
G11	UA	E001	Total Dissolved Solids	mg/L	03/04/21 - 05/03/23	11	0	CI around mean	755	334
G11	UA	E001	pH (field)	SU	03/04/21 - 05/03/23	11	0	CI around median	5.8/5.9	6/6.8
G51D	UA	E001	Antimony, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.001	0.001
G51D	UA	E001	Arsenic, total	mg/L	12/03/15 - 05/03/23	21	100	All ND - Last	0.01	0.0017
G51D	UA	E001	Barium, total	mg/L	12/03/15 - 05/03/23	21	0	CI around median	0.0417	0.254
G51D	UA	E001	Beryllium, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.0005	0.0011
G51D	UA	E001	Boron, total	mg/L	12/03/15 - 05/03/23	22	0	CB around T-S line	0.465	0.0531
G51D	UA	E001	Cadmium, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.002	0.001
G51D	UA	E001	Chloride, total	mg/L	12/03/15 - 05/03/23	22	0	CB around T-S line	2.81	32
G51D	UA	E001	Chromium, total	mg/L	12/03/15 - 05/03/23	21	76	CB around T-S line	0.00144	0.0039
G51D	UA	E001	Cobalt, total	mg/L	12/03/15 - 05/03/23	21	10	CB around T-S line	-0.0129	0.0015
G51D	UA	E001	Fluoride, total	mg/L	12/03/15 - 05/03/23	22	86	CI around median	0.1	0.25

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G51D	UA	E001	Lead, total	mg/L	12/03/15 - 05/03/23	21	100	All ND - Last	0.0075	0.0015
G51D	UA	E001	Lithium, total	mg/L	12/03/15 - 05/03/23	21	5	CB around T-S line	0.00567	0.003
G51D	UA	E001	Mercury, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.0002	0.0002
G51D	UA	E001	Molybdenum, total	mg/L	12/03/15 - 05/03/23	17	100	All ND - Last	0.01	0.0015
G51D	UA	E001	Selenium, total	mg/L	12/03/15 - 05/03/23	21	5	CB around T-S line	0.00426	0.0042
G51D	UA	E001	Sulfate, total	mg/L	12/03/15 - 05/03/23	22	0	CI around median	121	39
G51D	UA	E001	Thallium, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.002	0.002
G51D	UA	E001	Total Dissolved Solids	mg/L	12/03/15 - 05/03/23	22	0	CI around mean	313	334
G51D	UA	E001	pH (field)	SU	12/03/15 - 05/03/23	22	0	CB around T-S line	5.2/5.5	6/6.8
G52D	UA	E001	Antimony, total	mg/L	12/03/15 - 05/03/23	15	100	All ND - Last	0.001	0.001
G52D	UA	E001	Arsenic, total	mg/L	12/03/15 - 05/03/23	20	10	CI around mean	0.00205	0.0017
G52D	UA	E001	Barium, total	mg/L	12/03/15 - 05/03/23	20	0	CB around linear reg	0.108	0.254
G52D	UA	E001	Beryllium, total	mg/L	12/03/15 - 05/03/23	15	100	All ND - Last	0.0005	0.0011
G52D	UA	E001	Boron, total	mg/L	12/03/15 - 05/03/23	21	90	CI around median	0.025	0.0531
G52D	UA	E001	Cadmium, total	mg/L	12/03/15 - 05/03/23	15	100	All ND - Last	0.002	0.001
G52D	UA	E001	Chloride, total	mg/L	12/03/15 - 05/03/23	21	0	CB around linear reg	6.86	32
G52D	UA	E001	Chromium, total	mg/L	12/03/15 - 05/03/23	20	100	All ND - Last	0.005	0.0039
G52D	UA	E001	Cobalt, total	mg/L	12/03/15 - 05/03/23	20	0	CI around mean	0.0028	0.0015
G52D	UA	E001	Fluoride, total	mg/L	12/03/15 - 05/03/23	21	0	CI around median	0.24	0.25
G52D	UA	E001	Lead, total	mg/L	12/03/15 - 05/03/23	20	100	All ND - Last	0.0075	0.0015
G52D	UA	E001	Lithium, total	mg/L	12/03/15 - 05/03/23	20	40	CI around geomean	0.0025	0.003
G52D	UA	E001	Mercury, total	mg/L	12/03/15 - 05/03/23	15	100	All ND - Last	0.0002	0.0002
G52D	UA	E001	Molybdenum, total	mg/L	12/03/15 - 05/03/23	16	75	CI around median	0.001	0.0015
G52D	UA	E001	Selenium, total	mg/L	12/03/15 - 05/03/23	20	95	CI around median	0.001	0.0042
G52D	UA	E001	Sulfate, total	mg/L	12/03/15 - 05/03/23	21	0	CI around mean	80.1	39
G52D	UA	E001	Thallium, total	mg/L	12/03/15 - 05/03/23	15	100	All ND - Last	0.002	0.002
G52D	UA	E001	Total Dissolved Solids	mg/L	12/03/15 - 05/03/23	21	0	CI around mean	336	334

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G52D	UA	E001	pH (field)	SU	12/03/15 - 05/03/23	21	0	CI around mean	6.2/6.4	6/6.8
G53D	UA	E001	Antimony, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.001	0.001
G53D	UA	E001	Arsenic, total	mg/L	12/03/15 - 05/03/23	21	100	All ND - Last	0.01	0.0017
G53D	UA	E001	Barium, total	mg/L	12/03/15 - 05/03/23	21	0	CB around linear reg	0.0193	0.254
G53D	UA	E001	Beryllium, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.0005	0.0011
G53D	UA	E001	Boron, total	mg/L	12/03/15 - 05/03/23	22	0	CI around median	0.334	0.0531
G53D	UA	E001	Cadmium, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.002	0.001
G53D	UA	E001	Chloride, total	mg/L	12/03/15 - 05/03/23	22	0	CI around median	18	32
G53D	UA	E001	Chromium, total	mg/L	12/03/15 - 05/03/23	21	86	CB around T-S line	0.00144	0.0039
G53D	UA	E001	Cobalt, total	mg/L	12/03/15 - 05/03/23	21	19	CI around geomean	0.0014	0.0015
G53D	UA	E001	Fluoride, total	mg/L	12/03/15 - 05/03/23	22	0	CI around mean	0.636	0.25
G53D	UA	E001	Lead, total	mg/L	12/03/15 - 05/03/23	21	100	All ND - Last	0.0075	0.0015
G53D	UA	E001	Lithium, total	mg/L	12/03/15 - 05/03/23	21	52	CB around T-S line	0.00266	0.003
G53D	UA	E001	Mercury, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.0002	0.0002
G53D	UA	E001	Molybdenum, total	mg/L	12/03/15 - 05/03/23	17	88	CB around T-S line	0.001	0.0015
G53D	UA	E001	Selenium, total	mg/L	12/03/15 - 05/03/23	21	100	All ND - Last	0.001	0.0042
G53D	UA	E001	Sulfate, total	mg/L	12/03/15 - 05/03/23	22	0	CB around T-S line	37.7	39
G53D	UA	E001	Thallium, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.002	0.002
G53D	UA	E001	Total Dissolved Solids	mg/L	12/03/15 - 05/03/23	22	0	CB around T-S line	255	334
G53D	UA	E001	pH (field)	SU	12/03/15 - 05/03/23	22	0	CI around median	6.5/6.8	6/6.8
G54D	UA	E001	Antimony, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.001	0.001
G54D	UA	E001	Arsenic, total	mg/L	12/03/15 - 05/03/23	21	48	CB around T-S line	-0.000438	0.0017
G54D	UA	E001	Barium, total	mg/L	12/03/15 - 05/03/23	21	0	CB around T-S line	0.0631	0.254
G54D	UA	E001	Beryllium, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.0005	0.0011
G54D	UA	E001	Boron, total	mg/L	12/03/15 - 05/03/23	22	0	CI around mean	0.469	0.0531
G54D	UA	E001	Cadmium, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.002	0.001
G54D	UA	E001	Chloride, total	mg/L	12/03/15 - 05/03/23	22	4	CB around T-S line	9.56	32

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G54D	UA	E001	Chromium, total	mg/L	12/03/15 - 05/03/23	21	67	CI around median	0.0015	0.0039
G54D	UA	E001	Cobalt, total	mg/L	12/03/15 - 05/03/23	21	0	CB around linear reg	0.0031	0.0015
G54D	UA	E001	Fluoride, total	mg/L	12/03/15 - 05/03/23	22	0	CB around linear reg	0.257	0.25
G54D	UA	E001	Lead, total	mg/L	12/03/15 - 05/03/23	21	100	All ND - Last	0.0075	0.0015
G54D	UA	E001	Lithium, total	mg/L	12/03/15 - 05/03/23	21	14	CB around linear reg	0.00109	0.003
G54D	UA	E001	Mercury, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.0002	0.0002
G54D	UA	E001	Molybdenum, total	mg/L	12/03/15 - 05/03/23	17	94	CB around T-S line	0.001	0.0015
G54D	UA	E001	Selenium, total	mg/L	12/03/15 - 05/03/23	21	100	All ND - Last	0.001	0.0042
G54D	UA	E001	Sulfate, total	mg/L	12/03/15 - 05/03/23	22	0	CB around linear reg	175	39
G54D	UA	E001	Thallium, total	mg/L	12/03/15 - 05/03/23	16	100	All ND - Last	0.002	0.002
G54D	UA	E001	Total Dissolved Solids	mg/L	12/03/15 - 05/03/23	22	0	CI around mean	490	334
G54D	UA	E001	pH (field)	SU	12/03/15 - 05/03/23	22	0	CI around mean	6.6/6.8	6/6.8

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:

All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown

CB around T-S line = Confidence band around Thiel-Sen line

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

Statistical Result = calculated in accordance with Statistical Analysis Plan using constituent concentrations observed at monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits of the background determination