

DATA SUMMARY POSTING

Station: Midwest Generation Joliet #9 Generating Station

Regulated Unit(s): Lincoln Stone Quarry (IEPA ID No. W1970450046-01)

In accordance with the new Ill. Adm. Code Title 35, Part 845: Standards for the Disposal of Coal Combustion Residuals in Surface Impoundments (State CCR Rule) groundwater monitoring was completed during the 3rd quarter 2022 which includes the entire list of parameters specified under Section 845.600(a)(1) and (b). Table 1 is a summary table of all available CCR monitoring data to date including any data generated previously as part of the Federal CCR Rule monitoring. In addition, Table 2 provides a summary of turbidity data which was collected as part of State CCR Rule requirements which is a data parameter that was not required under the Federal CCR Rule.

No background statistics or proposed Groundwater Protection Standards are included on these tables. The background statistics and Proposed Groundwater Protection Standards were submitted to Illinois Environmental Protection Agency (EPA) as part of the Application for Initial Operating Permit submitted October 31, 2021. Upon Illinois EPA approval of the Operating Permit and Proposed Groundwater Protection Standards, the approved comparison values will be included on the tables for subsequent data comparisons/evaluations.

Table 2. Groundwater Turbidity - Midwest Generation, LLC, Joliet #9 Generating Station

Well ID	Date	Turbidity (NTU)
G45S	3/12/2021	0.87
	4/5/2021	0.33
	4/23/2021	0.54
	5/18/2021	0.36
	6/8/2021	0.64
	7/2/2021	1.4
	8/12/2021	0.36
	9/2/2021	0.46
	12/16/2021	0.89
	3/16/2022	0.98
	6/10/2022	0.03
9/26/2022	0.29	
T03S	3/15/2021	2.42
	4/1/2021	0.44
	4/22/2021	94
	5/17/2021	0.47
	6/7/2021	0.47
	7/1/2021	0.3
	8/12/2021	0.34
	9/1/2021	0.67
	12/9/2021	0.56
	3/14/2022	0.65
	6/13/2022	-0.1
9/29/2022	0.53	
R08S	3/12/2021	0.19
	4/1/2021	0.46
	4/23/2021	0.34
	5/18/2021	0.24
	6/8/2021	0.2
	7/1/2021	0.17
	8/12/2021	0.58
	9/2/2021	0.42
	12/14/2021	0.57
	3/11/2022	0.52
	6/7/2022	0.23
9/19/2022	0.36	
G20S	3/12/2021	0.32
	4/1/2021	0.29
	4/22/2021	0.14
	5/18/2021	0.63
	6/8/2021	0.2
	7/1/2021	0.29
	8/12/2021	0.32
	9/2/2021	0.48
	12/10/2021	1.28
	3/15/2022	0.46
	6/7/2022	0.5
9/19/2022	2.47	
G30S	3/12/2021	0.05
	4/2/2021	0.14
	4/23/2021	0.25
	5/18/2021	0.43
	6/8/2021	0.61
	7/2/2021	0.48
	8/13/2021	0.31
	9/2/2021	0.48
	12/15/2021	0.09
	3/15/2022	0.45
	6/10/2022	0.16
9/28/2022	0.61	

Table 2. Groundwater Turbidity - Midwest Generation, LLC, Joliet #9 Generating Station

Well ID	Date	Turbidity (NTU)
R32S	3/12/2021	0.42
	4/5/2021	0.81
	4/23/2021	1.23
	5/18/2021	1.78
	6/8/2021	1.14
	7/2/2021	0.42
	8/13/2021	0.57
	9/30/2021	0.39
	12/15/2021	0.84
	3/16/2022	1.31
	6/10/2022	-0.1
9/26/2022	0.66	
G44S	3/15/2021	3.66
	4/5/2021	3.89
	4/23/2021	3.31
	5/18/2021	1.41
	6/8/2021	1.42
	7/2/2021	1.37
	8/12/2021	1.56
	9/2/2021	1.38
	12/16/2021	1.29
	3/15/2022	1.09
	6/9/2022	0.78
9/26/2022	0.86	
G46S	3/15/2021	18.4
	4/5/2021	106.5
	4/23/2021	59.2
	5/18/2021	181
	6/8/2021	3140
	7/1/2021	11.6
	8/12/2021	112
	9/2/2021	43.3
	12/15/2021	73.1
	3/11/2022	99.3
	6/9/2022	6.63
9/26/2022	34.4	
G47S	3/15/2021	0.12
	4/5/2021	0.1
	4/22/2021	0.16
	5/18/2021	0.14
	6/8/2021	0.53
	7/1/2021	0.3
	8/13/2021	0.18
	9/2/2021	0.68
	12/16/2021	0.59
	3/16/2022	0.26
	6/9/2022	-0.11
9/26/2022	0.35	
G48S	3/15/2021	0.47
	4/5/2021	0.14
	4/22/2021	0.22
	5/18/2021	0.44
	6/8/2021	0.24
	7/1/2021	0.91
	8/13/2021	0.23
	9/2/2021	0.63
	12/16/2021	0.62
	3/16/2022	0.31
	6/9/2022	0.22
9/26/2022	0.96	

ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-222492-1
Client Project/Site: Joliet #9 (Quarry) CCR 3Q22

For:
Midwest Generation EME LLC
1800 Channahon Road
Joliet, Illinois 60436

Attn: John Niedzwiecki



Authorized for release by:
10/19/2022 4:22:46 PM

Diana Mockler, Project Manager I
(219)252-7570
Diana.Mockler@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Method Summary	4
Sample Summary	5
Client Sample Results	6
Definitions	25
QC Association	26
QC Sample Results	35
Chain of Custody	49
Receipt Checklists	57
Chronicle	58
Field Data Sheets	66

Case Narrative

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Job ID: 500-222492-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative 500-222492-1

Comments

No additional comments.

Receipt

The samples were received on 9/19/2022 2:10 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 0.1° C, 0.8° C, 1.4° C, 1.5° C, 1.5° C and 3.0° C.

Metals

Method 6020A: The continuing calibration verification (CCV) at line 44, was outside the control limits for Boron bracketing the laboratory control sample (LCS). The LCS were within the method control limits. The associated samples were bracketed by CCV that were within control limits. Therefore, the data have been reported.

Method 6020A: The low level continuing calibration verification (ICVL/CCVL) associated with batch 500-676808 recovered above the upper control limit for Beryllium. The samples associated with this ICVL/CCVL were non-detects for the affected analyte; therefore, the data have been reported.

Method 6020A: The initial low level continuing calibration verification (ICVL) associated with batch 500-677063 recovered above the upper control limit for Beryllium. The samples associated with this ICVL were non-detects for the affected analyte; therefore, the data have been reported.

Method 6020A: The internal standard Terbium (Tb) was used to report the elements Lead and Thallium in batch 500-677574. This was due to the LCS being spiked with the trace digestion spike which contains Bismuth.

Method 6020A: The initial low level continuing calibration verification (ICVL) associated with batch 500-677574 recovered above the upper control limit for Beryllium. The samples associated with this ICVL were non-detects for the affected analyte; therefore, the data have been reported.

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

General Chemistry

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-676645 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-677311 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Method Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Method	Method Description	Protocol	Laboratory
6020A	Metals (ICP/MS)	SW846	EET CHI
7470A	Mercury (CVAA)	SW846	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 4500 Cl- E	Chloride, Total	SM	EET CHI
SM 4500 F C	Fluoride	SM	EET CHI
SM 4500 SO4 E	Sulfate, Total	SM	EET CHI
Field Sampling	Field Sampling	EPA	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
7470A	Preparation, Mercury	SW846	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-222492-1	G20S	Water	09/19/22 09:05	09/19/22 14:10
500-222492-2	R08S	Water	09/19/22 13:00	09/19/22 14:10
500-222492-3	G47S	Water	09/22/22 10:35	09/22/22 14:47
500-222492-4	G48S	Water	09/22/22 12:59	09/22/22 14:47
500-222492-5	G46S	Water	09/26/22 09:11	09/26/22 14:25
500-222492-6	G45S	Water	09/26/22 10:31	09/26/22 14:25
500-222492-7	G44S	Water	09/26/22 12:18	09/26/22 14:25
500-222492-8	R32S	Water	09/26/22 13:21	09/26/22 14:25
500-222492-9	T09S	Water	09/27/22 09:08	09/27/22 14:28
500-222492-10	T06S	Water	09/27/22 10:30	09/27/22 14:28
500-222492-11	T05S	Water	09/27/22 11:46	09/27/22 14:28
500-222492-12	G31S	Water	09/27/22 13:31	09/27/22 14:28
500-222492-13	T01S	GW	09/28/22 09:32	09/28/22 15:27
500-222492-14	G30S	GW	09/28/22 12:03	09/28/22 15:27
500-222492-15	G33S	Water	09/28/22 14:03	09/28/22 15:27
500-222492-16	T02S	Water	09/29/22 09:29	09/29/22 14:58
500-222492-17	T08S	Water	09/29/22 11:31	09/29/22 14:58
500-222492-18	T03S	Water	09/29/22 13:37	09/29/22 14:58
500-222492-19	DUP	Water	09/29/22 13:37	09/29/22 14:58



Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: G20S

Lab Sample ID: 500-222492-1

Date Collected: 09/19/22 09:05

Matrix: Water

Date Received: 09/19/22 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/22/22 09:12	09/23/22 15:33	1
Arsenic	0.0017		0.0010		mg/L		09/22/22 09:12	09/23/22 15:33	1
Barium	0.090		0.0025		mg/L		09/22/22 09:12	09/23/22 15:33	1
Beryllium	<0.0010		0.0010		mg/L		09/22/22 09:12	09/23/22 15:33	1
Boron	1.4		0.25		mg/L		09/22/22 09:12	09/23/22 18:27	5
Cadmium	<0.00050		0.00050		mg/L		09/22/22 09:12	09/23/22 15:33	1
Calcium	58		0.20		mg/L		09/22/22 09:12	09/23/22 15:33	1
Chromium	<0.0050		0.0050		mg/L		09/22/22 09:12	09/23/22 15:33	1
Cobalt	0.014		0.0010		mg/L		09/22/22 09:12	09/23/22 15:33	1
Lead	<0.00050		0.00050		mg/L		09/22/22 09:12	09/23/22 15:33	1
Lithium	0.039		0.010		mg/L		09/22/22 09:12	09/23/22 15:33	1
Molybdenum	0.012		0.0050		mg/L		09/22/22 09:12	09/23/22 15:33	1
Selenium	<0.0025		0.0025		mg/L		09/22/22 09:12	09/23/22 15:33	1
Thallium	<0.0020		0.0020		mg/L		09/22/22 09:12	09/23/22 15:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/22/22 15:25	09/23/22 08:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	410		10		mg/L			09/26/22 13:48	1
Chloride (SM 4500 Cl- E)	17		2.0		mg/L			09/22/22 12:41	1
Fluoride (SM 4500 F C)	0.78		0.10		mg/L			09/22/22 16:34	1
Sulfate (SM 4500 SO4 E)	55	F1	10		mg/L			09/27/22 14:12	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	71.16				ft			09/19/22 09:05	1
Depth to Water (ft from MP)	73.94				ft			09/19/22 09:05	1
Elevation of well (ft from MP)	580.87				ft			09/19/22 09:05	1
Field pH	7.58				SU			09/19/22 09:05	1
Field Temperature	70.2				Degrees F			09/19/22 09:05	1
Ground Water Elevation	506.93				ft			09/19/22 09:05	1
Specific Conductance	661				umhos/cm			09/19/22 09:05	1
Well bottom elevation	442.28				ft			09/19/22 09:05	1
Field Turbidity	2.47				NTU			09/19/22 09:05	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: R08S

Lab Sample ID: 500-222492-2

Date Collected: 09/19/22 13:00

Matrix: Water

Date Received: 09/19/22 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/22/22 09:12	09/23/22 15:37	1
Arsenic	0.0013		0.0010		mg/L		09/22/22 09:12	09/23/22 15:37	1
Barium	0.038		0.0025		mg/L		09/22/22 09:12	09/23/22 15:37	1
Beryllium	<0.0010		0.0010		mg/L		09/22/22 09:12	09/23/22 15:37	1
Boron	8.4		1.0		mg/L		09/22/22 09:12	09/23/22 18:31	20
Cadmium	<0.00050		0.00050		mg/L		09/22/22 09:12	09/23/22 15:37	1
Calcium	140		0.20		mg/L		09/22/22 09:12	09/23/22 15:37	1
Chromium	<0.0050		0.0050		mg/L		09/22/22 09:12	09/23/22 15:37	1
Cobalt	<0.0010		0.0010		mg/L		09/22/22 09:12	09/23/22 15:37	1
Lead	<0.00050		0.00050		mg/L		09/22/22 09:12	09/23/22 15:37	1
Lithium	0.15		0.010		mg/L		09/22/22 09:12	09/23/22 15:37	1
Molybdenum	0.39		0.0050		mg/L		09/22/22 09:12	09/23/22 15:37	1
Selenium	0.015		0.0025		mg/L		09/22/22 09:12	09/23/22 15:37	1
Thallium	<0.0020		0.0020		mg/L		09/22/22 09:12	09/23/22 15:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/22/22 15:25	09/23/22 08:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	780		10		mg/L			09/26/22 13:50	1
Chloride (SM 4500 Cl- E)	79		4.0		mg/L			09/22/22 14:20	2
Fluoride (SM 4500 F C)	0.14		0.10		mg/L			09/22/22 16:37	1
Sulfate (SM 4500 SO4 E)	430		100		mg/L			09/27/22 14:13	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	64.66				ft			09/19/22 13:00	1
Depth to Water (ft from MP)	67.21				ft			09/19/22 13:00	1
Elevation of well (ft from MP)	578.66				ft			09/19/22 13:00	1
Field pH	8.47				SU			09/19/22 13:00	1
Field Temperature	60.1				Degrees F			09/19/22 13:00	1
Ground Water Elevation	511.45				ft			09/19/22 13:00	1
Specific Conductance	1033				umhos/cm			09/19/22 13:00	1
Well bottom elevation	453.08				ft			09/19/22 13:00	1
Field Turbidity	0.36				NTU			09/19/22 13:00	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: G47S

Lab Sample ID: 500-222492-3

Date Collected: 09/22/22 10:35

Matrix: Water

Date Received: 09/22/22 14:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/27/22 08:37	09/27/22 17:18	1
Arsenic	0.064		0.0010		mg/L		09/27/22 08:37	09/27/22 17:18	1
Barium	0.011		0.0025		mg/L		09/27/22 08:37	09/27/22 17:18	1
Beryllium	<0.0010	^1+ ^+	0.0010		mg/L		09/27/22 08:37	09/27/22 17:18	1
Boron	10		1.0		mg/L		09/27/22 08:37	09/28/22 12:25	20
Cadmium	<0.00050		0.00050		mg/L		09/27/22 08:37	09/27/22 17:18	1
Calcium	5.8		0.20		mg/L		09/27/22 08:37	09/27/22 17:18	1
Chromium	<0.0050		0.0050		mg/L		09/27/22 08:37	09/27/22 17:18	1
Cobalt	<0.0010		0.0010		mg/L		09/27/22 08:37	09/27/22 17:18	1
Lead	<0.00050		0.00050		mg/L		09/27/22 08:37	09/27/22 17:18	1
Lithium	0.044		0.010		mg/L		09/27/22 08:37	09/27/22 17:18	1
Molybdenum	0.71		0.0050		mg/L		09/27/22 08:37	09/27/22 17:18	1
Selenium	<0.0025		0.0025		mg/L		09/27/22 08:37	09/27/22 17:18	1
Thallium	<0.0020		0.0020		mg/L		09/27/22 08:37	09/27/22 17:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/22 15:20	09/28/22 07:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			09/28/22 17:37	1
Chloride (SM 4500 Cl- E)	100		10		mg/L			09/23/22 16:15	5
Fluoride (SM 4500 F C)	0.90		0.10		mg/L			10/01/22 11:00	1
Sulfate (SM 4500 SO4 E)	510		100		mg/L			09/27/22 14:13	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	86.35				ft			09/22/22 10:35	1
Depth to Water (ft from MP)	88.85				ft			09/22/22 10:35	1
Elevation of well (ft from MP)	612.23				ft			09/22/22 10:35	1
Field pH	9.85				SU			09/22/22 10:35	1
Field Temperature	58.3				Degrees F			09/22/22 10:35	1
Ground Water Elevation	523.38				ft			09/22/22 10:35	1
Specific Conductance	1810				umhos/cm			09/22/22 10:35	1
Well bottom elevation	459.84				ft			09/22/22 10:35	1
Field Turbidity	0.35				NTU			09/22/22 10:35	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: G48S

Lab Sample ID: 500-222492-4

Date Collected: 09/22/22 12:59

Matrix: Water

Date Received: 09/22/22 14:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/27/22 08:37	09/27/22 17:21	1
Arsenic	0.011		0.0010		mg/L		09/27/22 08:37	09/27/22 17:21	1
Barium	0.019		0.0025		mg/L		09/27/22 08:37	09/27/22 17:21	1
Beryllium	<0.0010	^1+ ^+	0.0010		mg/L		09/27/22 08:37	09/27/22 17:21	1
Boron	6.8		1.0		mg/L		09/27/22 08:37	09/28/22 12:29	20
Cadmium	<0.00050		0.00050		mg/L		09/27/22 08:37	09/27/22 17:21	1
Calcium	34		0.20		mg/L		09/27/22 08:37	09/27/22 17:21	1
Chromium	<0.0050		0.0050		mg/L		09/27/22 08:37	09/27/22 17:21	1
Cobalt	<0.0010		0.0010		mg/L		09/27/22 08:37	09/27/22 17:21	1
Lead	<0.00050		0.00050		mg/L		09/27/22 08:37	09/27/22 17:21	1
Lithium	0.023		0.010		mg/L		09/27/22 08:37	09/27/22 17:21	1
Molybdenum	0.43		0.0050		mg/L		09/27/22 08:37	09/27/22 17:21	1
Selenium	<0.0025		0.0025		mg/L		09/27/22 08:37	09/27/22 17:21	1
Thallium	<0.0020		0.0020		mg/L		09/27/22 08:37	09/27/22 17:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/22 15:20	09/28/22 07:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	950		10		mg/L			09/28/22 17:42	1
Chloride (SM 4500 Cl- E)	98		10		mg/L			09/23/22 16:16	5
Fluoride (SM 4500 F C)	0.97		0.10		mg/L			10/01/22 11:13	1
Sulfate (SM 4500 SO4 E)	430		100		mg/L			09/27/22 14:13	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	102.41				ft			09/22/22 12:59	1
Depth to Water (ft from MP)	104.86				ft			09/22/22 12:59	1
Elevation of well (ft from MP)	620.77				ft			09/22/22 12:59	1
Field pH	8.14				SU			09/22/22 12:59	1
Field Temperature	59.2				Degrees F			09/22/22 12:59	1
Ground Water Elevation	515.91				ft			09/22/22 12:59	1
Specific Conductance	1445				umhos/cm			09/22/22 12:59	1
Well bottom elevation	468.32				ft			09/22/22 12:59	1
Field Turbidity	0.96				NTU			09/22/22 12:59	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: G46S

Lab Sample ID: 500-222492-5

Date Collected: 09/26/22 09:11

Matrix: Water

Date Received: 09/26/22 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/27/22 08:37	09/27/22 17:32	1
Arsenic	0.11		0.0010		mg/L		09/27/22 08:37	09/27/22 17:32	1
Barium	0.057		0.0025		mg/L		09/27/22 08:37	09/27/22 17:32	1
Beryllium	<0.0010	^1+ ^+	0.0010		mg/L		09/27/22 08:37	09/27/22 17:32	1
Boron	11		2.5		mg/L		09/27/22 08:37	09/28/22 12:32	50
Cadmium	<0.00050		0.00050		mg/L		09/27/22 08:37	09/27/22 17:32	1
Calcium	120		0.20		mg/L		09/27/22 08:37	09/27/22 17:32	1
Chromium	<0.0050		0.0050		mg/L		09/27/22 08:37	09/27/22 17:32	1
Cobalt	<0.0010		0.0010		mg/L		09/27/22 08:37	09/27/22 17:32	1
Lead	<0.00050		0.00050		mg/L		09/27/22 08:37	09/27/22 17:32	1
Lithium	0.19		0.010		mg/L		09/27/22 08:37	09/27/22 17:32	1
Molybdenum	1.7		0.0050		mg/L		09/27/22 08:37	09/27/22 17:32	1
Selenium	<0.0025		0.0025		mg/L		09/27/22 08:37	09/27/22 17:32	1
Thallium	<0.0020		0.0020		mg/L		09/27/22 08:37	09/27/22 17:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/22 15:20	09/28/22 07:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1000		10		mg/L			09/30/22 14:08	1
Chloride (SM 4500 Cl- E)	63		10		mg/L			09/27/22 12:10	5
Fluoride (SM 4500 F C)	0.31		0.10		mg/L			10/01/22 11:15	1
Sulfate (SM 4500 SO4 E)	580		100		mg/L			09/27/22 14:13	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	93.90				ft			09/26/22 09:11	1
Depth to Water (ft from MP)	96.60				ft			09/26/22 09:11	1
Elevation of well (ft from MP)	601.41				ft			09/26/22 09:11	1
Field pH	7.31				SU			09/26/22 09:11	1
Field Temperature	55.2				Degrees F			09/26/22 09:11	1
Ground Water Elevation	504.81				ft			09/26/22 09:11	1
Specific Conductance	1388				umhos/cm			09/26/22 09:11	1
Well bottom elevation	453.62				ft			09/26/22 09:11	1
Field Turbidity	34.40				NTU			09/26/22 09:11	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: G45S

Lab Sample ID: 500-222492-6

Date Collected: 09/26/22 10:31

Matrix: Water

Date Received: 09/26/22 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/27/22 08:37	09/27/22 17:35	1
Arsenic	0.0086		0.0010		mg/L		09/27/22 08:37	09/27/22 17:35	1
Barium	0.042		0.0025		mg/L		09/27/22 08:37	09/27/22 17:35	1
Beryllium	<0.0010	^1+ ^+	0.0010		mg/L		09/27/22 08:37	09/27/22 17:35	1
Boron	0.48		0.050		mg/L		09/27/22 08:37	09/28/22 12:35	1
Cadmium	<0.00050		0.00050		mg/L		09/27/22 08:37	09/27/22 17:35	1
Calcium	97		0.20		mg/L		09/27/22 08:37	09/27/22 17:35	1
Chromium	<0.0050		0.0050		mg/L		09/27/22 08:37	09/27/22 17:35	1
Cobalt	<0.0010		0.0010		mg/L		09/27/22 08:37	09/27/22 17:35	1
Lead	<0.00050		0.00050		mg/L		09/27/22 08:37	09/27/22 17:35	1
Lithium	0.029		0.010		mg/L		09/27/22 08:37	09/27/22 17:35	1
Molybdenum	0.011		0.0050		mg/L		09/27/22 08:37	09/27/22 17:35	1
Selenium	<0.0025		0.0025		mg/L		09/27/22 08:37	09/27/22 17:35	1
Thallium	<0.0020		0.0020		mg/L		09/27/22 08:37	09/27/22 17:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/22 15:20	09/28/22 07:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	830		10		mg/L			09/30/22 14:08	1
Chloride (SM 4500 Cl- E)	150		20		mg/L			09/27/22 12:10	10
Fluoride (SM 4500 F C)	0.35		0.10		mg/L			10/01/22 11:18	1
Sulfate (SM 4500 SO4 E)	180		50		mg/L			09/27/22 14:14	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	64.34				ft			09/26/22 10:31	1
Depth to Water (ft from MP)	67.31				ft			09/26/22 10:31	1
Elevation of well (ft from MP)	603.80				ft			09/26/22 10:31	1
Field pH	7.14				SU			09/26/22 10:31	1
Field Temperature	57.2				Degrees F			09/26/22 10:31	1
Ground Water Elevation	536.49				ft			09/26/22 10:31	1
Specific Conductance	1039				umhos/cm			09/26/22 10:31	1
Well bottom elevation	471.05				ft			09/26/22 10:31	1
Field Turbidity	0.29				NTU			09/26/22 10:31	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: G44S

Lab Sample ID: 500-222492-7

Date Collected: 09/26/22 12:18

Matrix: Water

Date Received: 09/26/22 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/27/22 08:37	09/27/22 17:38	1
Arsenic	<0.0010		0.0010		mg/L		09/27/22 08:37	09/27/22 17:38	1
Barium	0.065		0.0025		mg/L		09/27/22 08:37	09/27/22 17:38	1
Beryllium	<0.0010	^1+ ^+	0.0010		mg/L		09/27/22 08:37	09/27/22 17:38	1
Boron	1.8		0.25		mg/L		09/27/22 08:37	09/28/22 12:39	5
Cadmium	<0.00050		0.00050		mg/L		09/27/22 08:37	09/27/22 17:38	1
Calcium	130		0.20		mg/L		09/27/22 08:37	09/27/22 17:38	1
Chromium	<0.0050		0.0050		mg/L		09/27/22 08:37	09/27/22 17:38	1
Cobalt	<0.0010		0.0010		mg/L		09/27/22 08:37	09/27/22 17:38	1
Lead	<0.00050		0.00050		mg/L		09/27/22 08:37	09/27/22 17:38	1
Lithium	0.027		0.010		mg/L		09/27/22 08:37	09/27/22 17:38	1
Molybdenum	0.24		0.0050		mg/L		09/27/22 08:37	09/27/22 17:38	1
Selenium	<0.0025		0.0025		mg/L		09/27/22 08:37	09/27/22 17:38	1
Thallium	<0.0020		0.0020		mg/L		09/27/22 08:37	09/27/22 17:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/22 15:20	09/28/22 07:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	810		10		mg/L			09/30/22 14:08	1
Chloride (SM 4500 Cl- E)	69		20		mg/L			09/27/22 12:11	10
Fluoride (SM 4500 F C)	0.21		0.10		mg/L			10/01/22 11:21	1
Sulfate (SM 4500 SO4 E)	180		50		mg/L			09/27/22 14:15	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	78.06				ft			09/26/22 12:18	1
Depth to Water (ft from MP)	80.24				ft			09/26/22 12:18	1
Elevation of well (ft from MP)	586.68				ft			09/26/22 12:18	1
Field pH	7.01				SU			09/26/22 12:18	1
Field Temperature	57.4				Degrees F			09/26/22 12:18	1
Ground Water Elevation	506.44				ft			09/26/22 12:18	1
Specific Conductance	1094				umhos/cm			09/26/22 12:18	1
Well bottom elevation	455.11				ft			09/26/22 12:18	1
Field Turbidity	0.86				NTU			09/26/22 12:18	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: R32S

Lab Sample ID: 500-222492-8

Date Collected: 09/26/22 13:21

Matrix: Water

Date Received: 09/26/22 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/27/22 08:37	09/27/22 17:42	1
Arsenic	0.0032		0.0010		mg/L		09/27/22 08:37	09/27/22 17:42	1
Barium	0.034		0.0025		mg/L		09/27/22 08:37	09/27/22 17:42	1
Beryllium	<0.0010	^1+ ^+	0.0010		mg/L		09/27/22 08:37	09/27/22 17:42	1
Boron	5.1		1.0		mg/L		09/27/22 08:37	09/28/22 12:42	20
Cadmium	<0.00050		0.00050		mg/L		09/27/22 08:37	09/27/22 17:42	1
Calcium	130		0.20		mg/L		09/27/22 08:37	09/27/22 17:42	1
Chromium	<0.0050		0.0050		mg/L		09/27/22 08:37	09/27/22 17:42	1
Cobalt	<0.0010		0.0010		mg/L		09/27/22 08:37	09/27/22 17:42	1
Lead	<0.00050		0.00050		mg/L		09/27/22 08:37	09/27/22 17:42	1
Lithium	0.12		0.010		mg/L		09/27/22 08:37	09/27/22 17:42	1
Molybdenum	0.69		0.0050		mg/L		09/27/22 08:37	09/27/22 17:42	1
Selenium	<0.0025		0.0025		mg/L		09/27/22 08:37	09/27/22 17:42	1
Thallium	<0.0020		0.0020		mg/L		09/27/22 08:37	09/27/22 17:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/22 15:20	09/28/22 08:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	870		10		mg/L			09/30/22 14:08	1
Chloride (SM 4500 Cl- E)	57		10		mg/L			09/27/22 12:11	5
Fluoride (SM 4500 F C)	0.30		0.10		mg/L			10/01/22 11:24	1
Sulfate (SM 4500 SO4 E)	450		100		mg/L			09/27/22 14:15	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	18.14				ft			09/26/22 13:21	1
Depth to Water (ft from MP)	20.17				ft			09/26/22 13:21	1
Elevation of well (ft from MP)	536.97				ft			09/26/22 13:21	1
Field pH	7.23				SU			09/26/22 13:21	1
Field Temperature	53.6				Degrees F			09/26/22 13:21	1
Ground Water Elevation	516.80				ft			09/26/22 13:21	1
Specific Conductance	1022				umhos/cm			09/26/22 13:21	1
Well bottom elevation	457.84				ft			09/26/22 13:21	1
Field Turbidity	0.66				NTU			09/26/22 13:21	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: T09S

Lab Sample ID: 500-222492-9

Date Collected: 09/27/22 09:08

Matrix: Water

Date Received: 09/27/22 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/28/22 08:14	09/28/22 16:23	1
Arsenic	0.0029		0.0010		mg/L		09/28/22 08:14	09/28/22 16:23	1
Barium	0.062		0.0025		mg/L		09/28/22 08:14	09/28/22 16:23	1
Beryllium	<0.0010	^1+	0.0010		mg/L		09/28/22 08:14	09/28/22 16:23	1
Boron	7.6		1.0		mg/L		09/28/22 08:14	09/29/22 12:57	20
Cadmium	<0.00050		0.00050		mg/L		09/28/22 08:14	09/28/22 16:23	1
Calcium	130		0.20		mg/L		09/28/22 08:14	09/28/22 16:23	1
Chromium	<0.0050		0.0050		mg/L		09/28/22 08:14	09/28/22 16:23	1
Cobalt	0.0012		0.0010		mg/L		09/28/22 08:14	09/28/22 16:23	1
Lead	0.00070		0.00050		mg/L		09/28/22 08:14	09/28/22 16:23	1
Lithium	0.096		0.010		mg/L		09/28/22 08:14	09/28/22 16:23	1
Molybdenum	1.3		0.0050		mg/L		09/28/22 08:14	09/28/22 16:23	1
Selenium	<0.0025		0.0025		mg/L		09/28/22 08:14	09/28/22 16:23	1
Thallium	<0.0020		0.0020		mg/L		09/28/22 08:14	09/28/22 16:23	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/28/22 15:10	09/29/22 09:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	990		10		mg/L			09/30/22 15:17	1
Chloride (SM 4500 Cl- E)	61		10		mg/L			09/30/22 09:59	5
Fluoride (SM 4500 F C)	0.33		0.10		mg/L			10/01/22 11:34	1
Sulfate (SM 4500 SO4 E)	530		100		mg/L			09/30/22 12:27	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	96.91				ft			09/27/22 09:08	1
Depth to Water (ft from MP)	99.31				ft			09/27/22 09:08	1
Elevation of well (ft from MP)	603.48				ft			09/27/22 09:08	1
Field pH	7.32				SU			09/27/22 09:08	1
Field Temperature	51.1				Degrees F			09/27/22 09:08	1
Ground Water Elevation	504.17				ft			09/27/22 09:08	1
Specific Conductance	1299				umhos/cm			09/27/22 09:08	1
Well bottom elevation	444.80				ft			09/27/22 09:08	1
Field Turbidity	3.23				NTU			09/27/22 09:08	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: T06S

Lab Sample ID: 500-222492-10

Date Collected: 09/27/22 10:30

Matrix: Water

Date Received: 09/27/22 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/28/22 08:14	09/28/22 16:26	1
Arsenic	<0.0010		0.0010		mg/L		09/28/22 08:14	09/28/22 16:26	1
Barium	0.033		0.0025		mg/L		09/28/22 08:14	09/28/22 16:26	1
Beryllium	<0.0010	^1+	0.0010		mg/L		09/28/22 08:14	09/28/22 16:26	1
Boron	0.85		0.050		mg/L		09/28/22 08:14	09/29/22 13:01	1
Cadmium	<0.00050		0.00050		mg/L		09/28/22 08:14	09/28/22 16:26	1
Calcium	86		0.20		mg/L		09/28/22 08:14	09/28/22 16:26	1
Chromium	<0.0050		0.0050		mg/L		09/28/22 08:14	09/28/22 16:26	1
Cobalt	<0.0010		0.0010		mg/L		09/28/22 08:14	09/28/22 16:26	1
Lead	<0.00050		0.00050		mg/L		09/28/22 08:14	09/28/22 16:26	1
Lithium	0.024		0.010		mg/L		09/28/22 08:14	09/28/22 16:26	1
Molybdenum	0.016		0.0050		mg/L		09/28/22 08:14	09/28/22 16:26	1
Selenium	<0.0025		0.0025		mg/L		09/28/22 08:14	09/28/22 16:26	1
Thallium	<0.0020		0.0020		mg/L		09/28/22 08:14	09/28/22 16:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/28/22 15:10	09/29/22 09:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	460		10		mg/L			09/30/22 15:20	1
Chloride (SM 4500 Cl- E)	15		2.0		mg/L			09/30/22 09:41	1
Fluoride (SM 4500 F C)	0.42		0.10		mg/L			10/01/22 11:37	1
Sulfate (SM 4500 SO4 E)	93		50		mg/L			09/30/22 12:28	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	112.46				ft			09/27/22 10:30	1
Depth to Water (ft from MP)	114.76				ft			09/27/22 10:30	1
Elevation of well (ft from MP)	621.05				ft			09/27/22 10:30	1
Field pH	7.24				SU			09/27/22 10:30	1
Field Temperature	55.8				Degrees F			09/27/22 10:30	1
Ground Water Elevation	506.29				ft			09/27/22 10:30	1
Specific Conductance	760				umhos/cm			09/27/22 10:30	1
Well bottom elevation	447.94				ft			09/27/22 10:30	1
Field Turbidity	0.58				NTU			09/27/22 10:30	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: T05S

Lab Sample ID: 500-222492-11

Date Collected: 09/27/22 11:46

Matrix: Water

Date Received: 09/27/22 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0044		0.0030		mg/L		09/28/22 08:14	09/28/22 16:30	1
Arsenic	0.12		0.0010		mg/L		09/28/22 08:14	09/28/22 16:30	1
Barium	0.0096		0.0025		mg/L		09/28/22 08:14	09/28/22 16:30	1
Beryllium	<0.0010	^1+	0.0010		mg/L		09/28/22 08:14	09/28/22 16:30	1
Boron	12		1.0		mg/L		09/28/22 08:14	09/29/22 13:04	20
Cadmium	<0.00050		0.00050		mg/L		09/28/22 08:14	09/28/22 16:30	1
Calcium	5.9		0.20		mg/L		09/28/22 08:14	09/28/22 16:30	1
Chromium	<0.0050		0.0050		mg/L		09/28/22 08:14	09/28/22 16:30	1
Cobalt	<0.0010		0.0010		mg/L		09/28/22 08:14	09/28/22 16:30	1
Lead	<0.00050		0.00050		mg/L		09/28/22 08:14	09/28/22 16:30	1
Lithium	0.019		0.010		mg/L		09/28/22 08:14	09/28/22 16:30	1
Molybdenum	0.91		0.0050		mg/L		09/28/22 08:14	09/28/22 16:30	1
Selenium	0.0070		0.0025		mg/L		09/28/22 08:14	09/28/22 16:30	1
Thallium	<0.0020		0.0020		mg/L		09/28/22 08:14	09/28/22 16:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/28/22 15:10	09/29/22 09:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1500		10		mg/L			09/30/22 15:22	1
Chloride (SM 4500 Cl- E)	130		20		mg/L			09/30/22 09:59	10
Fluoride (SM 4500 F C)	1.7		0.10		mg/L			10/01/22 11:40	1
Sulfate (SM 4500 SO4 E)	630		100		mg/L			09/30/22 12:41	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	124.13				ft			09/27/22 11:46	1
Depth to Water (ft from MP)	126.53				ft			09/27/22 11:46	1
Elevation of well (ft from MP)	623.50				ft			09/27/22 11:46	1
Field pH	9.25				SU			09/27/22 11:46	1
Field Temperature	62.6				Degrees F			09/27/22 11:46	1
Ground Water Elevation	496.97				ft			09/27/22 11:46	1
Specific Conductance	2110				umhos/cm			09/27/22 11:46	1
Well bottom elevation	448.35				ft			09/27/22 11:46	1
Field Turbidity	0.68				NTU			09/27/22 11:46	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: G31S

Lab Sample ID: 500-222492-12

Date Collected: 09/27/22 13:31

Matrix: Water

Date Received: 09/27/22 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/28/22 08:14	09/28/22 16:33	1
Arsenic	0.0040		0.0010		mg/L		09/28/22 08:14	09/28/22 16:33	1
Barium	0.050		0.0025		mg/L		09/28/22 08:14	09/28/22 16:33	1
Beryllium	<0.0010	^1+	0.0010		mg/L		09/28/22 08:14	09/28/22 16:33	1
Boron	4.5		0.50		mg/L		09/28/22 08:14	09/29/22 13:08	10
Cadmium	<0.00050		0.00050		mg/L		09/28/22 08:14	09/28/22 16:33	1
Calcium	160		0.20		mg/L		09/28/22 08:14	09/28/22 16:33	1
Chromium	<0.0050		0.0050		mg/L		09/28/22 08:14	09/28/22 16:33	1
Cobalt	<0.0010		0.0010		mg/L		09/28/22 08:14	09/28/22 16:33	1
Lead	<0.00050		0.00050		mg/L		09/28/22 08:14	09/28/22 16:33	1
Lithium	0.094		0.010		mg/L		09/28/22 08:14	09/28/22 16:33	1
Molybdenum	0.80		0.0050		mg/L		09/28/22 08:14	09/28/22 16:33	1
Selenium	<0.0025		0.0025		mg/L		09/28/22 08:14	09/28/22 16:33	1
Thallium	<0.0020		0.0020		mg/L		09/28/22 08:14	09/28/22 16:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/28/22 15:10	09/29/22 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			09/30/22 15:25	1
Chloride (SM 4500 Cl- E)	160		20		mg/L			09/30/22 09:59	10
Fluoride (SM 4500 F C)	0.24		0.10		mg/L			10/01/22 11:43	1
Sulfate (SM 4500 SO4 E)	480		100		mg/L			09/30/22 12:28	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	24.17				ft			09/27/22 13:31	1
Depth to Water (ft from MP)	26.75				ft			09/27/22 13:31	1
Elevation of well (ft from MP)	535.73				ft			09/27/22 13:31	1
Field pH	7.60				SU			09/27/22 13:31	1
Field Temperature	58.8				Degrees F			09/27/22 13:31	1
Ground Water Elevation	508.98				ft			09/27/22 13:31	1
Specific Conductance	1600				umhos/cm			09/27/22 13:31	1
Well bottom elevation	453.36				ft			09/27/22 13:31	1
Field Turbidity	0.69				NTU			09/27/22 13:31	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: T01S

Lab Sample ID: 500-222492-13

Date Collected: 09/28/22 09:32

Matrix: GW

Date Received: 09/28/22 15:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/29/22 09:11	09/30/22 19:40	1
Arsenic	0.0082		0.0010		mg/L		09/29/22 09:11	09/30/22 19:40	1
Barium	0.045		0.0025		mg/L		09/29/22 09:11	09/30/22 19:40	1
Beryllium	<0.0010	^1+	0.0010		mg/L		09/29/22 09:11	09/30/22 19:40	1
Boron	4.2		0.50		mg/L		09/29/22 09:11	10/04/22 15:30	10
Cadmium	<0.00050		0.00050		mg/L		09/29/22 09:11	09/30/22 19:40	1
Calcium	51		0.20		mg/L		09/29/22 09:11	09/30/22 19:40	1
Chromium	<0.0050		0.0050		mg/L		09/29/22 09:11	09/30/22 19:40	1
Cobalt	0.0013		0.0010		mg/L		09/29/22 09:11	09/30/22 19:40	1
Lead	0.00052		0.00050		mg/L		09/29/22 09:11	09/30/22 19:40	1
Lithium	0.012		0.010		mg/L		09/29/22 09:11	09/30/22 19:40	1
Molybdenum	0.34		0.0050		mg/L		09/29/22 09:11	09/30/22 19:40	1
Selenium	<0.0025		0.0025		mg/L		09/29/22 09:11	09/30/22 19:40	1
Thallium	<0.0020		0.0020		mg/L		09/29/22 09:11	09/30/22 19:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/29/22 15:40	09/30/22 07:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	900		10		mg/L			10/04/22 15:30	1
Chloride (SM 4500 Cl- E)	100		20		mg/L			09/30/22 10:00	10
Fluoride (SM 4500 F C)	1.1		0.10		mg/L			10/01/22 11:45	1
Sulfate (SM 4500 SO4 E)	410		50		mg/L			09/30/22 12:28	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	123.48				ft			09/28/22 09:32	1
Depth to Water (ft from MP)	125.96				ft			09/28/22 09:32	1
Elevation of well (ft from MP)	621.84				ft			09/28/22 09:32	1
Field pH	7.71				SU			09/28/22 09:32	1
Field Temperature	51.8				Degrees F			09/28/22 09:32	1
Ground Water Elevation	495.88				ft			09/28/22 09:32	1
Specific Conductance	1371				umhos/cm			09/28/22 09:32	1
Well bottom elevation	451.46				ft			09/28/22 09:32	1
Field Turbidity	28.40				NTU			09/28/22 09:32	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: G30S

Lab Sample ID: 500-222492-14

Date Collected: 09/28/22 12:03

Matrix: GW

Date Received: 09/28/22 15:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/29/22 09:11	09/30/22 19:43	1
Arsenic	0.0023		0.0010		mg/L		09/29/22 09:11	09/30/22 19:43	1
Barium	0.044		0.0025		mg/L		09/29/22 09:11	09/30/22 19:43	1
Beryllium	<0.0010	^1+	0.0010		mg/L		09/29/22 09:11	09/30/22 19:43	1
Boron	4.9		0.50		mg/L		09/29/22 09:11	10/04/22 15:33	10
Cadmium	<0.00050		0.00050		mg/L		09/29/22 09:11	09/30/22 19:43	1
Calcium	60		0.20		mg/L		09/29/22 09:11	09/30/22 19:43	1
Chromium	<0.0050		0.0050		mg/L		09/29/22 09:11	09/30/22 19:43	1
Cobalt	<0.0010		0.0010		mg/L		09/29/22 09:11	09/30/22 19:43	1
Lead	<0.00050		0.00050		mg/L		09/29/22 09:11	09/30/22 19:43	1
Lithium	0.021		0.010		mg/L		09/29/22 09:11	09/30/22 19:43	1
Molybdenum	0.014		0.0050		mg/L		09/29/22 09:11	09/30/22 19:43	1
Selenium	<0.0025		0.0025		mg/L		09/29/22 09:11	09/30/22 19:43	1
Thallium	<0.0020		0.0020		mg/L		09/29/22 09:11	09/30/22 19:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/29/22 15:40	09/30/22 07:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			10/04/22 15:31	1
Chloride (SM 4500 Cl- E)	200		20		mg/L			09/30/22 10:00	10
Fluoride (SM 4500 F C)	0.98		0.10		mg/L			10/01/22 11:48	1
Sulfate (SM 4500 SO4 E)	470		100		mg/L			09/30/22 12:29	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	0.28				ft			09/28/22 12:03	1
Depth to Water (ft from MP)	2.59				ft			09/28/22 12:03	1
Elevation of well (ft from MP)	524.86				ft			09/28/22 12:03	1
Field pH	7.72				SU			09/28/22 12:03	1
Field Temperature	55.2				Degrees F			09/28/22 12:03	1
Ground Water Elevation	522.27				ft			09/28/22 12:03	1
Specific Conductance	1800				umhos/cm			09/28/22 12:03	1
Well bottom elevation	462.58				ft			09/28/22 12:03	1
Field Turbidity	0.61				NTU			09/28/22 12:03	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: G33S

Lab Sample ID: 500-222492-15

Date Collected: 09/28/22 14:03

Matrix: Water

Date Received: 09/28/22 15:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/29/22 09:11	09/30/22 19:47	1
Arsenic	0.0022		0.0010		mg/L		09/29/22 09:11	09/30/22 19:47	1
Barium	0.086		0.0025		mg/L		09/29/22 09:11	09/30/22 19:47	1
Beryllium	<0.0010	^1+	0.0010		mg/L		09/29/22 09:11	09/30/22 19:47	1
Boron	0.91		0.25		mg/L		09/29/22 09:11	10/04/22 15:37	5
Cadmium	<0.00050		0.00050		mg/L		09/29/22 09:11	09/30/22 19:47	1
Calcium	61		0.20		mg/L		09/29/22 09:11	09/30/22 19:47	1
Chromium	<0.0050		0.0050		mg/L		09/29/22 09:11	09/30/22 19:47	1
Cobalt	<0.0010		0.0010		mg/L		09/29/22 09:11	09/30/22 19:47	1
Lead	0.0024		0.00050		mg/L		09/29/22 09:11	09/30/22 19:47	1
Lithium	0.034		0.010		mg/L		09/29/22 09:11	09/30/22 19:47	1
Molybdenum	<0.0050		0.0050		mg/L		09/29/22 09:11	09/30/22 19:47	1
Selenium	<0.0025		0.0025		mg/L		09/29/22 09:11	09/30/22 19:47	1
Thallium	<0.0020		0.0020		mg/L		09/29/22 09:11	09/30/22 19:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/29/22 15:40	09/30/22 07:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	360		10		mg/L			10/04/22 15:32	1
Chloride (SM 4500 Cl- E)	12		2.0		mg/L			09/30/22 09:43	1
Fluoride (SM 4500 F C)	0.52		0.10		mg/L			10/01/22 11:51	1
Sulfate (SM 4500 SO4 E)	63		25		mg/L			09/30/22 12:30	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	31.78				ft			09/28/22 14:03	1
Depth to Water (ft from MP)	33.51				ft			09/28/22 14:03	1
Elevation of well (ft from MP)	535.67				ft			09/28/22 14:03	1
Field pH	7.32				SU			09/28/22 14:03	1
Field Temperature	61.9				Degrees F			09/28/22 14:03	1
Ground Water Elevation	502.16				ft			09/28/22 14:03	1
Specific Conductance	697				umhos/cm			09/28/22 14:03	1
Well bottom elevation	452.72				ft			09/28/22 14:03	1
Field Turbidity	15.10				NTU			09/28/22 14:03	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: T02S

Lab Sample ID: 500-222492-16

Date Collected: 09/29/22 09:29

Matrix: Water

Date Received: 09/29/22 14:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/30/22 08:57	09/30/22 18:31	1
Arsenic	0.0084		0.0010		mg/L		09/30/22 08:57	09/30/22 18:31	1
Barium	0.088		0.0025		mg/L		09/30/22 08:57	09/30/22 18:31	1
Beryllium	<0.0010	^1+	0.0010		mg/L		09/30/22 08:57	09/30/22 18:31	1
Boron	4.1		0.50		mg/L		09/30/22 08:57	10/04/22 14:35	10
Cadmium	<0.00050		0.00050		mg/L		09/30/22 08:57	09/30/22 18:31	1
Calcium	71		0.20		mg/L		09/30/22 08:57	09/30/22 18:31	1
Chromium	<0.0050		0.0050		mg/L		09/30/22 08:57	09/30/22 18:31	1
Cobalt	0.0036		0.0010		mg/L		09/30/22 08:57	09/30/22 18:31	1
Lead	0.0021		0.00050		mg/L		09/30/22 08:57	09/30/22 18:31	1
Lithium	0.033		0.010		mg/L		09/30/22 08:57	09/30/22 18:31	1
Molybdenum	0.40		0.0050		mg/L		09/30/22 08:57	09/30/22 18:31	1
Selenium	<0.0025		0.0025		mg/L		09/30/22 08:57	09/30/22 18:31	1
Thallium	<0.0020		0.0020		mg/L		09/30/22 08:57	09/30/22 18:31	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/30/22 16:30	10/03/22 07:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	810		10		mg/L			10/06/22 13:07	1
Chloride (SM 4500 Cl- E)	110		20		mg/L			09/30/22 10:00	10
Fluoride (SM 4500 F C)	0.36		0.10		mg/L			10/01/22 11:53	1
Sulfate (SM 4500 SO4 E)	320		100		mg/L			09/30/22 12:30	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	134.37				ft			09/29/22 09:29	1
Depth to Water (ft from MP)	136.70				ft			09/29/22 09:29	1
Elevation of well (ft from MP)	626.12				ft			09/29/22 09:29	1
Field pH	7.26				SU			09/29/22 09:29	1
Field Temperature	55.2				Degrees F			09/29/22 09:29	1
Ground Water Elevation	489.42				ft			09/29/22 09:29	1
Specific Conductance	1184				umhos/cm			09/29/22 09:29	1
Well bottom elevation	453.40				ft			09/29/22 09:29	1
Field Turbidity	29.90				NTU			09/29/22 09:29	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: T08S

Lab Sample ID: 500-222492-17

Date Collected: 09/29/22 11:31

Matrix: Water

Date Received: 09/29/22 14:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/30/22 08:57	09/30/22 18:35	1
Arsenic	0.025		0.0010		mg/L		09/30/22 08:57	09/30/22 18:35	1
Barium	0.027		0.0025		mg/L		09/30/22 08:57	09/30/22 18:35	1
Beryllium	<0.0010	^1+	0.0010		mg/L		09/30/22 08:57	09/30/22 18:35	1
Boron	8.4		1.0		mg/L		09/30/22 08:57	10/04/22 14:39	20
Cadmium	<0.00050		0.00050		mg/L		09/30/22 08:57	09/30/22 18:35	1
Calcium	20		0.20		mg/L		09/30/22 08:57	09/30/22 18:35	1
Chromium	<0.0050		0.0050		mg/L		09/30/22 08:57	09/30/22 18:35	1
Cobalt	<0.0010		0.0010		mg/L		09/30/22 08:57	09/30/22 18:35	1
Lead	<0.00050		0.00050		mg/L		09/30/22 08:57	09/30/22 18:35	1
Lithium	0.037		0.010		mg/L		09/30/22 08:57	09/30/22 18:35	1
Molybdenum	0.81		0.0050		mg/L		09/30/22 08:57	09/30/22 18:35	1
Selenium	<0.0025		0.0025		mg/L		09/30/22 08:57	09/30/22 18:35	1
Thallium	<0.0020		0.0020		mg/L		09/30/22 08:57	09/30/22 18:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/30/22 16:30	10/03/22 07:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	990		10		mg/L			10/06/22 13:08	1
Chloride (SM 4500 Cl- E)	96		20		mg/L			09/30/22 10:00	10
Fluoride (SM 4500 F C)	0.70		0.10		mg/L			10/01/22 11:55	1
Sulfate (SM 4500 SO4 E)	490		100		mg/L			09/30/22 12:31	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	128.36				ft			09/29/22 11:31	1
Depth to Water (ft from MP)	130.74				ft			09/29/22 11:31	1
Elevation of well (ft from MP)	627.55				ft			09/29/22 11:31	1
Field pH	9.17				SU			09/29/22 11:31	1
Field Temperature	68.4				Degrees F			09/29/22 11:31	1
Ground Water Elevation	496.81				ft			09/29/22 11:31	1
Specific Conductance	1324				umhos/cm			09/29/22 11:31	1
Well bottom elevation	447.38				ft			09/29/22 11:31	1
Field Turbidity	6.84				NTU			09/29/22 11:31	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: T03S

Lab Sample ID: 500-222492-18

Date Collected: 09/29/22 13:37

Matrix: Water

Date Received: 09/29/22 14:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/30/22 08:57	09/30/22 18:38	1
Arsenic	0.0014		0.0010		mg/L		09/30/22 08:57	09/30/22 18:38	1
Barium	0.084		0.0025		mg/L		09/30/22 08:57	09/30/22 18:38	1
Beryllium	<0.0010	^1+	0.0010		mg/L		09/30/22 08:57	09/30/22 18:38	1
Boron	2.2		0.25		mg/L		09/30/22 08:57	10/04/22 14:42	5
Cadmium	<0.00050		0.00050		mg/L		09/30/22 08:57	09/30/22 18:38	1
Calcium	110		0.20		mg/L		09/30/22 08:57	09/30/22 18:38	1
Chromium	<0.0050		0.0050		mg/L		09/30/22 08:57	09/30/22 18:38	1
Cobalt	<0.0010		0.0010		mg/L		09/30/22 08:57	09/30/22 18:38	1
Lead	<0.00050		0.00050		mg/L		09/30/22 08:57	09/30/22 18:38	1
Lithium	0.023		0.010		mg/L		09/30/22 08:57	09/30/22 18:38	1
Molybdenum	0.22		0.0050		mg/L		09/30/22 08:57	09/30/22 18:38	1
Selenium	<0.0025		0.0025		mg/L		09/30/22 08:57	09/30/22 18:38	1
Thallium	<0.0020		0.0020		mg/L		09/30/22 08:57	09/30/22 18:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/30/22 16:30	10/03/22 07:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	810		10		mg/L			10/06/22 13:09	1
Chloride (SM 4500 Cl- E)	110		20		mg/L			09/30/22 10:01	10
Fluoride (SM 4500 F C)	0.21		0.10		mg/L			10/01/22 11:58	1
Sulfate (SM 4500 SO4 E)	260		50		mg/L			09/30/22 12:31	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	137.54				ft			09/29/22 13:37	1
Depth to Water (ft from MP)	140.62				ft			09/29/22 13:37	1
Elevation of well (ft from MP)	629.85				ft			09/29/22 13:37	1
Field pH	7.00				SU			09/29/22 13:37	1
Field Temperature	53.8				Degrees F			09/29/22 13:37	1
Ground Water Elevation	489.23				ft			09/29/22 13:37	1
Specific Conductance	1180				umhos/cm			09/29/22 13:37	1
Well bottom elevation	456.70				ft			09/29/22 13:37	1
Field Turbidity	0.53				NTU			09/29/22 13:37	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: DUP

Lab Sample ID: 500-222492-19

Date Collected: 09/29/22 13:37

Matrix: Water

Date Received: 09/29/22 14:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/30/22 08:57	09/30/22 18:42	1
Arsenic	0.0016		0.0010		mg/L		09/30/22 08:57	09/30/22 18:42	1
Barium	0.081		0.0025		mg/L		09/30/22 08:57	09/30/22 18:42	1
Beryllium	<0.0010	^1+	0.0010		mg/L		09/30/22 08:57	09/30/22 18:42	1
Boron	2.4		0.25		mg/L		09/30/22 08:57	10/04/22 14:46	5
Cadmium	<0.00050		0.00050		mg/L		09/30/22 08:57	09/30/22 18:42	1
Calcium	110		0.20		mg/L		09/30/22 08:57	09/30/22 18:42	1
Chromium	<0.0050		0.0050		mg/L		09/30/22 08:57	09/30/22 18:42	1
Cobalt	<0.0010		0.0010		mg/L		09/30/22 08:57	09/30/22 18:42	1
Lead	<0.00050		0.00050		mg/L		09/30/22 08:57	09/30/22 18:42	1
Lithium	0.022		0.010		mg/L		09/30/22 08:57	09/30/22 18:42	1
Molybdenum	0.20		0.0050		mg/L		09/30/22 08:57	09/30/22 18:42	1
Selenium	<0.0025		0.0025		mg/L		09/30/22 08:57	09/30/22 18:42	1
Thallium	<0.0020		0.0020		mg/L		09/30/22 08:57	09/30/22 18:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/30/22 16:30	10/03/22 07:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	790		10		mg/L			10/06/22 13:10	1
Chloride (SM 4500 Cl- E)	100		20		mg/L			09/30/22 10:01	10
Fluoride (SM 4500 F C)	0.21		0.10		mg/L			10/01/22 12:07	1
Sulfate (SM 4500 SO4 E)	250		100		mg/L			09/30/22 12:31	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	137.54				ft			09/29/22 13:37	1
Depth to Water (ft from MP)	140.62				ft			09/29/22 13:37	1
Elevation of well (ft from MP)	629.85				ft			09/29/22 13:37	1
Field pH	7.00				SU			09/29/22 13:37	1
Field Temperature	53.8				Degrees F			09/29/22 13:37	1
Ground Water Elevation	489.23				ft			09/29/22 13:37	1
Specific Conductance	1180				umhos/cm			09/29/22 13:37	1
Well bottom elevation	456.70				ft			09/29/22 13:37	1
Field Turbidity	0.53				NTU			09/29/22 13:37	1

Definitions/Glossary

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Qualifiers

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.

Glossary

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

QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Metals

Prep Batch: 675848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-1	G20S	Total Recoverable	Water	3005A	
500-222492-2	R08S	Total Recoverable	Water	3005A	
MB 500-675848/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-675848/26-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 500-675848/27-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Prep Batch: 675960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-1	G20S	Total/NA	Water	7470A	
500-222492-2	R08S	Total/NA	Water	7470A	
MB 500-675960/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-675960/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 676124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-1	G20S	Total/NA	Water	7470A	675960
500-222492-2	R08S	Total/NA	Water	7470A	675960
MB 500-675960/12-A	Method Blank	Total/NA	Water	7470A	675960
LCS 500-675960/13-A	Lab Control Sample	Total/NA	Water	7470A	675960

Analysis Batch: 676368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-1	G20S	Total Recoverable	Water	6020A	675848
500-222492-1	G20S	Total Recoverable	Water	6020A	675848
500-222492-2	R08S	Total Recoverable	Water	6020A	675848
500-222492-2	R08S	Total Recoverable	Water	6020A	675848
MB 500-675848/1-A	Method Blank	Total Recoverable	Water	6020A	675848
LCS 500-675848/26-A	Lab Control Sample	Total Recoverable	Water	6020A	675848
LCSD 500-675848/27-A	Lab Control Sample Dup	Total Recoverable	Water	6020A	675848

Prep Batch: 676547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-3	G47S	Total Recoverable	Water	3005A	
500-222492-4	G48S	Total Recoverable	Water	3005A	
500-222492-5	G46S	Total Recoverable	Water	3005A	
500-222492-6	G45S	Total Recoverable	Water	3005A	
500-222492-7	G44S	Total Recoverable	Water	3005A	
500-222492-8	R32S	Total Recoverable	Water	3005A	
MB 500-676547/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-676547/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 676665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-3	G47S	Total/NA	Water	7470A	
500-222492-4	G48S	Total/NA	Water	7470A	
500-222492-5	G46S	Total/NA	Water	7470A	
500-222492-6	G45S	Total/NA	Water	7470A	
500-222492-7	G44S	Total/NA	Water	7470A	
500-222492-8	R32S	Total/NA	Water	7470A	
MB 500-676665/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-676665/13-A	Lab Control Sample	Total/NA	Water	7470A	

Eurofins Chicago

QC Association Summary

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Metals (Continued)

Prep Batch: 676665 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-7 MS	G44S	Total/NA	Water	7470A	
500-222492-7 MSD	G44S	Total/NA	Water	7470A	
500-222492-7 DU	G44S	Total/NA	Water	7470A	

Prep Batch: 676771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-9	T09S	Total Recoverable	Water	3005A	
500-222492-10	T06S	Total Recoverable	Water	3005A	
500-222492-11	T05S	Total Recoverable	Water	3005A	
500-222492-12	G31S	Total Recoverable	Water	3005A	
MB 500-676771/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-676771/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 676808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-3	G47S	Total Recoverable	Water	6020A	676547
500-222492-4	G48S	Total Recoverable	Water	6020A	676547
500-222492-5	G46S	Total Recoverable	Water	6020A	676547
500-222492-6	G45S	Total Recoverable	Water	6020A	676547
500-222492-7	G44S	Total Recoverable	Water	6020A	676547
500-222492-8	R32S	Total Recoverable	Water	6020A	676547
MB 500-676547/1-A	Method Blank	Total Recoverable	Water	6020A	676547
LCS 500-676547/2-A	Lab Control Sample	Total Recoverable	Water	6020A	676547

Analysis Batch: 676847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-3	G47S	Total/NA	Water	7470A	676665
500-222492-4	G48S	Total/NA	Water	7470A	676665
500-222492-5	G46S	Total/NA	Water	7470A	676665
500-222492-6	G45S	Total/NA	Water	7470A	676665
500-222492-7	G44S	Total/NA	Water	7470A	676665
500-222492-8	R32S	Total/NA	Water	7470A	676665
MB 500-676665/12-A	Method Blank	Total/NA	Water	7470A	676665
LCS 500-676665/13-A	Lab Control Sample	Total/NA	Water	7470A	676665
500-222492-7 MS	G44S	Total/NA	Water	7470A	676665
500-222492-7 MSD	G44S	Total/NA	Water	7470A	676665
500-222492-7 DU	G44S	Total/NA	Water	7470A	676665

Analysis Batch: 676878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-3	G47S	Total Recoverable	Water	6020A	676547
500-222492-4	G48S	Total Recoverable	Water	6020A	676547
500-222492-5	G46S	Total Recoverable	Water	6020A	676547
500-222492-6	G45S	Total Recoverable	Water	6020A	676547
500-222492-7	G44S	Total Recoverable	Water	6020A	676547
500-222492-8	R32S	Total Recoverable	Water	6020A	676547
MB 500-676547/1-A	Method Blank	Total Recoverable	Water	6020A	676547
LCS 500-676547/2-A	Lab Control Sample	Total Recoverable	Water	6020A	676547

QC Association Summary

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Metals

Prep Batch: 676906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-9	T09S	Total/NA	Water	7470A	
500-222492-10	T06S	Total/NA	Water	7470A	
500-222492-11	T05S	Total/NA	Water	7470A	
500-222492-12	G31S	Total/NA	Water	7470A	
MB 500-676906/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-676906/13-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 677021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-13	T01S	Total Recoverable	GW	3005A	
500-222492-14	G30S	Total Recoverable	GW	3005A	
500-222492-15	G33S	Total Recoverable	Water	3005A	
MB 500-677021/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-677021/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 677063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-9	T09S	Total Recoverable	Water	6020A	676771
500-222492-10	T06S	Total Recoverable	Water	6020A	676771
500-222492-11	T05S	Total Recoverable	Water	6020A	676771
500-222492-12	G31S	Total Recoverable	Water	6020A	676771
MB 500-676771/1-A	Method Blank	Total Recoverable	Water	6020A	676771
LCS 500-676771/2-A	Lab Control Sample	Total Recoverable	Water	6020A	676771

Analysis Batch: 677085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-9	T09S	Total/NA	Water	7470A	676906
500-222492-10	T06S	Total/NA	Water	7470A	676906
500-222492-11	T05S	Total/NA	Water	7470A	676906
500-222492-12	G31S	Total/NA	Water	7470A	676906
MB 500-676906/12-A	Method Blank	Total/NA	Water	7470A	676906
LCS 500-676906/13-A	Lab Control Sample	Total/NA	Water	7470A	676906

Prep Batch: 677139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-13	T01S	Total/NA	GW	7470A	
500-222492-14	G30S	Total/NA	GW	7470A	
500-222492-15	G33S	Total/NA	Water	7470A	
MB 500-677139/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-677139/13-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 677238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-16	T02S	Total Recoverable	Water	3005A	
500-222492-17	T08S	Total Recoverable	Water	3005A	
500-222492-18	T03S	Total Recoverable	Water	3005A	
500-222492-19	DUP	Total Recoverable	Water	3005A	
MB 500-677238/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-677238/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

QC Association Summary

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Metals

Analysis Batch: 677288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-9	T09S	Total Recoverable	Water	6020A	676771
500-222492-10	T06S	Total Recoverable	Water	6020A	676771
500-222492-11	T05S	Total Recoverable	Water	6020A	676771
500-222492-12	G31S	Total Recoverable	Water	6020A	676771
MB 500-676771/1-A	Method Blank	Total Recoverable	Water	6020A	676771
LCS 500-676771/2-A	Lab Control Sample	Total Recoverable	Water	6020A	676771

Analysis Batch: 677309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-13	T01S	Total/NA	GW	7470A	677139
500-222492-14	G30S	Total/NA	GW	7470A	677139
500-222492-15	G33S	Total/NA	Water	7470A	677139
MB 500-677139/12-A	Method Blank	Total/NA	Water	7470A	677139
LCS 500-677139/13-A	Lab Control Sample	Total/NA	Water	7470A	677139

Prep Batch: 677362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-16	T02S	Total/NA	Water	7470A	
500-222492-17	T08S	Total/NA	Water	7470A	
500-222492-18	T03S	Total/NA	Water	7470A	
500-222492-19	DUP	Total/NA	Water	7470A	
MB 500-677362/13-A	Method Blank	Total/NA	Water	7470A	
LCS 500-677362/12-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 677574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-13	T01S	Total Recoverable	GW	6020A	677021
500-222492-14	G30S	Total Recoverable	GW	6020A	677021
500-222492-15	G33S	Total Recoverable	Water	6020A	677021
500-222492-16	T02S	Total Recoverable	Water	6020A	677238
500-222492-17	T08S	Total Recoverable	Water	6020A	677238
500-222492-18	T03S	Total Recoverable	Water	6020A	677238
500-222492-19	DUP	Total Recoverable	Water	6020A	677238
MB 500-677021/1-A	Method Blank	Total Recoverable	Water	6020A	677021
MB 500-677238/1-A	Method Blank	Total Recoverable	Water	6020A	677238
LCS 500-677021/2-A	Lab Control Sample	Total Recoverable	Water	6020A	677021
LCS 500-677238/2-A	Lab Control Sample	Total Recoverable	Water	6020A	677238

Analysis Batch: 677590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-16	T02S	Total/NA	Water	7470A	677362
500-222492-17	T08S	Total/NA	Water	7470A	677362
500-222492-18	T03S	Total/NA	Water	7470A	677362
500-222492-19	DUP	Total/NA	Water	7470A	677362
MB 500-677362/13-A	Method Blank	Total/NA	Water	7470A	677362
LCS 500-677362/12-A	Lab Control Sample	Total/NA	Water	7470A	677362

Analysis Batch: 677861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-16	T02S	Total Recoverable	Water	6020A	677238
500-222492-17	T08S	Total Recoverable	Water	6020A	677238

Eurofins Chicago

QC Association Summary

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Metals (Continued)

Analysis Batch: 677861 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-18	T03S	Total Recoverable	Water	6020A	677238
500-222492-19	DUP	Total Recoverable	Water	6020A	677238
MB 500-677238/1-A	Method Blank	Total Recoverable	Water	6020A	677238
LCS 500-677238/2-A	Lab Control Sample	Total Recoverable	Water	6020A	677238

Analysis Batch: 678011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-13	T01S	Total Recoverable	GW	6020A	677021
500-222492-14	G30S	Total Recoverable	GW	6020A	677021
500-222492-15	G33S	Total Recoverable	Water	6020A	677021
MB 500-677021/1-A	Method Blank	Total Recoverable	Water	6020A	677021
LCS 500-677021/2-A	Lab Control Sample	Total Recoverable	Water	6020A	677021

General Chemistry

Analysis Batch: 675941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-1	G20S	Total/NA	Water	SM 4500 CI- E	
500-222492-2	R08S	Total/NA	Water	SM 4500 CI- E	
MB 500-675941/16	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-675941/17	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
500-222492-1 MS	G20S	Total/NA	Water	SM 4500 CI- E	
500-222492-1 MSD	G20S	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 675998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-1	G20S	Total/NA	Water	SM 4500 F C	
500-222492-2	R08S	Total/NA	Water	SM 4500 F C	
MB 500-675998/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-675998/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-222492-2 MS	R08S	Total/NA	Water	SM 4500 F C	
500-222492-2 MSD	R08S	Total/NA	Water	SM 4500 F C	

Analysis Batch: 676200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-3	G47S	Total/NA	Water	SM 4500 CI- E	
500-222492-4	G48S	Total/NA	Water	SM 4500 CI- E	
MB 500-676200/16	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-676200/17	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
500-222492-3 MS	G47S	Total/NA	Water	SM 4500 CI- E	
500-222492-3 MSD	G47S	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 676402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-1	G20S	Total/NA	Water	SM 2540C	
500-222492-2	R08S	Total/NA	Water	SM 2540C	
MB 500-676402/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-676402/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-222492-2 DU	R08S	Total/NA	Water	SM 2540C	

QC Association Summary

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

General Chemistry

Analysis Batch: 676614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-5	G46S	Total/NA	Water	SM 4500 Cl- E	
500-222492-6	G45S	Total/NA	Water	SM 4500 Cl- E	
500-222492-7	G44S	Total/NA	Water	SM 4500 Cl- E	
500-222492-8	R32S	Total/NA	Water	SM 4500 Cl- E	
MB 500-676614/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-676614/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-222492-5 MS	G46S	Total/NA	Water	SM 4500 Cl- E	
500-222492-5 MSD	G46S	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 676645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-1	G20S	Total/NA	Water	SM 4500 SO4 E	
500-222492-2	R08S	Total/NA	Water	SM 4500 SO4 E	
500-222492-3	G47S	Total/NA	Water	SM 4500 SO4 E	
500-222492-4	G48S	Total/NA	Water	SM 4500 SO4 E	
500-222492-5	G46S	Total/NA	Water	SM 4500 SO4 E	
500-222492-6	G45S	Total/NA	Water	SM 4500 SO4 E	
500-222492-7	G44S	Total/NA	Water	SM 4500 SO4 E	
500-222492-8	R32S	Total/NA	Water	SM 4500 SO4 E	
MB 500-676645/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-676645/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-222492-1 MS	G20S	Total/NA	Water	SM 4500 SO4 E	
500-222492-1 MSD	G20S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 676925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-3	G47S	Total/NA	Water	SM 2540C	
500-222492-4	G48S	Total/NA	Water	SM 2540C	
MB 500-676925/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-676925/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-222492-3 MS	G47S	Total/NA	Water	SM 2540C	
500-222492-3 DU	G47S	Total/NA	Water	SM 2540C	

Analysis Batch: 677306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-9	T09S	Total/NA	Water	SM 4500 Cl- E	
500-222492-10	T06S	Total/NA	Water	SM 4500 Cl- E	
500-222492-11	T05S	Total/NA	Water	SM 4500 Cl- E	
500-222492-12	G31S	Total/NA	Water	SM 4500 Cl- E	
500-222492-13	T01S	Total/NA	GW	SM 4500 Cl- E	
500-222492-14	G30S	Total/NA	GW	SM 4500 Cl- E	
500-222492-15	G33S	Total/NA	Water	SM 4500 Cl- E	
500-222492-16	T02S	Total/NA	Water	SM 4500 Cl- E	
500-222492-17	T08S	Total/NA	Water	SM 4500 Cl- E	
500-222492-18	T03S	Total/NA	Water	SM 4500 Cl- E	
500-222492-19	DUP	Total/NA	Water	SM 4500 Cl- E	
MB 500-677306/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-677306/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-222492-10 MS	T06S	Total/NA	Water	SM 4500 Cl- E	
500-222492-10 MSD	T06S	Total/NA	Water	SM 4500 Cl- E	

QC Association Summary

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

General Chemistry

Analysis Batch: 677311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-9	T09S	Total/NA	Water	SM 4500 SO4 E	
500-222492-10	T06S	Total/NA	Water	SM 4500 SO4 E	
500-222492-11	T05S	Total/NA	Water	SM 4500 SO4 E	
500-222492-12	G31S	Total/NA	Water	SM 4500 SO4 E	
500-222492-13	T01S	Total/NA	GW	SM 4500 SO4 E	
500-222492-14	G30S	Total/NA	GW	SM 4500 SO4 E	
500-222492-15	G33S	Total/NA	Water	SM 4500 SO4 E	
500-222492-16	T02S	Total/NA	Water	SM 4500 SO4 E	
500-222492-17	T08S	Total/NA	Water	SM 4500 SO4 E	
500-222492-18	T03S	Total/NA	Water	SM 4500 SO4 E	
500-222492-19	DUP	Total/NA	Water	SM 4500 SO4 E	
MB 500-677311/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-677311/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-222492-11 MS	T05S	Total/NA	Water	SM 4500 SO4 E	
500-222492-11 MSD	T05S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 677333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-5	G46S	Total/NA	Water	SM 2540C	
500-222492-6	G45S	Total/NA	Water	SM 2540C	
500-222492-7	G44S	Total/NA	Water	SM 2540C	
500-222492-8	R32S	Total/NA	Water	SM 2540C	
MB 500-677333/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-677333/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-222492-7 MS	G44S	Total/NA	Water	SM 2540C	
500-222492-5 DU	G46S	Total/NA	Water	SM 2540C	
500-222492-6 DU	G45S	Total/NA	Water	SM 2540C	

Analysis Batch: 677338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-9	T09S	Total/NA	Water	SM 2540C	
500-222492-10	T06S	Total/NA	Water	SM 2540C	
500-222492-11	T05S	Total/NA	Water	SM 2540C	
500-222492-12	G31S	Total/NA	Water	SM 2540C	
MB 500-677338/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-677338/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-222492-11 MS	T05S	Total/NA	Water	SM 2540C	
500-222492-9 DU	T09S	Total/NA	Water	SM 2540C	
500-222492-10 DU	T06S	Total/NA	Water	SM 2540C	

Analysis Batch: 677387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-3	G47S	Total/NA	Water	SM 4500 F C	
500-222492-4	G48S	Total/NA	Water	SM 4500 F C	
500-222492-5	G46S	Total/NA	Water	SM 4500 F C	
500-222492-6	G45S	Total/NA	Water	SM 4500 F C	
500-222492-7	G44S	Total/NA	Water	SM 4500 F C	
500-222492-8	R32S	Total/NA	Water	SM 4500 F C	
500-222492-9	T09S	Total/NA	Water	SM 4500 F C	
500-222492-10	T06S	Total/NA	Water	SM 4500 F C	
500-222492-11	T05S	Total/NA	Water	SM 4500 F C	

Eurofins Chicago

QC Association Summary

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

General Chemistry (Continued)

Analysis Batch: 677387 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-12	G31S	Total/NA	Water	SM 4500 F C	
500-222492-13	T01S	Total/NA	GW	SM 4500 F C	
500-222492-14	G30S	Total/NA	GW	SM 4500 F C	
500-222492-15	G33S	Total/NA	Water	SM 4500 F C	
500-222492-16	T02S	Total/NA	Water	SM 4500 F C	
500-222492-17	T08S	Total/NA	Water	SM 4500 F C	
500-222492-18	T03S	Total/NA	Water	SM 4500 F C	
500-222492-19	DUP	Total/NA	Water	SM 4500 F C	
MB 500-677387/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-677387/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-222492-3 MS	G47S	Total/NA	Water	SM 4500 F C	
500-222492-3 MSD	G47S	Total/NA	Water	SM 4500 F C	

Analysis Batch: 677839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-13	T01S	Total/NA	GW	SM 2540C	
500-222492-14	G30S	Total/NA	GW	SM 2540C	
500-222492-15	G33S	Total/NA	Water	SM 2540C	
MB 500-677839/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-677839/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-222492-15 DU	G33S	Total/NA	Water	SM 2540C	

Analysis Batch: 678291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-16	T02S	Total/NA	Water	SM 2540C	
500-222492-17	T08S	Total/NA	Water	SM 2540C	
500-222492-18	T03S	Total/NA	Water	SM 2540C	
500-222492-19	DUP	Total/NA	Water	SM 2540C	
MB 500-678291/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-678291/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 675345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-1	G20S	Total/NA	Water	Field Sampling	
500-222492-2	R08S	Total/NA	Water	Field Sampling	
500-222492-3	G47S	Total/NA	Water	Field Sampling	
500-222492-4	G48S	Total/NA	Water	Field Sampling	
500-222492-5	G46S	Total/NA	Water	Field Sampling	
500-222492-6	G45S	Total/NA	Water	Field Sampling	
500-222492-7	G44S	Total/NA	Water	Field Sampling	
500-222492-8	R32S	Total/NA	Water	Field Sampling	
500-222492-9	T09S	Total/NA	Water	Field Sampling	
500-222492-10	T06S	Total/NA	Water	Field Sampling	
500-222492-11	T05S	Total/NA	Water	Field Sampling	
500-222492-12	G31S	Total/NA	Water	Field Sampling	
500-222492-13	T01S	Total/NA	GW	Field Sampling	
500-222492-14	G30S	Total/NA	GW	Field Sampling	
500-222492-15	G33S	Total/NA	Water	Field Sampling	
500-222492-16	T02S	Total/NA	Water	Field Sampling	

Eurofins Chicago

QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Field Service / Mobile Lab (Continued)

Analysis Batch: 675345 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-17	T08S	Total/NA	Water	Field Sampling	
500-222492-18	T03S	Total/NA	Water	Field Sampling	
500-222492-19	DUP	Total/NA	Water	Field Sampling	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-675848/1-A
Matrix: Water
Analysis Batch: 676368

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 675848

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/22/22 09:12	09/23/22 14:01	1
Arsenic	<0.0010		0.0010		mg/L		09/22/22 09:12	09/23/22 14:01	1
Barium	<0.0025		0.0025		mg/L		09/22/22 09:12	09/23/22 14:01	1
Beryllium	<0.0010		0.0010		mg/L		09/22/22 09:12	09/23/22 14:01	1
Boron	<0.050		0.050		mg/L		09/22/22 09:12	09/23/22 14:01	1
Cadmium	<0.00050		0.00050		mg/L		09/22/22 09:12	09/23/22 14:01	1
Calcium	<0.20		0.20		mg/L		09/22/22 09:12	09/23/22 14:01	1
Chromium	<0.0050		0.0050		mg/L		09/22/22 09:12	09/23/22 14:01	1
Cobalt	<0.0010		0.0010		mg/L		09/22/22 09:12	09/23/22 14:01	1
Lead	<0.00050		0.00050		mg/L		09/22/22 09:12	09/23/22 14:01	1
Lithium	<0.010		0.010		mg/L		09/22/22 09:12	09/23/22 14:01	1
Molybdenum	<0.0050		0.0050		mg/L		09/22/22 09:12	09/23/22 14:01	1
Selenium	<0.0025		0.0025		mg/L		09/22/22 09:12	09/23/22 14:01	1
Thallium	<0.0020		0.0020		mg/L		09/22/22 09:12	09/23/22 14:01	1

Lab Sample ID: LCS 500-675848/26-A
Matrix: Water
Analysis Batch: 676368

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 675848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.521		mg/L		104	80 - 120
Arsenic	0.100	0.0917		mg/L		92	80 - 120
Barium	2.00	2.03		mg/L		101	80 - 120
Beryllium	0.0500	0.0463		mg/L		93	80 - 120
Boron	1.00	0.968	^+	mg/L		97	80 - 120
Cadmium	0.0500	0.0494		mg/L		99	80 - 120
Calcium	10.0	9.87		mg/L		99	80 - 120
Chromium	0.200	0.206		mg/L		103	80 - 120
Cobalt	0.500	0.525		mg/L		105	80 - 120
Lead	0.100	0.106		mg/L		106	80 - 120
Lithium	0.500	0.492		mg/L		98	80 - 120
Molybdenum	1.00	0.953		mg/L		95	80 - 120
Selenium	0.100	0.0952		mg/L		95	80 - 120
Thallium	0.100	0.107		mg/L		107	80 - 120

Lab Sample ID: LCSD 500-675848/27-A
Matrix: Water
Analysis Batch: 676368

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 675848

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.500	0.505		mg/L		101	80 - 120	3	20
Arsenic	0.100	0.0891		mg/L		89	80 - 120	3	20
Barium	2.00	1.99		mg/L		100	80 - 120	2	20
Beryllium	0.0500	0.0453		mg/L		91	80 - 120	2	20
Boron	1.00	0.951	^+	mg/L		95	80 - 120	2	20
Cadmium	0.0500	0.0485		mg/L		97	80 - 120	2	20
Calcium	10.0	9.60		mg/L		96	80 - 120	3	20
Chromium	0.200	0.202		mg/L		101	80 - 120	2	20
Cobalt	0.500	0.518		mg/L		104	80 - 120	1	20

Eurofins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

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

Lab Sample ID: LCSD 500-675848/27-A
Matrix: Water
Analysis Batch: 676368

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 675848

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	0.100	0.104		mg/L		104	80 - 120	2	20
Lithium	0.500	0.482		mg/L		96	80 - 120	2	20
Molybdenum	1.00	0.931		mg/L		93	80 - 120	2	20
Selenium	0.100	0.0921		mg/L		92	80 - 120	3	20
Thallium	0.100	0.105		mg/L		105	80 - 120	2	20

Lab Sample ID: MB 500-676547/1-A
Matrix: Water
Analysis Batch: 676808

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 676547

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/27/22 08:37	09/27/22 16:50	1
Arsenic	<0.0010		0.0010		mg/L		09/27/22 08:37	09/27/22 16:50	1
Barium	<0.0025		0.0025		mg/L		09/27/22 08:37	09/27/22 16:50	1
Beryllium	<0.0010	^1+ ^+	0.0010		mg/L		09/27/22 08:37	09/27/22 16:50	1
Cadmium	<0.00050		0.00050		mg/L		09/27/22 08:37	09/27/22 16:50	1
Calcium	<0.20		0.20		mg/L		09/27/22 08:37	09/27/22 16:50	1
Chromium	<0.0050		0.0050		mg/L		09/27/22 08:37	09/27/22 16:50	1
Cobalt	<0.0010		0.0010		mg/L		09/27/22 08:37	09/27/22 16:50	1
Lead	<0.00050		0.00050		mg/L		09/27/22 08:37	09/27/22 16:50	1
Lithium	<0.010		0.010		mg/L		09/27/22 08:37	09/27/22 16:50	1
Molybdenum	<0.0050		0.0050		mg/L		09/27/22 08:37	09/27/22 16:50	1
Selenium	<0.0025		0.0025		mg/L		09/27/22 08:37	09/27/22 16:50	1
Thallium	<0.0020		0.0020		mg/L		09/27/22 08:37	09/27/22 16:50	1

Lab Sample ID: MB 500-676547/1-A
Matrix: Water
Analysis Batch: 676878

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 676547

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		09/27/22 08:37	09/28/22 12:18	1

Lab Sample ID: LCS 500-676547/2-A
Matrix: Water
Analysis Batch: 676808

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 676547

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.475		mg/L		95	80 - 120
Arsenic	0.100	0.0937		mg/L		94	80 - 120
Barium	0.500	0.489		mg/L		98	80 - 120
Beryllium	0.0500	0.0508	^1+ ^+	mg/L		102	80 - 120
Cadmium	0.0500	0.0476		mg/L		95	80 - 120
Calcium	10.0	9.38		mg/L		94	80 - 120
Chromium	0.200	0.199		mg/L		99	80 - 120
Cobalt	0.500	0.496		mg/L		99	80 - 120
Lead	0.100	0.101		mg/L		101	80 - 120
Lithium	0.100	0.104		mg/L		104	80 - 120
Molybdenum	1.00	0.893		mg/L		89	80 - 120
Selenium	0.100	0.0945		mg/L		95	80 - 120

Eurofins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

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

Lab Sample ID: LCS 500-676547/2-A
Matrix: Water
Analysis Batch: 676808

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 676547

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	0.100	0.103		mg/L		103	80 - 120

Lab Sample ID: LCS 500-676547/2-A
Matrix: Water
Analysis Batch: 676878

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 676547

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.885		mg/L		88	80 - 120

Lab Sample ID: MB 500-676771/1-A
Matrix: Water
Analysis Batch: 677063

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 676771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/28/22 08:14	09/28/22 16:16	1
Arsenic	<0.0010		0.0010		mg/L		09/28/22 08:14	09/28/22 16:16	1
Barium	<0.0025		0.0025		mg/L		09/28/22 08:14	09/28/22 16:16	1
Beryllium	<0.0010	^1+	0.0010		mg/L		09/28/22 08:14	09/28/22 16:16	1
Cadmium	<0.00050		0.00050		mg/L		09/28/22 08:14	09/28/22 16:16	1
Calcium	<0.20		0.20		mg/L		09/28/22 08:14	09/28/22 16:16	1
Chromium	<0.0050		0.0050		mg/L		09/28/22 08:14	09/28/22 16:16	1
Cobalt	<0.0010		0.0010		mg/L		09/28/22 08:14	09/28/22 16:16	1
Lead	<0.00050		0.00050		mg/L		09/28/22 08:14	09/28/22 16:16	1
Lithium	<0.010		0.010		mg/L		09/28/22 08:14	09/28/22 16:16	1
Molybdenum	<0.0050		0.0050		mg/L		09/28/22 08:14	09/28/22 16:16	1
Selenium	<0.0025		0.0025		mg/L		09/28/22 08:14	09/28/22 16:16	1
Thallium	<0.0020		0.0020		mg/L		09/28/22 08:14	09/28/22 16:16	1

Lab Sample ID: MB 500-676771/1-A
Matrix: Water
Analysis Batch: 677288

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 676771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		09/28/22 08:14	09/29/22 12:50	1

Lab Sample ID: LCS 500-676771/2-A
Matrix: Water
Analysis Batch: 677063

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 676771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.490		mg/L		98	80 - 120
Arsenic	0.100	0.0954		mg/L		95	80 - 120
Barium	0.500	0.488		mg/L		98	80 - 120
Beryllium	0.0500	0.0506	^1+	mg/L		101	80 - 120
Cadmium	0.0500	0.0490		mg/L		98	80 - 120
Calcium	10.0	9.52		mg/L		95	80 - 120
Chromium	0.200	0.199		mg/L		100	80 - 120
Cobalt	0.500	0.503		mg/L		101	80 - 120
Lead	0.100	0.102		mg/L		102	80 - 120
Lithium	0.100	0.102		mg/L		102	80 - 120

Eurofins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

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

Lab Sample ID: LCS 500-676771/2-A
Matrix: Water
Analysis Batch: 677063

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 676771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	1.00	0.919		mg/L		92	80 - 120
Selenium	0.100	0.100		mg/L		100	80 - 120
Thallium	0.100	0.101		mg/L		101	80 - 120

Lab Sample ID: LCS 500-676771/2-A
Matrix: Water
Analysis Batch: 677288

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 676771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.991		mg/L		99	80 - 120

Lab Sample ID: MB 500-677021/1-A
Matrix: Water
Analysis Batch: 677574

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 677021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/29/22 09:11	09/30/22 18:55	1
Arsenic	<0.0010		0.0010		mg/L		09/29/22 09:11	09/30/22 18:55	1
Barium	<0.0025		0.0025		mg/L		09/29/22 09:11	09/30/22 18:55	1
Beryllium	<0.0010	^1+	0.0010		mg/L		09/29/22 09:11	09/30/22 18:55	1
Cadmium	<0.00050		0.00050		mg/L		09/29/22 09:11	09/30/22 18:55	1
Calcium	<0.20		0.20		mg/L		09/29/22 09:11	09/30/22 18:55	1
Chromium	<0.0050		0.0050		mg/L		09/29/22 09:11	09/30/22 18:55	1
Cobalt	<0.0010		0.0010		mg/L		09/29/22 09:11	09/30/22 18:55	1
Lead	<0.00050		0.00050		mg/L		09/29/22 09:11	09/30/22 18:55	1
Lithium	<0.010		0.010		mg/L		09/29/22 09:11	09/30/22 18:55	1
Molybdenum	<0.0050		0.0050		mg/L		09/29/22 09:11	09/30/22 18:55	1
Selenium	<0.0025		0.0025		mg/L		09/29/22 09:11	09/30/22 18:55	1
Thallium	<0.0020		0.0020		mg/L		09/29/22 09:11	09/30/22 18:55	1

Lab Sample ID: MB 500-677021/1-A
Matrix: Water
Analysis Batch: 678011

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 677021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		09/29/22 09:11	10/04/22 15:06	1

Lab Sample ID: LCS 500-677021/2-A
Matrix: Water
Analysis Batch: 677574

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 677021

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.501		mg/L		100	80 - 120
Arsenic	0.100	0.0992		mg/L		99	80 - 120
Barium	0.500	0.503		mg/L		101	80 - 120
Beryllium	0.0500	0.0479	^1+	mg/L		96	80 - 120
Cadmium	0.0500	0.0488		mg/L		98	80 - 120
Calcium	10.0	8.61		mg/L		86	80 - 120
Chromium	0.200	0.201		mg/L		101	80 - 120
Cobalt	0.500	0.490		mg/L		98	80 - 120

Eurofins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

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

Lab Sample ID: LCS 500-677021/2-A
Matrix: Water
Analysis Batch: 677574

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 677021

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.100	0.103		mg/L		103	80 - 120
Lithium	0.100	0.102		mg/L		102	80 - 120
Molybdenum	1.00	0.936		mg/L		94	80 - 120
Selenium	0.100	0.101		mg/L		101	80 - 120
Thallium	0.100	0.104		mg/L		104	80 - 120

Lab Sample ID: LCS 500-677021/2-A
Matrix: Water
Analysis Batch: 678011

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 677021

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.01		mg/L		101	80 - 120

Lab Sample ID: MB 500-677238/1-A
Matrix: Water
Analysis Batch: 677574

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 677238

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/30/22 08:57	09/30/22 18:24	1
Arsenic	<0.0010		0.0010		mg/L		09/30/22 08:57	09/30/22 18:24	1
Barium	<0.0025		0.0025		mg/L		09/30/22 08:57	09/30/22 18:24	1
Beryllium	<0.0010	^1+	0.0010		mg/L		09/30/22 08:57	09/30/22 18:24	1
Cadmium	<0.00050		0.00050		mg/L		09/30/22 08:57	09/30/22 18:24	1
Calcium	<0.20		0.20		mg/L		09/30/22 08:57	09/30/22 18:24	1
Chromium	<0.0050		0.0050		mg/L		09/30/22 08:57	09/30/22 18:24	1
Cobalt	<0.0010		0.0010		mg/L		09/30/22 08:57	09/30/22 18:24	1
Lead	<0.00050		0.00050		mg/L		09/30/22 08:57	09/30/22 18:24	1
Lithium	<0.010		0.010		mg/L		09/30/22 08:57	09/30/22 18:24	1
Molybdenum	<0.0050		0.0050		mg/L		09/30/22 08:57	09/30/22 18:24	1
Selenium	<0.0025		0.0025		mg/L		09/30/22 08:57	09/30/22 18:24	1
Thallium	<0.0020		0.0020		mg/L		09/30/22 08:57	09/30/22 18:24	1

Lab Sample ID: MB 500-677238/1-A
Matrix: Water
Analysis Batch: 677861

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 677238

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		09/30/22 08:57	10/04/22 14:15	1

Lab Sample ID: LCS 500-677238/2-A
Matrix: Water
Analysis Batch: 677574

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 677238

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.507		mg/L		101	80 - 120
Arsenic	0.100	0.0975		mg/L		97	80 - 120
Barium	2.00	2.01		mg/L		100	80 - 120
Beryllium	0.0500	0.0476	^1+	mg/L		95	80 - 120
Cadmium	0.0500	0.0478		mg/L		96	80 - 120
Calcium	10.0	8.70		mg/L		87	80 - 120

Eurofins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

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

Lab Sample ID: LCS 500-677238/2-A
Matrix: Water
Analysis Batch: 677574

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 677238

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.200	0.204		mg/L		102	80 - 120
Cobalt	0.500	0.501		mg/L		100	80 - 120
Lead	0.100	0.103		mg/L		103	80 - 120
Lithium	0.500	0.493		mg/L		99	80 - 120
Molybdenum	1.00	0.937		mg/L		94	80 - 120
Selenium	0.100	0.0992		mg/L		99	80 - 120
Thallium	0.100	0.103		mg/L		103	80 - 120

Lab Sample ID: LCS 500-677238/2-A
Matrix: Water
Analysis Batch: 677861

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 677238

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.01		mg/L		101	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-675960/12-A
Matrix: Water
Analysis Batch: 676124

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 675960

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/22/22 15:25	09/23/22 07:42	1

Lab Sample ID: LCS 500-675960/13-A
Matrix: Water
Analysis Batch: 676124

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 675960

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00194		mg/L		97	80 - 120

Lab Sample ID: MB 500-676665/12-A
Matrix: Water
Analysis Batch: 676847

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 676665

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/22 15:20	09/28/22 07:37	1

Lab Sample ID: LCS 500-676665/13-A
Matrix: Water
Analysis Batch: 676847

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 676665

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00198		mg/L		99	80 - 120

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 500-222492-7 MS
Matrix: Water
Analysis Batch: 676847

Client Sample ID: G44S
Prep Type: Total/NA
Prep Batch: 676665

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.00101		mg/L		101	75 - 125

Lab Sample ID: 500-222492-7 MSD
Matrix: Water
Analysis Batch: 676847

Client Sample ID: G44S
Prep Type: Total/NA
Prep Batch: 676665

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.00104		mg/L		104	75 - 125	3	20

Lab Sample ID: 500-222492-7 DU
Matrix: Water
Analysis Batch: 676847

Client Sample ID: G44S
Prep Type: Total/NA
Prep Batch: 676665

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.00020		<0.00020		mg/L		NC	20

Lab Sample ID: MB 500-676906/12-A
Matrix: Water
Analysis Batch: 677085

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 676906

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/28/22 15:10	09/29/22 09:01	1

Lab Sample ID: LCS 500-676906/13-A
Matrix: Water
Analysis Batch: 677085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 676906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00187		mg/L		94	80 - 120

Lab Sample ID: MB 500-677139/12-A
Matrix: Water
Analysis Batch: 677309

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 677139

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/29/22 15:40	09/30/22 07:20	1

Lab Sample ID: LCS 500-677139/13-A
Matrix: Water
Analysis Batch: 677309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 677139

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00194		mg/L		97	80 - 120

Lab Sample ID: MB 500-677362/13-A
Matrix: Water
Analysis Batch: 677590

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 677362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/30/22 16:30	10/03/22 07:39	1

Eurofins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LCS 500-677362/12-A
 Matrix: Water
 Analysis Batch: 677590

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 677362

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00210		mg/L		105	80 - 120

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

Lab Sample ID: MB 500-676402/1
 Matrix: Water
 Analysis Batch: 676402

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			09/26/22 13:20	1

Lab Sample ID: LCS 500-676402/2
 Matrix: Water
 Analysis Batch: 676402

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	230		mg/L		92	80 - 120

Lab Sample ID: 500-222492-2 DU
 Matrix: Water
 Analysis Batch: 676402

Client Sample ID: R08S
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	780		796		mg/L		2	5

Lab Sample ID: MB 500-676925/1
 Matrix: Water
 Analysis Batch: 676925

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			09/28/22 17:35	1

Lab Sample ID: LCS 500-676925/2
 Matrix: Water
 Analysis Batch: 676925

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	224		mg/L		90	80 - 120

Lab Sample ID: 500-222492-3 MS
 Matrix: Water
 Analysis Batch: 676925

Client Sample ID: G47S
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1100		250	1300	4	mg/L		84	75 - 125

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

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

Lab Sample ID: 500-222492-3 DU
Matrix: Water
Analysis Batch: 676925

Client Sample ID: G47S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1100		1070		mg/L		2	5

Lab Sample ID: MB 500-677333/1
Matrix: Water
Analysis Batch: 677333

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			09/30/22 14:08	1

Lab Sample ID: LCS 500-677333/2
Matrix: Water
Analysis Batch: 677333

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	240		mg/L		96	80 - 120

Lab Sample ID: 500-222492-7 MS
Matrix: Water
Analysis Batch: 677333

Client Sample ID: G44S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	810		250	1090		mg/L		110	75 - 125

Lab Sample ID: 500-222492-5 DU
Matrix: Water
Analysis Batch: 677333

Client Sample ID: G46S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1000		1050		mg/L		2	5

Lab Sample ID: 500-222492-6 DU
Matrix: Water
Analysis Batch: 677333

Client Sample ID: G45S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	830		796		mg/L		4	5

Lab Sample ID: MB 500-677338/1
Matrix: Water
Analysis Batch: 677338

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			09/30/22 15:15	1

Lab Sample ID: LCS 500-677338/2
Matrix: Water
Analysis Batch: 677338

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	246		mg/L		98	80 - 120

Euofins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

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

Lab Sample ID: 500-222492-11 MS
Matrix: Water
Analysis Batch: 677338

Client Sample ID: T05S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1500		250	1740	4	mg/L		107	75 - 125

Lab Sample ID: 500-222492-9 DU
Matrix: Water
Analysis Batch: 677338

Client Sample ID: T09S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	990		1010		mg/L		2	5

Lab Sample ID: 500-222492-10 DU
Matrix: Water
Analysis Batch: 677338

Client Sample ID: T06S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	460		446		mg/L		3	5

Lab Sample ID: MB 500-677839/1
Matrix: Water
Analysis Batch: 677839

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			10/04/22 15:05	1

Lab Sample ID: LCS 500-677839/2
Matrix: Water
Analysis Batch: 677839

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	232		mg/L		93	80 - 120

Lab Sample ID: 500-222492-15 DU
Matrix: Water
Analysis Batch: 677839

Client Sample ID: G33S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	360		354		mg/L		2	5

Lab Sample ID: MB 500-678291/1
Matrix: Water
Analysis Batch: 678291

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			10/06/22 13:05	1

Lab Sample ID: LCS 500-678291/2
Matrix: Water
Analysis Batch: 678291

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	210		mg/L		84	80 - 120

Euromins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-675941/16
Matrix: Water
Analysis Batch: 675941

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			09/22/22 12:40	1

Lab Sample ID: LCS 500-675941/17
Matrix: Water
Analysis Batch: 675941

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	22.8		mg/L		114	85 - 115

Lab Sample ID: 500-222492-1 MS
Matrix: Water
Analysis Batch: 675941

Client Sample ID: G20S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	17		20.0	34.0		mg/L		84	75 - 125

Lab Sample ID: 500-222492-1 MSD
Matrix: Water
Analysis Batch: 675941

Client Sample ID: G20S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	17		20.0	34.5		mg/L		87	75 - 125	2	20

Lab Sample ID: MB 500-676200/16
Matrix: Water
Analysis Batch: 676200

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			09/23/22 16:15	1

Lab Sample ID: LCS 500-676200/17
Matrix: Water
Analysis Batch: 676200

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.7		mg/L		98	85 - 115

Lab Sample ID: 500-222492-3 MS
Matrix: Water
Analysis Batch: 676200

Client Sample ID: G47S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100		20.0	117	4	mg/L		86	75 - 125

Lab Sample ID: 500-222492-3 MSD
Matrix: Water
Analysis Batch: 676200

Client Sample ID: G47S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	100		20.0	117	4	mg/L		85	75 - 125	0	20

Eurofins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-676614/16
Matrix: Water
Analysis Batch: 676614

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			09/27/22 12:09	1

Lab Sample ID: LCS 500-676614/17
Matrix: Water
Analysis Batch: 676614

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.1		mg/L		101	85 - 115

Lab Sample ID: 500-222492-5 MS
Matrix: Water
Analysis Batch: 676614

Client Sample ID: G46S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	63		20.0	80.4		mg/L		86	75 - 125

Lab Sample ID: 500-222492-5 MSD
Matrix: Water
Analysis Batch: 676614

Client Sample ID: G46S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	63		20.0	79.8		mg/L		84	75 - 125	1	20

Lab Sample ID: MB 500-677306/16
Matrix: Water
Analysis Batch: 677306

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			09/30/22 09:41	1

Lab Sample ID: LCS 500-677306/17
Matrix: Water
Analysis Batch: 677306

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.0		mg/L		100	85 - 115

Lab Sample ID: 500-222492-10 MS
Matrix: Water
Analysis Batch: 677306

Client Sample ID: T06S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15		20.0	32.2		mg/L		87	75 - 125

Lab Sample ID: 500-222492-10 MSD
Matrix: Water
Analysis Batch: 677306

Client Sample ID: T06S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	15		20.0	32.2		mg/L		87	75 - 125	0	20

Eurolins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-675998/3
Matrix: Water
Analysis Batch: 675998

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			09/22/22 15:41	1

Lab Sample ID: LCS 500-675998/4
Matrix: Water
Analysis Batch: 675998

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	10.1		mg/L		101	90 - 119

Lab Sample ID: 500-222492-2 MS
Matrix: Water
Analysis Batch: 675998

Client Sample ID: R08S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.14		5.00	5.26		mg/L		102	75 - 125

Lab Sample ID: 500-222492-2 MSD
Matrix: Water
Analysis Batch: 675998

Client Sample ID: R08S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.14		5.00	5.18		mg/L		101	75 - 125	2	20

Lab Sample ID: MB 500-677387/3
Matrix: Water
Analysis Batch: 677387

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			10/01/22 10:53	1

Lab Sample ID: LCS 500-677387/4
Matrix: Water
Analysis Batch: 677387

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	10.2		mg/L		102	90 - 119

Lab Sample ID: 500-222492-3 MS
Matrix: Water
Analysis Batch: 677387

Client Sample ID: G47S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.90		5.00	6.04		mg/L		103	75 - 125

Lab Sample ID: 500-222492-3 MSD
Matrix: Water
Analysis Batch: 677387

Client Sample ID: G47S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.90		5.00	5.98		mg/L		102	75 - 125	1	20

Eurofins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-676645/16
Matrix: Water
Analysis Batch: 676645

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			09/27/22 14:11	1

Lab Sample ID: LCS 500-676645/17
Matrix: Water
Analysis Batch: 676645

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	21.6		mg/L		108	88 - 123

Lab Sample ID: 500-222492-1 MS
Matrix: Water
Analysis Batch: 676645

Client Sample ID: G20S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	55	F1	20.0	69.7	F1	mg/L		73	75 - 125

Lab Sample ID: 500-222492-1 MSD
Matrix: Water
Analysis Batch: 676645

Client Sample ID: G20S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	55	F1	20.0	70.2		mg/L		76	75 - 125	1	20

Lab Sample ID: MB 500-677311/16
Matrix: Water
Analysis Batch: 677311

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			09/30/22 12:25	1

Lab Sample ID: LCS 500-677311/17
Matrix: Water
Analysis Batch: 677311

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	21.9		mg/L		110	88 - 123

Lab Sample ID: 500-222492-11 MS
Matrix: Water
Analysis Batch: 677311

Client Sample ID: T05S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	630		20.0	635	4	mg/L		25	75 - 125

Lab Sample ID: 500-222492-11 MSD
Matrix: Water
Analysis Batch: 677311

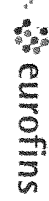
Client Sample ID: T05S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	630		20.0	636	4	mg/L		30	75 - 125	0	20

Eurofins Chicago

Chain of Custody Record

538584




Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact Company Name: <u>Midwest Generation FME LLC</u> Address: _____ City/State/Zip: <u>Joliet, IL</u> Phone: _____ Fax: _____ Project Name: <u>Project # 9 CCK</u> Site: <u>3022 Gas + Turbid.H</u> P O #: _____		Project Manager : <u>Diana Mcker</u> Tel/Email : _____ Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below: _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact : _____ Lab Contact : _____ Date : _____ Carrier : _____ COC No: _____ of _____ COCs	
Sample Identification <u>G205</u> <u>K085</u>		Sample Date : <u>09/19/22</u> Sample Time : <u>0905</u> <u>09/19/22 1300</u>		Sample Type (C=Comp G=Grab): _____ Matrix : <u>W</u> # of Cont. : <u>5</u>	
Filtered Sample (Y/N) Perform MS/MSD (Y/N) <u>Radium 226</u> <u>Radium 228</u> <u>Combined 226/228</u> <u>Metals 14 elements + Hg</u> <u>TDS, A, Cl, SO4</u>		Carrier : _____ 500-222492 COC 		Sampler : _____ For Lab Use Only Walk-in Client: _____ Lab Sampling: _____ Job / SDG No: <u>500-222492</u> Sample Specific Notes: _____	
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					
Special Instructions/QC Requirements & Comments: <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Relinquished by: <u>OL</u> Company: <u>EETHA</u> Date/Time: <u>09/19/22</u>		Custody Seal No : _____ Received by: <u>1410</u> Date/Time: _____ Received in Laboratory by: <u>Amie Kroth</u> Company: <u>EETHA</u> Date/Time: <u>9/19/22 1410</u>		Cooler Temp (°C) Obs'd : <u>2.8</u> Corrd : <u>1.5</u> Therm ID No : _____	

Chain of Custody Record

524018



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager: <i>Diana Mueller</i>			Site Contact:			Date		COC No		
Company Name: <i>Midwest Generation EME LLC</i>		Tel/Email:			Lab Contact:			Carrier:		_____ of _____ COCs		
Address		Analysis Turnaround Time										
City/State/Zip: <i>Joliet, IL</i>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____										
Phone		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day										
Project Name: <i>Joliet #9 CCR</i>		500-222492 COC 										
Site: <i>3022 GW + Turbidity</i>												
P O #												
						Filtered Sample (Y/N)		Perform MS / MSD (Y/N)				
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Radium 226	Radium 228	Combined 226/228	Metals 14 elements + Hg	TDS, F, Cl, SO4	Sample Specific Notes
<i>G465</i>		<i>09/26/22</i>	<i>0911</i>		<i>W</i>	<i>5</i>	<i>/</i>	<i>/</i>	<i>/</i>	<i>/</i>		
<i>G455</i>		<i>09/26/22</i>	<i>1031</i>		<i>W</i>	<i>5</i>	<i>/</i>	<i>/</i>	<i>/</i>	<i>/</i>		
<i>G445</i>		<i>09/26/22</i>	<i>1218</i>		<i>W</i>	<i>5</i>	<i>/</i>	<i>/</i>	<i>/</i>	<i>/</i>		
<i>R320</i>		<i>09/26/22</i>	<i>1321</i>		<i>W</i>	<i>5</i>	<i>/</i>	<i>/</i>	<i>/</i>	<i>/</i>		
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other												
Possible Hazard Identification:							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample							<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
<input type="checkbox"/> Non Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown												
Special Instructions/QC Requirements & Comments:												
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				Custody Seal No		Cooler Temp (°C) Obs'd <i>4.3</i> Corr'd. <i>3.0</i>		Therm ID No				
Relinquished by <i>[Signature]</i>		Company <i>EETP</i>		Date/Time <i>09/26/22 1425</i>		Received by		Company		Date/Time		
Relinquished by		Company		Date/Time		Received by		Company		Date/Time		
Relinquished by		Company		Date/Time		Received in Laboratory by <i>[Signature]</i>		Company <i>EETP</i>		Date/Time <i>9/26/22 1425</i>		



Chain of Custody Record

524019



Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

** 500,222492 COC

TAL-8210

Client Contact		Project Manager <i>Diana Muckler</i>		Site Contact		Date	
Company Name <i>Midwest Generation EME LLC</i>		Tel/Email		Lab Contact		Carrier	
Address		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) <i>Radium 226</i> <i>Radium 228</i> <i>Combined 226/228</i> <i>Metals 14 elements + Hg</i> <i>TDS, FI, CI, SO4</i>		COC # of _____ COCs	
City/State/Zip <i>Joliet, IL</i>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS				Sampler:	
Phone		TAT if different from Below _____				For Lab Use Only	
Fax		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day				Walk-in Client <input type="checkbox"/>	
Project Name <i>Joliet #9 CCR</i>						Lab Sampling <input type="checkbox"/>	
Site <i>3Q22 GW + Turbidity</i>				Job / SDG No		<i>500-222492</i>	
P O #						Sample Specific Notes	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	
<i>13 TO15</i>		<i>09/28/22</i>	<i>0932</i>		<i>W</i>	<i>5</i>	
<i>14 G30S</i>		<i>09/28/22</i>	<i>1203</i>		<i>W</i>	<i>5</i>	
<i>15 G33S</i>		<i>09/28/22</i>	<i>1403</i>		<i>W</i>	<i>5</i>	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other							
Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample				<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							
Special Instructions/QC Requirements & Comments:							
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd <i>1.4</i> Corr'd <i>0.1</i>		Therm ID No	
Relinquished by <i>[Signature]</i>		Company <i>EETA</i>		Date/Time <i>09/28/22 1527</i>		Received by	
Relinquished by		Company		Date/Time		Received by	
Relinquished by		Company		Date/Time		Received in Laboratory by <i>[Signature]</i>	
						Company <i>EETA</i> Date/Time <i>9/28/22 1527</i>	

Chain of Custody Record

524020




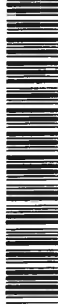
Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

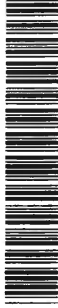
Client Contact Company Name <i>Midwest Generation EPC U</i> Address _____ City/State/Zip <i>Joliet, IL</i> Phone _____ Fax _____ Project Name <i>Joliet #9 CCR</i> Site <i>3Q22 GW + Turbidity</i> P O # _____		Project Manager <i>Diana Mockler</i> Tel/Email: _____		Site Contact: _____ Lab Contact: _____		Date _____ Carrier _____		COC No _____ _____ of _____ COCs									
		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) _____ Perform MS / MSD (Y/N) _____ <i>Radium 226</i> <i>Radium 228</i> <i>Combined 226/228</i> <i>Metals 14 elements + 19</i> <i>TDS, F1, Cl, SO4</i>		 500-222492 COC		Sampler _____ For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/>		Job / SDG No <i>500-222492</i>							
Sample Identification		Sample Date						Sample Time		Sample Type (C=Comp, G=Grab)		Matrix		# of Cont.		Sample Specific Notes	
<i>16</i> <i>17</i> <i>18</i> <i>19</i>		<i>T025</i>						<i>09/29/22 0929</i>		<i>E</i>		<i>5</i>		<i>5</i>			
		<i>T085</i>						<i>09/29/22 1131</i>		<i>W</i>		<i>5</i>		<i>5</i>			
		<i>T035</i>						<i>09/29/22 1337</i>		<i>W</i>		<i>5</i>		<i>5</i>			
		<i>D4P of T035</i>		<i>09/29/22 1337</i>		<i>W</i>		<i>5</i>		<i>5</i>							
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other _____						Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments:																	
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No			Custody Seal No _____			Cooler Temp (°C) Obs'd <i>19</i> Corr'd <i>19</i>			Therm ID No _____								
Relinquished by <i>ETD</i>			Company <i>ETD</i>			Date/Time <i>09/29/22 1458</i>			Received by _____			Company _____			Date/Time _____		
Relinquished by _____			Company _____			Date/Time _____			Received by _____			Company _____			Date/Time _____		
Relinquished by _____			Company _____			Date/Time _____			Received in Laboratory by <i>John Smith</i>			Company <i>ETD</i>			Date/Time <i>9/29/22 1458</i>		



Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:
Shipping/Receiving		Phone:	Mockler, Diana J		500-165564.1
Company: TesAmerica Laboratories, Inc.		E-Mail:	Diana.Mockler@et.eurofins.com	State of Origin:	Page: 1 of 1
Address: 13715 Ridler Trail North,		Accreditations Required (See note):		Job #:	500-222492-2
City: Earth City		NELAP - Illinois		Preservation Codes:	
State, Zip: MO, 63045		Due Date Requested: 10/10/2022		A - HCL M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)	
PO #: 314-298-8566(Tel) 314-298-8757(Fax)		TAT Requested (days):		Analysis Requested	
WO #:		Field Filtered Sample (Yes or No)		903.0/PreSep_21 Standard Target List	
Project #: 50011504		Perform MS/MSD (Yes or No)		904.0/PreSep_0 Standard Target List	
Site: NRG Midwest Generation LSQ Joliet #9 CCR		Matrix (W=water, S=solid, O=oil, BT=titania, A=Al)		Ra26Ra228 GFC	
		Sample Type (C=Comp, G=grab)		Total Number of Containers	
		Sample Time		3	
		Sample Date		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
Sample Identification - Client ID (Lab ID)		Preservation Code:		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
G46S (500-222492-5)	9/26/22	09:11 Central	Water	X	X
G45S (500-222492-6)	9/26/22	10:31 Central	Water	X	X
G44S (500-222492-7)	9/26/22	12:18 Central	Water	X	X
R32S (500-222492-8)	9/26/22	13:21 Central	Water	X	X
<p>Special Instructions/Note:</p> <p>Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;</p> <p>Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;</p> <p>Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;</p> <p>Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;</p>					
<p>Possible Hazard Identification</p> <p>Unconfirmed</p> <p>Deliverable Requested: I, II, III, IV, Other (specify) _____</p> <p>Primary Deliverable Rank: 2</p> <p>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</p> <p><input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months</p> <p>Special Instructions/QC Requirements: _____</p>					
Relinquished by: <i>Alvin Booth</i>		Date/Time: 9/27/22 15:15		Company: <i>FEDEX</i>	
Relinquished by: <i>Alvin Booth</i>		Date/Time: 9/27/22 15:15		Company: <i>FEDEX</i>	
Relinquished by: <i>Alvin Booth</i>		Date/Time: 9/27/22 15:15		Company: <i>FEDEX</i>	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	



Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Mockler, Diana J	Lab No: 500-165564.1									
Client Contact: Shipping/Receiving		E-Mail: Diana.Mockler@et.eurofins.com	Page: Page 1 of 1									
Company: TestAmerica Laboratories, Inc.		Address: 13715 Rider Trail North, Earth City, State, Zip: MO, 63045	State of Origin: Illinois									
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		PO #:	Job #: 500-222492-1									
Email:		WO #:	Accreditations Required (See note): NELAP - Illinois									
Project Name: Joliet #9 (Quarry) CCR 3Q22		Project #: 50011504	Analysis Requested									
Site: NRG Midwest Generation LSQ Joliet #9 CCR		SSOW#:										
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	MATRIX (Water, Solid, Other, 817=Issue, A=Al)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PreSep_21 Standard Target List	904.0/PreSep_0 Standard Target List	Ra226Ra228_GFPc	Total Number of Containers	Special Instructions/Note:
T09S (500-222492-9)	9/27/22	09:08 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T06S (500-222492-10)	9/27/22	10:30 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T05S (500-222492-11)	9/27/22	11:46 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G31S (500-222492-12)	9/27/22	13:31 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Preservation Codes:
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Nitric Acid
R - Na2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
Other:

Special Instructions/Note:
Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Possible Hazard Identification
Unconfirmed
Deliverable Requested: I, II, III, IV, Other (specify) _____
Primary Deliverable Rank: 2

Empty Kit Relinquished by: _____ Date: _____ Time: _____
Relinquished by: *John Smith* Date: 9/27/22 Time: 15:15 Company: *FED EX*
Relinquished by: _____ Date: _____ Time: _____ Company: _____
Relinquished by: _____ Date: _____ Time: _____ Company: _____

Custody Seals Intact: Yes No Custody Seal No.: _____
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Return To Client Disposal By Lab Archive For _____ Months
Special Instructions/QC Requirements: _____
Method of Shipment: _____
Received by: *FED EX* Date/Time: _____
Received by: *Autumn R. Johnson* Date/Time: SEP 28 2022 0850 Company: *EA-SIC*
Received by: _____ Date/Time: _____ Company: _____
Cooler Temperature(s) °C and Other Remarks: _____



Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-222492-1

Login Number: 222492

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5,1.5,3.0,0.8,0.1,1.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Lab Chronicle

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: G20S

Lab Sample ID: 500-222492-1

Date Collected: 09/19/22 09:05

Matrix: Water

Date Received: 09/19/22 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			675848	BDE	EET CHI	09/22/22 09:12 - 09/22/22 09:42 ¹
Total Recoverable	Analysis	6020A		1	676368	FXG	EET CHI	09/23/22 15:33
Total Recoverable	Prep	3005A			675848	BDE	EET CHI	09/22/22 09:12 - 09/22/22 09:42 ¹
Total Recoverable	Analysis	6020A		5	676368	FXG	EET CHI	09/23/22 18:27
Total/NA	Prep	7470A			675960	MJG	EET CHI	09/22/22 15:25 - 09/22/22 17:25 ¹
Total/NA	Analysis	7470A		1	676124	MJG	EET CHI	09/23/22 08:43
Total/NA	Analysis	SM 2540C		1	676402	SMO	EET CHI	09/26/22 13:48
Total/NA	Analysis	SM 4500 CI- E		1	675941	LP	EET CHI	09/22/22 12:41
Total/NA	Analysis	SM 4500 F C		1	675998	EAT	EET CHI	09/22/22 16:34
Total/NA	Analysis	SM 4500 SO4 E		2	676645	LP	EET CHI	09/27/22 14:12
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/19/22 09:05

Client Sample ID: R08S

Lab Sample ID: 500-222492-2

Date Collected: 09/19/22 13:00

Matrix: Water

Date Received: 09/19/22 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			675848	BDE	EET CHI	09/22/22 09:12 - 09/22/22 09:42 ¹
Total Recoverable	Analysis	6020A		1	676368	FXG	EET CHI	09/23/22 15:37
Total Recoverable	Prep	3005A			675848	BDE	EET CHI	09/22/22 09:12 - 09/22/22 09:42 ¹
Total Recoverable	Analysis	6020A		20	676368	FXG	EET CHI	09/23/22 18:31
Total/NA	Prep	7470A			675960	MJG	EET CHI	09/22/22 15:25 - 09/22/22 17:25 ¹
Total/NA	Analysis	7470A		1	676124	MJG	EET CHI	09/23/22 08:45
Total/NA	Analysis	SM 2540C		1	676402	SMO	EET CHI	09/26/22 13:50
Total/NA	Analysis	SM 4500 CI- E		2	675941	LP	EET CHI	09/22/22 14:20
Total/NA	Analysis	SM 4500 F C		1	675998	EAT	EET CHI	09/22/22 16:37
Total/NA	Analysis	SM 4500 SO4 E		20	676645	LP	EET CHI	09/27/22 14:13
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/19/22 13:00

Client Sample ID: G47S

Lab Sample ID: 500-222492-3

Date Collected: 09/22/22 10:35

Matrix: Water

Date Received: 09/22/22 14:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			676547	BDE	EET CHI	09/27/22 08:37 - 09/27/22 09:07 ¹
Total Recoverable	Analysis	6020A		1	676808	FXG	EET CHI	09/27/22 17:18
Total Recoverable	Prep	3005A			676547	BDE	EET CHI	09/27/22 08:37 - 09/27/22 09:07 ¹
Total Recoverable	Analysis	6020A		20	676878	FXG	EET CHI	09/28/22 12:25
Total/NA	Prep	7470A			676665	MJG	EET CHI	09/27/22 15:20 - 09/27/22 17:20 ¹
Total/NA	Analysis	7470A		1	676847	MJG	EET CHI	09/28/22 07:45
Total/NA	Analysis	SM 2540C		1	676925	SMO	EET CHI	09/28/22 17:37
Total/NA	Analysis	SM 4500 CI- E		5	676200	LP	EET CHI	09/23/22 16:15
Total/NA	Analysis	SM 4500 F C		1	677387	EAT	EET CHI	10/01/22 11:00

Lab Chronicle

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: G47S

Date Collected: 09/22/22 10:35

Date Received: 09/22/22 14:47

Lab Sample ID: 500-222492-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		20	676645	LP	EET CHI	09/27/22 14:13
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/22/22 10:35

Client Sample ID: G48S

Date Collected: 09/22/22 12:59

Date Received: 09/22/22 14:47

Lab Sample ID: 500-222492-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			676547	BDE	EET CHI	09/27/22 08:37 - 09/27/22 09:07 ¹
Total Recoverable	Analysis	6020A		1	676808	FXG	EET CHI	09/27/22 17:21
Total Recoverable	Prep	3005A			676547	BDE	EET CHI	09/27/22 08:37 - 09/27/22 09:07 ¹
Total Recoverable	Analysis	6020A		20	676878	FXG	EET CHI	09/28/22 12:29
Total/NA	Prep	7470A			676665	MJG	EET CHI	09/27/22 15:20 - 09/27/22 17:20 ¹
Total/NA	Analysis	7470A		1	676847	MJG	EET CHI	09/28/22 07:47
Total/NA	Analysis	SM 2540C		1	676925	SMO	EET CHI	09/28/22 17:42
Total/NA	Analysis	SM 4500 CI- E		5	676200	LP	EET CHI	09/23/22 16:16
Total/NA	Analysis	SM 4500 F C		1	677387	EAT	EET CHI	10/01/22 11:13
Total/NA	Analysis	SM 4500 SO4 E		20	676645	LP	EET CHI	09/27/22 14:13
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/22/22 12:59

Client Sample ID: G46S

Date Collected: 09/26/22 09:11

Date Received: 09/26/22 14:25

Lab Sample ID: 500-222492-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			676547	BDE	EET CHI	09/27/22 08:37 - 09/27/22 09:07 ¹
Total Recoverable	Analysis	6020A		1	676808	FXG	EET CHI	09/27/22 17:32
Total Recoverable	Prep	3005A			676547	BDE	EET CHI	09/27/22 08:37 - 09/27/22 09:07 ¹
Total Recoverable	Analysis	6020A		50	676878	FXG	EET CHI	09/28/22 12:32
Total/NA	Prep	7470A			676665	MJG	EET CHI	09/27/22 15:20 - 09/27/22 17:20 ¹
Total/NA	Analysis	7470A		1	676847	MJG	EET CHI	09/28/22 07:50
Total/NA	Analysis	SM 2540C		1	677333	SMO	EET CHI	09/30/22 14:08
Total/NA	Analysis	SM 4500 CI- E		5	676614	LP	EET CHI	09/27/22 12:10
Total/NA	Analysis	SM 4500 F C		1	677387	EAT	EET CHI	10/01/22 11:15
Total/NA	Analysis	SM 4500 SO4 E		20	676645	LP	EET CHI	09/27/22 14:13
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/26/22 09:11

Client Sample ID: G45S

Date Collected: 09/26/22 10:31

Date Received: 09/26/22 14:25

Lab Sample ID: 500-222492-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			676547	BDE	EET CHI	09/27/22 08:37 - 09/27/22 09:07 ¹
Total Recoverable	Analysis	6020A		1	676808	FXG	EET CHI	09/27/22 17:35

Eurofins Chicago

Lab Chronicle

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: G45S

Date Collected: 09/26/22 10:31

Date Received: 09/26/22 14:25

Lab Sample ID: 500-222492-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			676547	BDE	EET CHI	09/27/22 08:37 - 09/27/22 09:07 ¹
Total Recoverable	Analysis	6020A		1	676878	FXG	EET CHI	09/28/22 12:35
Total/NA	Prep	7470A			676665	MJG	EET CHI	09/27/22 15:20 - 09/27/22 17:20 ¹
Total/NA	Analysis	7470A		1	676847	MJG	EET CHI	09/28/22 07:52
Total/NA	Analysis	SM 2540C		1	677333	SMO	EET CHI	09/30/22 14:08
Total/NA	Analysis	SM 4500 CI- E		10	676614	LP	EET CHI	09/27/22 12:10
Total/NA	Analysis	SM 4500 F C		1	677387	EAT	EET CHI	10/01/22 11:18
Total/NA	Analysis	SM 4500 SO4 E		10	676645	LP	EET CHI	09/27/22 14:14
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/26/22 10:31

Client Sample ID: G44S

Date Collected: 09/26/22 12:18

Date Received: 09/26/22 14:25

Lab Sample ID: 500-222492-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			676547	BDE	EET CHI	09/27/22 08:37 - 09/27/22 09:07 ¹
Total Recoverable	Analysis	6020A		1	676808	FXG	EET CHI	09/27/22 17:38
Total Recoverable	Prep	3005A			676547	BDE	EET CHI	09/27/22 08:37 - 09/27/22 09:07 ¹
Total Recoverable	Analysis	6020A		5	676878	FXG	EET CHI	09/28/22 12:39
Total/NA	Prep	7470A			676665	MJG	EET CHI	09/27/22 15:20 - 09/27/22 17:20 ¹
Total/NA	Analysis	7470A		1	676847	MJG	EET CHI	09/28/22 07:54
Total/NA	Analysis	SM 2540C		1	677333	SMO	EET CHI	09/30/22 14:08
Total/NA	Analysis	SM 4500 CI- E		10	676614	LP	EET CHI	09/27/22 12:11
Total/NA	Analysis	SM 4500 F C		1	677387	EAT	EET CHI	10/01/22 11:21
Total/NA	Analysis	SM 4500 SO4 E		10	676645	LP	EET CHI	09/27/22 14:15
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/26/22 12:18

Client Sample ID: R32S

Date Collected: 09/26/22 13:21

Date Received: 09/26/22 14:25

Lab Sample ID: 500-222492-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			676547	BDE	EET CHI	09/27/22 08:37 - 09/27/22 09:07 ¹
Total Recoverable	Analysis	6020A		1	676808	FXG	EET CHI	09/27/22 17:42
Total Recoverable	Prep	3005A			676547	BDE	EET CHI	09/27/22 08:37 - 09/27/22 09:07 ¹
Total Recoverable	Analysis	6020A		20	676878	FXG	EET CHI	09/28/22 12:42
Total/NA	Prep	7470A			676665	MJG	EET CHI	09/27/22 15:20 - 09/27/22 17:20 ¹
Total/NA	Analysis	7470A		1	676847	MJG	EET CHI	09/28/22 08:32
Total/NA	Analysis	SM 2540C		1	677333	SMO	EET CHI	09/30/22 14:08
Total/NA	Analysis	SM 4500 CI- E		5	676614	LP	EET CHI	09/27/22 12:11
Total/NA	Analysis	SM 4500 F C		1	677387	EAT	EET CHI	10/01/22 11:24
Total/NA	Analysis	SM 4500 SO4 E		20	676645	LP	EET CHI	09/27/22 14:15
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/26/22 13:21

Eurofins Chicago

Lab Chronicle

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: T09S

Lab Sample ID: 500-222492-9

Date Collected: 09/27/22 09:08

Matrix: Water

Date Received: 09/27/22 14:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			676771	BDE	EET CHI	09/28/22 08:14 - 09/28/22 08:44 ¹
Total Recoverable	Analysis	6020A		1	677063	FXG	EET CHI	09/28/22 16:23
Total Recoverable	Prep	3005A			676771	BDE	EET CHI	09/28/22 08:14 - 09/28/22 08:44 ¹
Total Recoverable	Analysis	6020A		20	677288	FXG	EET CHI	09/29/22 12:57
Total/NA	Prep	7470A			676906	MJG	EET CHI	09/28/22 15:10 - 09/28/22 17:10 ¹
Total/NA	Analysis	7470A		1	677085	MJG	EET CHI	09/29/22 09:49
Total/NA	Analysis	SM 2540C		1	677338	SMO	EET CHI	09/30/22 15:17
Total/NA	Analysis	SM 4500 CI- E		5	677306	LP	EET CHI	09/30/22 09:59
Total/NA	Analysis	SM 4500 F C		1	677387	EAT	EET CHI	10/01/22 11:34
Total/NA	Analysis	SM 4500 SO4 E		20	677311	LP	EET CHI	09/30/22 12:27
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/27/22 09:08

Client Sample ID: T06S

Lab Sample ID: 500-222492-10

Date Collected: 09/27/22 10:30

Matrix: Water

Date Received: 09/27/22 14:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			676771	BDE	EET CHI	09/28/22 08:14 - 09/28/22 08:44 ¹
Total Recoverable	Analysis	6020A		1	677063	FXG	EET CHI	09/28/22 16:26
Total Recoverable	Prep	3005A			676771	BDE	EET CHI	09/28/22 08:14 - 09/28/22 08:44 ¹
Total Recoverable	Analysis	6020A		1	677288	FXG	EET CHI	09/29/22 13:01
Total/NA	Prep	7470A			676906	MJG	EET CHI	09/28/22 15:10 - 09/28/22 17:10 ¹
Total/NA	Analysis	7470A		1	677085	MJG	EET CHI	09/29/22 09:52
Total/NA	Analysis	SM 2540C		1	677338	SMO	EET CHI	09/30/22 15:20
Total/NA	Analysis	SM 4500 CI- E		1	677306	LP	EET CHI	09/30/22 09:41
Total/NA	Analysis	SM 4500 F C		1	677387	EAT	EET CHI	10/01/22 11:37
Total/NA	Analysis	SM 4500 SO4 E		10	677311	LP	EET CHI	09/30/22 12:28
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/27/22 10:30

Client Sample ID: T05S

Lab Sample ID: 500-222492-11

Date Collected: 09/27/22 11:46

Matrix: Water

Date Received: 09/27/22 14:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			676771	BDE	EET CHI	09/28/22 08:14 - 09/28/22 08:44 ¹
Total Recoverable	Analysis	6020A		1	677063	FXG	EET CHI	09/28/22 16:30
Total Recoverable	Prep	3005A			676771	BDE	EET CHI	09/28/22 08:14 - 09/28/22 08:44 ¹
Total Recoverable	Analysis	6020A		20	677288	FXG	EET CHI	09/29/22 13:04
Total/NA	Prep	7470A			676906	MJG	EET CHI	09/28/22 15:10 - 09/28/22 17:10 ¹
Total/NA	Analysis	7470A		1	677085	MJG	EET CHI	09/29/22 09:54
Total/NA	Analysis	SM 2540C		1	677338	SMO	EET CHI	09/30/22 15:22
Total/NA	Analysis	SM 4500 CI- E		10	677306	LP	EET CHI	09/30/22 09:59
Total/NA	Analysis	SM 4500 F C		1	677387	EAT	EET CHI	10/01/22 11:40

Lab Chronicle

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: T05S

Date Collected: 09/27/22 11:46

Date Received: 09/27/22 14:28

Lab Sample ID: 500-222492-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		20	677311	LP	EET CHI	09/30/22 12:41
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/27/22 11:46

Client Sample ID: G31S

Date Collected: 09/27/22 13:31

Date Received: 09/27/22 14:28

Lab Sample ID: 500-222492-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			676771	BDE	EET CHI	09/28/22 08:14 - 09/28/22 08:44 ¹
Total Recoverable	Analysis	6020A		1	677063	FXG	EET CHI	09/28/22 16:33
Total Recoverable	Prep	3005A			676771	BDE	EET CHI	09/28/22 08:14 - 09/28/22 08:44 ¹
Total Recoverable	Analysis	6020A		10	677288	FXG	EET CHI	09/29/22 13:08
Total/NA	Prep	7470A			676906	MJG	EET CHI	09/28/22 15:10 - 09/28/22 17:10 ¹
Total/NA	Analysis	7470A		1	677085	MJG	EET CHI	09/29/22 09:56
Total/NA	Analysis	SM 2540C		1	677338	SMO	EET CHI	09/30/22 15:25
Total/NA	Analysis	SM 4500 CI- E		10	677306	LP	EET CHI	09/30/22 09:59
Total/NA	Analysis	SM 4500 F C		1	677387	EAT	EET CHI	10/01/22 11:43
Total/NA	Analysis	SM 4500 SO4 E		20	677311	LP	EET CHI	09/30/22 12:28
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/27/22 13:31

Client Sample ID: T01S

Date Collected: 09/28/22 09:32

Date Received: 09/28/22 15:27

Lab Sample ID: 500-222492-13

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677021	BDE	EET CHI	09/29/22 09:11 - 09/29/22 09:41 ¹
Total Recoverable	Analysis	6020A		1	677574	FXG	EET CHI	09/30/22 19:40
Total Recoverable	Prep	3005A			677021	BDE	EET CHI	09/29/22 09:11 - 09/29/22 09:41 ¹
Total Recoverable	Analysis	6020A		10	678011	FXG	EET CHI	10/04/22 15:30
Total/NA	Prep	7470A			677139	MJG	EET CHI	09/29/22 15:40 - 09/29/22 17:40 ¹
Total/NA	Analysis	7470A		1	677309	MJG	EET CHI	09/30/22 07:30
Total/NA	Analysis	SM 2540C		1	677839	SMO	EET CHI	10/04/22 15:30
Total/NA	Analysis	SM 4500 CI- E		10	677306	LP	EET CHI	09/30/22 10:00
Total/NA	Analysis	SM 4500 F C		1	677387	EAT	EET CHI	10/01/22 11:45
Total/NA	Analysis	SM 4500 SO4 E		10	677311	LP	EET CHI	09/30/22 12:28
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/28/22 09:32

Client Sample ID: G30S

Date Collected: 09/28/22 12:03

Date Received: 09/28/22 15:27

Lab Sample ID: 500-222492-14

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677021	BDE	EET CHI	09/29/22 09:11 - 09/29/22 09:41 ¹
Total Recoverable	Analysis	6020A		1	677574	FXG	EET CHI	09/30/22 19:43

Eurofins Chicago

Lab Chronicle

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: G30S

Date Collected: 09/28/22 12:03

Date Received: 09/28/22 15:27

Lab Sample ID: 500-222492-14

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677021	BDE	EET CHI	09/29/22 09:11 - 09/29/22 09:41 ¹
Total Recoverable	Analysis	6020A		10	678011	FXG	EET CHI	10/04/22 15:33
Total/NA	Prep	7470A			677139	MJG	EET CHI	09/29/22 15:40 - 09/29/22 17:40 ¹
Total/NA	Analysis	7470A		1	677309	MJG	EET CHI	09/30/22 07:33
Total/NA	Analysis	SM 2540C		1	677839	SMO	EET CHI	10/04/22 15:31
Total/NA	Analysis	SM 4500 CI- E		10	677306	LP	EET CHI	09/30/22 10:00
Total/NA	Analysis	SM 4500 F C		1	677387	EAT	EET CHI	10/01/22 11:48
Total/NA	Analysis	SM 4500 SO4 E		20	677311	LP	EET CHI	09/30/22 12:29
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/28/22 12:03

Client Sample ID: G33S

Date Collected: 09/28/22 14:03

Date Received: 09/28/22 15:27

Lab Sample ID: 500-222492-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677021	BDE	EET CHI	09/29/22 09:11 - 09/29/22 09:41 ¹
Total Recoverable	Analysis	6020A		1	677574	FXG	EET CHI	09/30/22 19:47
Total Recoverable	Prep	3005A			677021	BDE	EET CHI	09/29/22 09:11 - 09/29/22 09:41 ¹
Total Recoverable	Analysis	6020A		5	678011	FXG	EET CHI	10/04/22 15:37
Total/NA	Prep	7470A			677139	MJG	EET CHI	09/29/22 15:40 - 09/29/22 17:40 ¹
Total/NA	Analysis	7470A		1	677309	MJG	EET CHI	09/30/22 07:35
Total/NA	Analysis	SM 2540C		1	677839	SMO	EET CHI	10/04/22 15:32
Total/NA	Analysis	SM 4500 CI- E		1	677306	LP	EET CHI	09/30/22 09:43
Total/NA	Analysis	SM 4500 F C		1	677387	EAT	EET CHI	10/01/22 11:51
Total/NA	Analysis	SM 4500 SO4 E		5	677311	LP	EET CHI	09/30/22 12:30
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/28/22 14:03

Client Sample ID: T02S

Date Collected: 09/29/22 09:29

Date Received: 09/29/22 14:58

Lab Sample ID: 500-222492-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677238	BDE	EET CHI	09/30/22 08:57 - 09/30/22 09:27 ¹
Total Recoverable	Analysis	6020A		1	677574	FXG	EET CHI	09/30/22 18:31
Total Recoverable	Prep	3005A			677238	BDE	EET CHI	09/30/22 08:57 - 09/30/22 09:27 ¹
Total Recoverable	Analysis	6020A		10	677861	FXG	EET CHI	10/04/22 14:35
Total/NA	Prep	7470A			677362	MJG	EET CHI	09/30/22 16:30 - 09/30/22 18:30 ¹
Total/NA	Analysis	7470A		1	677590	MJG	EET CHI	10/03/22 07:41
Total/NA	Analysis	SM 2540C		1	678291	SMO	EET CHI	10/06/22 13:07
Total/NA	Analysis	SM 4500 CI- E		10	677306	LP	EET CHI	09/30/22 10:00
Total/NA	Analysis	SM 4500 F C		1	677387	EAT	EET CHI	10/01/22 11:53
Total/NA	Analysis	SM 4500 SO4 E		20	677311	LP	EET CHI	09/30/22 12:30
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/29/22 09:29

Eurofins Chicago

Lab Chronicle

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: T08S

Lab Sample ID: 500-222492-17

Date Collected: 09/29/22 11:31

Matrix: Water

Date Received: 09/29/22 14:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677238	BDE	EET CHI	09/30/22 08:57 - 09/30/22 09:27 ¹
Total Recoverable	Analysis	6020A		1	677574	FXG	EET CHI	09/30/22 18:35
Total Recoverable	Prep	3005A			677238	BDE	EET CHI	09/30/22 08:57 - 09/30/22 09:27 ¹
Total Recoverable	Analysis	6020A		20	677861	FXG	EET CHI	10/04/22 14:39
Total/NA	Prep	7470A			677362	MJG	EET CHI	09/30/22 16:30 - 09/30/22 18:30 ¹
Total/NA	Analysis	7470A		1	677590	MJG	EET CHI	10/03/22 07:43
Total/NA	Analysis	SM 2540C		1	678291	SMO	EET CHI	10/06/22 13:08
Total/NA	Analysis	SM 4500 CI- E		10	677306	LP	EET CHI	09/30/22 10:00
Total/NA	Analysis	SM 4500 F C		1	677387	EAT	EET CHI	10/01/22 11:55
Total/NA	Analysis	SM 4500 SO4 E		20	677311	LP	EET CHI	09/30/22 12:31
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/29/22 11:31

Client Sample ID: T03S

Lab Sample ID: 500-222492-18

Date Collected: 09/29/22 13:37

Matrix: Water

Date Received: 09/29/22 14:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677238	BDE	EET CHI	09/30/22 08:57 - 09/30/22 09:27 ¹
Total Recoverable	Analysis	6020A		1	677574	FXG	EET CHI	09/30/22 18:38
Total Recoverable	Prep	3005A			677238	BDE	EET CHI	09/30/22 08:57 - 09/30/22 09:27 ¹
Total Recoverable	Analysis	6020A		5	677861	FXG	EET CHI	10/04/22 14:42
Total/NA	Prep	7470A			677362	MJG	EET CHI	09/30/22 16:30 - 09/30/22 18:30 ¹
Total/NA	Analysis	7470A		1	677590	MJG	EET CHI	10/03/22 07:46
Total/NA	Analysis	SM 2540C		1	678291	SMO	EET CHI	10/06/22 13:09
Total/NA	Analysis	SM 4500 CI- E		10	677306	LP	EET CHI	09/30/22 10:01
Total/NA	Analysis	SM 4500 F C		1	677387	EAT	EET CHI	10/01/22 11:58
Total/NA	Analysis	SM 4500 SO4 E		10	677311	LP	EET CHI	09/30/22 12:31
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/29/22 13:37

Client Sample ID: DUP

Lab Sample ID: 500-222492-19

Date Collected: 09/29/22 13:37

Matrix: Water

Date Received: 09/29/22 14:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			677238	BDE	EET CHI	09/30/22 08:57 - 09/30/22 09:27 ¹
Total Recoverable	Analysis	6020A		1	677574	FXG	EET CHI	09/30/22 18:42
Total Recoverable	Prep	3005A			677238	BDE	EET CHI	09/30/22 08:57 - 09/30/22 09:27 ¹
Total Recoverable	Analysis	6020A		5	677861	FXG	EET CHI	10/04/22 14:46
Total/NA	Prep	7470A			677362	MJG	EET CHI	09/30/22 16:30 - 09/30/22 18:30 ¹
Total/NA	Analysis	7470A		1	677590	MJG	EET CHI	10/03/22 07:48
Total/NA	Analysis	SM 2540C		1	678291	SMO	EET CHI	10/06/22 13:10
Total/NA	Analysis	SM 4500 CI- E		10	677306	LP	EET CHI	09/30/22 10:01
Total/NA	Analysis	SM 4500 F C		1	677387	EAT	EET CHI	10/01/22 12:07

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-1

Client Sample ID: DUP

Lab Sample ID: 500-222492-19

Date Collected: 09/29/22 13:37

Matrix: Water

Date Received: 09/29/22 14:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		20	677311	LP	EET CHI	09/30/22 12:31
Total/NA	Analysis	Field Sampling		1	675345	JVB	EET CHI	09/29/22 13:37

* Completion dates and times are reported or not reported per method requirements or individual lab discretion.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200



Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G20S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-222492-1

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/19/22 Start Purge: 0845 End Purge: 0905
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.26

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.78 (ft) pH 7.58 7.58 7.58 (std.)
Ref. Measuring Pt. TIC SC 665 661 661 (umhos/cm)
Well Elevation *580.87 (ft./msl) Temp. 21.11 21.19 21.19 (°C)
Water Level 73.94 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 506.93 (ft./msl)
Well Bottom Elevation *442.28 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, clear, slight odor
Weather Conditions: 72°F, Sunny, NE winds @ 5-10 mph
Turbidity: 2.47 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 73.94 - 2.78 = 71.16 (ft)
Levels were taken on 09/19/22 @ 0840

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: R08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-222492-2

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/19/22 Start Purge: 1245 End Purge: 1300
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.68

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.55 (ft) pH 8.39 8.47 8.47 (std.)
Ref. Measuring Pt. TIC SC 1027 1033 1033 (umhos/cm)
Well Elevation *578.66 (ft./msl) Temp. 15.11 15.57 15.57 (°C)
Water Level 67.21 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 511.45 (ft./msl)
Well Bottom Elevation *453.08 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 78°F, Fair, NE winds @ 0-5 mph
Turbidity: 0.36 NTU
Other: *Reference Measurement (Well ID updated 11-25-15)
Depth To Water from L.S. = 67.21 - 2.55 = 64.66 (ft.)
Levels were taken on 09/19/22 @ 1240.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]





Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G47S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-222492-3

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/22/22 Start Purge: 1015 End Purge: 1035
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.65

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.50 (ft) pH 9.79 9.85 9.85 (std.)
Ref. Measuring Pt. TIC SC 1810 1810 1810 (umhos/cm)
Well Elevation *612.23 (ft./msl) Temp. 14.59 14.58 14.58 (°C)
Water Level 88.85 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 523.38 (ft./msl)
Well Bottom Elevation *459.84 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 61°F, Partly Cloudy, NW windse 10-15 mph
Turbidity: 0.35 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 88.85 - 2.50 = 86.35 (ft.)
Levels were taken on 09/22/22 @ 1010

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G48S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-222492-4

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/22/22 Start Purge: 1235 End Purge: 1259
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 1.24

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.45 (ft) pH 8.08 8.14 8.14 (std.)
Ref. Measuring Pt. TIC SC 1451 1445 1445 (umhos/cm)
Well Elevation *620.77 (ft./msl) Temp. 15.17 15.13 15.13 (°C)
Water Level 104.86 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 515.91 (ft./msl)
Well Bottom Elevation *468.32 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 63°F, Partly Cloudy, N winds @ 5-10 mph
Turbidity: 0.96 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 104.86 - 2.45 = 102.41 (ft)
Levels were taken on 09/22/22 @ 1230

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G46S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-222492-5

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/26/22 Start Purge: 0855 End Purge: 0911
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.72

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.70 (ft) pH 7.29 7.31 7.31 (std.)
Ref. Measuring Pt. TIC SC 1387 1388 1388 (umhos/cm)
Well Elevation *601.41 (ft./msl) Temp. 12.89 12.94 12.94 (°C)
Water Level 96.60 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 504.81 (ft./msl)
Well Bottom Elevation *453.62 (ft./msl)

COMMENTS

Sample Appearance/Odor: Tan, Moderate Turbidity, No Odor
Weather Conditions: 54°F, Sunny, NW winds 10-15 mph
Turbidity: 34.40 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 96.60 - 2.70 = 93.90 (ft)
Levels were taken on 09/26/22 @ 0850

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G45S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-227492-6

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/26/22 Start Purge: 1020 End Purge: 1031
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.43

MEASUREMENTS

Well Diameter	<u>2.0</u>	(inches)	1st	2nd	Final																			
Stick Up	<u>2.97</u>	(ft)	pH	<u>7.14</u>	<u>7.14</u>	<u>7.14</u> (std.)																		
Ref. Measuring Pt.	<u>TIC</u>		SC	<u>1034</u>	<u>1039</u>	<u>1039</u> (umhos/cm)																		
Well Elevation	<u>*603.80</u>	(ft./msl)	Temp.	<u>13.98</u>	<u>13.99</u>	<u>13.99</u> (°C)																		
Water Level	<u>67.31</u>	(ft.)	Well Stabilization / Recharge Grid																					
Ground Water Elev.	<u>536.49</u>	(ft./msl)	<table border="1" style="width: 100%; height: 40px;"> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																					
Well Bottom Elevation	<u>*471.05</u>	(ft./msl)																						

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 59°F, Sunny, NW winds @ 10-15 mph
Turbidity: 0.29 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 67.31 - 2.97 = 64.34 (ft.)
Levels were taken on 09/26/22 @ 1015

(Updated: 07/14/2022)

Sampler Name (Print): Noc Lopez Signature: [Signature]



Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G44S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500 222492-7

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/26/22 Start Purge: 1200 End Purge: 1218
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.58

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.18 (ft) pH 6.96 7.01 7.01 (std.)
Ref. Measuring Pt. TIC SC 1101 1094 1094 (umhos/cm)
Well Elevation *586.68 (ft./msl) Temp. 13.70 14.06 14.06 (°C)
Water Level 80.24 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 506.44 (ft./msl)
Well Bottom Elevation *455.11 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 62°F, Partly Cloudy, NW winds e 10-15 mph
Turbidity: 0.86 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 80.24 - 2.18 = 78.06 (ft.)
Levels were taken on 09/26/22 @ 1155

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: R32S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-222492-8

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (N)
Sampling _____ Bladder Pump _____ Dedicated (N)

PURGING INFORMATION

Purge Date: 09/26/22 Start Purge: 1305 End Purge: 1321
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.72

MEASUREMENTS

Well Diameter	<u>2.0</u>	(inches)	1st	2nd	Final																									
Stick Up	<u>2.03</u>	(ft)	pH	<u>7.21</u>	<u>7.23</u>	<u>7.23</u> (std.)																								
Ref. Measuring Pt.	<u>TIC</u>		SC	<u>1017</u>	<u>1022</u>	<u>1022</u> (umhos/cm)																								
Well Elevation	<u>*536.97</u>	(ft./msl)	Temp.	<u>11.98</u>	<u>12.01</u>	<u>12.01</u> (°C)																								
Water Level	<u>20.17</u>	(ft.)	Well Stabilization / Recharge Grid																											
Ground Water Elev.	<u>516.80</u>	(ft./msl)	<table border="1" style="width: 100%; height: 40px;"> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																											
Well Bottom Elevation	<u>*457.84</u>	(ft./msl)																												

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 64°F, Partly Cloudy, NW winds e 10-15 mph
Turbidity: 0.66 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 20.17 - 2.03 = 18.14 (ft.)
Levels were taken on 09/26/22 @ 1300

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T09S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-222492-9

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 09/21/22 Start Purge: 0850 End Purge: 0908
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.58

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.40 (ft) pH 7.32 7.32 7.32 (std.)
Ref. Measuring Pt. TIC SC 1286 1299 1299 (umhos/cm)
Well Elevation * 603.48 (ft./msl) Temp. 10.68 10.61 10.61 (°C)
Water Level 99.31 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 504.17 (ft./msl)
Well Bottom Elevation * 444.80 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 51°F, Sunny, NW winds e 0-5 mph
Turbidity: 3.23 NTU
Other: *Reference Measurement (updated 02/19/14)
Depth To Water from L.S. = 99.31 - 2.40 = 96.91 (ft)
Levels were taken on 09/21/22 @ 0835
* Total Depth: 158.59

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]





Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T06S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-222492-10

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 09/21/22 Start Purge: 1015 End Purge: 1030
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.48

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.30 (ft) pH 7.25 7.24 7.24 (std.)
Ref. Measuring Pt. TIC SC 762 760 760 (umhos/cm)
Well Elevation * 621.05 (ft./msl) Temp. 13.18 13.18 13.18 (°C)
Water Level 114.76 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 506.29 (ft./msl)
Well Bottom Elevation * 447.94 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 57°F, Sunny, NW w/ds @ 5-10 mph
Turbidity: 0.58 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 114.76 - 2.30 = 112.46 (ft)
Levels were taken on 09/21/22 @ 1010
* Total Deth = 173.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]





Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T05S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-222492-11

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 09/27/22 Start Purge: 1130 End Purge: 1146
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.52

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.40 (ft) pH 9.24 9.25 9.25 (std.)
Ref. Measuring Pt. TIC SC 2110 2110 2110 (umhos/cm)
Well Elevation * 623.50 (ft./msl) Temp. 17.00 17.02 17.02 (°C)
Water Level 126.53 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 496.97 (ft./msl)
Well Bottom Elevation * 448.35 (ft./msl)

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 59°F, Partly Cloudy, NW winds e 10-15 mph
Turbidity: 0.68 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 126.53 - 2.40 = 124.13 (ft)
Levels were taken on 09/27/22 @ 1115
* Total Deth = 175.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]





Environment Testing
America

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G31S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-222492-12

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/21/22 Start Purge: 1313 End Purge: 1331
(2400 Hr. Clock)

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.81

MEASUREMENTS

Well Diameter	<u>2.0</u>	(inches)	1st	2nd	Final																									
Stick Up	<u>2.58</u>	(ft)	pH	<u>7.57</u>	<u>7.60</u>	<u>7.60</u> (std.)																								
Ref. Measuring Pt.	<u>TIC</u>		SC	<u>1600</u>	<u>1600</u>	<u>1600</u> (umhos/cm)																								
Well Elevation	<u>*535.73</u>	(ft./msl)	Temp.	<u>14.95</u>	<u>14.93</u>	<u>14.93</u> (°C)																								
Water Level	<u>26.75</u>	(ft.)	Well Stabilization / Recharge Grid																											
Ground Water Elev.	<u>508.98</u>	(ft./msl)	<table border="1" style="width: 100%; height: 40px;"> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																											
Well Bottom Elevation	<u>*453.36</u>	(ft./msl)																												

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 51°F, Sunny, NW winds @ 10-15 mph
Turbidity: 0.69 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 26.75 - 2.58 = 24.17 (ft.)
Levels were taken on 09/21/22 @ 1258

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]





Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T01S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-222492-13

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____

Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)

Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 09/28/22 Start Purge: 0910 End Purge: 0932
(2400 Hr. Clock)

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.28

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final

Stick Up 2.48 (ft) pH 7.70 7.71 7.71 (std.)

Ref. Measuring Pt. TIC SC 1376 1371 1371 (umhos/cm)

Well Elevation * 621.84 (ft./msl) Temp. 10.98 10.99 10.99 (°C)

Water Level 125.96 (ft.) Well Stabilization / Recharge Grid

Ground Water Elev. 495.88 (ft./msl)

Well Bottom Elevation * 451.46 (ft./msl)

COMMENTS

Sample Appearance/Odor: Tan, Moderate Turbidity, Slight Odor

Weather Conditions: 52°F, Sunny, N winds e 5-10 mph

Turbidity: 28.40 NTU

Other: *Reference Measurement

Depth To Water from L.S. = 125.96 - 2.48 = 123.48 (ft)

Levels were taken on 09/28/22 @ 0855

* Total Depth = 170.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G30S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-222492-14

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/28/22 Start Purge: 1145 End Purge: 1203
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.23

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.31 (ft) pH 7.70 7.72 7.72 (std.)
Ref. Measuring Pt. TIC SC 1790 1800 1800 (umhos/cm)
Well Elevation *524.86 (ft./msl) Temp. 12.86 12.87 12.87 (°C)
Water Level 2.59 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 522.27 (ft./msl)
Well Bottom Elevation *462.58 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 58°F, Partly Cloudy, N winds @ 5-10 mph
Turbidity: 0.61 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 2.59 - 2.31 = 0.28 (ft.)
Levels were taken on 09/28/22 @ 1140

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G33S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-222492-15

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (N)
Sampling _____ Bladder Pump _____ Dedicated (N)

PURGING INFORMATION

Purge Date: 09/28/22 Start Purge: 1245 End Purge: 1403
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.46

MEASUREMENTS

Well Diameter	<u>2.0</u>	(inches)	1st	2nd	Final																															
Stick Up	<u>1.73</u>	(ft)	pH	<u>7.30</u>	<u>7.32</u>	<u>7.32</u> (std.)																														
Ref. Measuring Pt.	<u>TIC</u>		SC	<u>703</u>	<u>697</u>	<u>697</u> (umhos/cm)																														
Well Elevation	<u>*535.67</u>	(ft./msl)	Temp.	<u>16.57</u>	<u>16.64</u>	<u>16.64</u> (°C)																														
Water Level	<u>33.51</u>	(ft.)	Well Stabilization / Recharge Grid																																	
Ground Water Elev.	<u>502.16</u>	(ft./msl)	<table border="1" style="width: 100%; height: 40px;"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																																	
Well Bottom Elevation	<u>*452.72</u>	(ft./msl)																																		

COMMENTS

Sample Appearance/Odor: Gray, Slight Turbidity, No Odor
Weather Conditions: 61°F, Fair, NE winds @ 5-10 mph
Turbidity: 15.10 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 33.51 - 1.73 = 31.78 (ft)
Levels were taken on 09/28/22 @ 1240

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T02S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-222492-16

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (Y)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (Y)

PURGING INFORMATION

Purge Date: 09/29/22 Start Purge: 0910 End Purge: 0929
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.61

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.33 (ft) pH 7.26 7.26 7.26 (std.)
Ref. Measuring Pt. TIC SC 1190 1184 1184 (umhos/cm)
Well Elevation * 626.12 (ft./msl) Temp. 12.93 12.92 12.92 (°C)
Water Level 136.70 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 489.42 (ft./msl)
Well Bottom Elevation * 453.40 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, No Odor
Weather Conditions: 52°F, Partly Cloudy, W winds @ 0-5 mph
Turbidity: 29.90 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 136.70 - 2.33 = 134.37 (ft.)
Levels were taken on 09/29/22 @ 0855.
* Total Depth = 172.75

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]





Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-222492-17

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/29/22 Start Purge: 1115 End Purge: 1131
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.44

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.38 (ft) pH 9.18 9.17 9.17 (std.)
Ref. Measuring Pt. TIC SC 1318 1324 1324 (umhos/cm)
Well Elevation * 627.55 (ft./msl) Temp. 20.18 20.18 20.18 (°C)
Water Level 130.74 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 496.81 (ft./msl)
Well Bottom Elevation * 447.38 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, Strong Odor
Weather Conditions: 58°F, Fair, E winds @ 0-5 mph
Turbidity: 6.84 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 130.74 - 2.38 = 128.36 (ft.)
Levels were taken on 09/29/22 @ 1100
* Total Deth = 180.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T03S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-222492-18

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 09/29/22 Start Purge: 1319 End Purge: 1337
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.46

MEASUREMENTS

Well Diameter <u>2.0</u> (inches)	1st	2nd	Final																				
Stick Up <u>3.08</u> (ft)	pH <u>7.00</u>	<u>7.00</u>	<u>7.00</u> (std.)																				
Ref. Measuring Pt. <u>TIC</u>	SC <u>1187</u>	<u>1180</u>	<u>1180</u> (umhos/cm)																				
Well Elevation * <u>629.85</u> (ft./msl)	Temp. <u>12.08</u>	<u>12.09</u>	<u>12.09</u> (°C)																				
Water Level <u>140.62</u> (ft.)	Well Stabilization / Recharge Grid																						
Ground Water Elev. <u>489.23</u> (ft./msl)	<table border="1" style="width: 100%; height: 40px;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>																						
Well Bottom Elevation * <u>456.70</u> (ft./msl)																							

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, No Odor
Weather Conditions: 61°F, Sunny, NW winds e 0-5 mph
Turbidity: 0.53 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 140.62 - 3.08 = 137.54 (ft)
Levels were taken on 09/29/22 @ 1314
* Total Depth = 172.95

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]





Environment Testing
America

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T03S Dup
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-222492-19

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: _____ Start Purge: _____ End Purge: _____
(2400 Hr. Clock)

Water Volume in Casing (gallons): N/A Volume Purged (gallons): _____

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 3.08 (ft) pH _____ (std.)
Ref. Measuring Pt. TIC SC _____ (umhos/cm)
Well Elevation * 629.85 (ft./msl) Temp. _____ (°C)
Water Level _____ (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. _____ (ft./msl)
Well Bottom Elevation * 456.70 (ft./msl)

COMMENTS

Sample Appearance/Odor: _____
Weather Conditions: _____
Turbidity: _____
Other: *Reference Measurement
Depth To Water from L.S. = _____
Levels were taken on _____ @ _____
* Total Depth = 172.95
X DUP of T03S
(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-222492-2

Client Project/Site: Joliet #9 (Quarry) CCR 3Q22

For:

Midwest Generation EME LLC
1800 Channahon Road
Joliet, Illinois 60436

Attn: John Niedzwiecki



Authorized for release by:
10/28/2022 1:37:26 PM

Diana Mockler, Project Manager I
(219)252-7570

Diana.Mockler@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Method Summary	5
Sample Summary	6
Client Sample Results	7
Definitions	26
QC Association	27
QC Sample Results	29
Chain of Custody	34
Receipt Checklists	48
Chronicle	53
Tracer Carrier Summary	58

Case Narrative

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Job ID: 500-222492-2

Laboratory: Eurofins Chicago

Narrative

Job Narrative 500-222492-2

Comments

No additional comments.

Receipt

The samples were received on 9/19/2022 2:10 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 0.1° C, 0.8° C, 1.4° C, 1.5° C, 1.5° C and 3.0° C.

RAD

Methods 903.0, 9315: Radium 226 Batch 160-583473:

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. G20S (500-222492-1), R08S (500-222492-2), (LCS 160-583473/2-A), (MB 160-583473/1-A) and (500-222492-C-1-B DU)

Methods 903.0, 9315: Radium 226 Batch 160-584264

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

G47S (500-222492-3), G48S (500-222492-4), (LCS 160-584264/2-A), (MB 160-584264/1-A), (240-173373-N-4-A), (240-173373-A-4-A MS) and (240-173373-A-4-B MSD)

Method 903.0: Radium-226 batch 584773

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

G46S (500-222492-5), G45S (500-222492-6), G44S (500-222492-7), R32S (500-222492-8), T09S (500-222492-9), T06S (500-222492-10), T05S (500-222492-11), G31S (500-222492-12), T01S (500-222492-13), G30S (500-222492-14), G33S (500-222492-15), T02S (500-222492-16), T08S (500-222492-17), T03S (500-222492-18), DUP (500-222492-19), (LCS 160-584773/2-A), (MB 160-584773/1-A) and (500-222492-D-5-A DU)

Method 904.0: Radium 228 Batch 160-583936:

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. T05S (500-222492-11), (LCS 160-583936/2-A), (MB 160-583936/1-A), (480-201919-C-7-A), (480-201919-C-7-B MS) and (480-201919-C-7-C MSD)

Methods 904.0, 9320: Radium-228 batch 583474

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

G20S (500-222492-1), R08S (500-222492-2), (LCS 160-583474/2-A), (MB 160-583474/1-A) and (500-222492-C-1-E DU)

Methods 904.0, 9320: Radium 228 Batch 160-584268:

The method blank (MB) has Ra-228 activity above the MDC and RL. The following associated samples are non-detect for the analyte; therefore, re-analysis is not required. The data have been reported. G47S (500-222492-3) and (240-173373-N-4-B)

Methods 904.0, 9320: Radium 228 Batch 160-584268:

The method blank (MB) has Ra-228 activity above the MDC and RL. The following associated samples exhibit concentrations greater than five (5) times the concentrations observed in the MB; therefore, re-analysis is not required. The data have been reported. (240-173373-A-4-C MS) and (240-173373-A-4-D MSD)

Case Narrative

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Job ID: 500-222492-2 (Continued)

Laboratory: Eurofins Chicago (Continued)

Methods 904.0, 9320: Radium 228 Batch 160-584268:

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. G47S (500-222492-3), (LCS 160-584268/2-A), (MB 160-584268/1-A), (240-173373-N-4-B), (240-173373-A-4-C MS) and (240-173373-A-4-D MSD)

Method 904.0: Radium 228 Batch 160-584851

The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: T01S (500-222492-13) and G33S (500-222492-15). During preparation, the analyst visually noted matrix effects. Analytical results are reported with the detection limit achieved.

Method 904.0: Radium 228 Batch 160-584851

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

G46S (500-222492-5), G45S (500-222492-6), G44S (500-222492-7), R32S (500-222492-8), T09S (500-222492-9), T06S (500-222492-10), G31S (500-222492-12), T01S (500-222492-13), G30S (500-222492-14), G33S (500-222492-15), T02S (500-222492-16), T08S (500-222492-17), T03S (500-222492-18), DUP (500-222492-19), (LCS 160-584851/2-A), (MB 160-584851/1-A) and (500-222492-D-5-B DU)

Methods 904.0, 9320: Radium-226 prep batch 160-586322:

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. G48S (500-222492-4), (LCS 160-586322/2-A), (MB 160-586322/1-A), (160-47371-A-1-D) and (160-47371-A-1-F DU)

Methods PrecSep-21, PrecSep_0: Radium-226/228 Prep Batch 160-583473/583474

The following samples were prepared at a reduced aliquot due to Matrix: G20S (500-222492-1), R08S (500-222492-2) and (500-222492-C-1 DU). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Methods PrecSep-21, PrecSep_0: Radium-226/228 Prep Batch 160-583473/583474

Insufficient sample volume was available to perform a sample duplicate for the following samples: G20S (500-222492-1), R08S (500-222492-2) and (500-222492-C-1 DU). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep_0:

Method PrecSep_0:

Method PrecSep-21:

Method PrecSep-21:

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

Method Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-222492-1	G20S	Water	09/19/22 09:05	09/19/22 14:10
500-222492-2	R08S	Water	09/19/22 13:00	09/19/22 14:10
500-222492-3	G47S	Water	09/22/22 10:35	09/22/22 14:47
500-222492-4	G48S	Water	09/22/22 12:59	09/22/22 14:47
500-222492-5	G46S	Water	09/26/22 09:11	09/26/22 14:25
500-222492-6	G45S	Water	09/26/22 10:31	09/26/22 14:25
500-222492-7	G44S	Water	09/26/22 12:18	09/26/22 14:25
500-222492-8	R32S	Water	09/26/22 13:21	09/26/22 14:25
500-222492-9	T09S	Water	09/27/22 09:08	09/27/22 14:28
500-222492-10	T06S	Water	09/27/22 10:30	09/27/22 14:28
500-222492-11	T05S	Water	09/27/22 11:46	09/27/22 14:28
500-222492-12	G31S	Water	09/27/22 13:31	09/27/22 14:28
500-222492-13	T01S	GW	09/28/22 09:32	09/28/22 15:27
500-222492-14	G30S	GW	09/28/22 12:03	09/28/22 15:27
500-222492-15	G33S	Water	09/28/22 14:03	09/28/22 15:27
500-222492-16	T02S	Water	09/29/22 09:29	09/29/22 14:58
500-222492-17	T08S	Water	09/29/22 11:31	09/29/22 14:58
500-222492-18	T03S	Water	09/29/22 13:37	09/29/22 14:58
500-222492-19	DUP	Water	09/29/22 13:37	09/29/22 14:58



Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: G20S

Lab Sample ID: 500-222492-1

Date Collected: 09/19/22 09:05

Matrix: Water

Date Received: 09/19/22 14:10

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	3.80		0.361	0.497	1.00	0.138	pCi/L	09/26/22 09:56	10/19/22 07:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.9		40 - 110					09/26/22 09:56	10/19/22 07:57	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.99		0.667	0.761	1.00	0.529	pCi/L	09/26/22 10:02	10/12/22 16:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.9		40 - 110					09/26/22 10:02	10/12/22 16:41	1
Y Carrier	75.9		40 - 110					09/26/22 10:02	10/12/22 16:41	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	7.79		0.758	0.909	5.00	0.529	pCi/L		10/28/22 13:10	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: R08S

Lab Sample ID: 500-222492-2

Date Collected: 09/19/22 13:00

Matrix: Water

Date Received: 09/19/22 14:10

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.631		0.155	0.165	1.00	0.117	pCi/L	09/26/22 09:56	10/19/22 07:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.2		40 - 110					09/26/22 09:56	10/19/22 07:57	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.00		0.398	0.409	1.00	0.506	pCi/L	09/26/22 10:02	10/12/22 16:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.2		40 - 110					09/26/22 10:02	10/12/22 16:42	1
Y Carrier	81.5		40 - 110					09/26/22 10:02	10/12/22 16:42	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.63		0.427	0.441	5.00	0.506	pCi/L		10/28/22 13:10	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: G47S

Lab Sample ID: 500-222492-3

Date Collected: 09/22/22 10:35

Matrix: Water

Date Received: 09/22/22 14:47

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.464		0.131	0.138	1.00	0.118	pCi/L	09/30/22 15:12	10/24/22 15:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		40 - 110					09/30/22 15:12	10/24/22 15:14	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.439	U	0.371	0.373	1.00	0.582	pCi/L	09/30/22 15:12	10/14/22 15:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		40 - 110					09/30/22 15:12	10/14/22 15:02	1
Y Carrier	84.1		40 - 110					09/30/22 15:12	10/14/22 15:02	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.903		0.393	0.398	5.00	0.582	pCi/L		10/28/22 13:10	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: G48S

Lab Sample ID: 500-222492-4

Date Collected: 09/22/22 12:59

Matrix: Water

Date Received: 09/22/22 14:47

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.642		0.149	0.160	1.00	0.122	pCi/L	09/30/22 15:12	10/24/22 15:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		40 - 110					09/30/22 15:12	10/24/22 15:14	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.87		0.598	0.623	1.00	0.707	pCi/L	10/18/22 09:52	10/21/22 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		40 - 110					10/18/22 09:52	10/21/22 12:11	1
Y Carrier	84.9		40 - 110					10/18/22 09:52	10/21/22 12:11	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.51		0.616	0.643	5.00	0.707	pCi/L		10/28/22 13:13	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: G46S

Lab Sample ID: 500-222492-5

Date Collected: 09/26/22 09:11

Matrix: Water

Date Received: 09/26/22 14:25

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.48		0.229	0.265	1.00	0.124	pCi/L	10/06/22 09:06	10/28/22 07:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		40 - 110					10/06/22 09:06	10/28/22 07:15	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.11		0.404	0.417	1.00	0.482	pCi/L	10/06/22 09:45	10/20/22 11:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		40 - 110					10/06/22 09:45	10/20/22 11:48	1
Y Carrier	84.1		40 - 110					10/06/22 09:45	10/20/22 11:48	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.59		0.464	0.494	5.00	0.482	pCi/L		10/28/22 13:10	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: G45S

Lab Sample ID: 500-222492-6

Date Collected: 09/26/22 10:31

Matrix: Water

Date Received: 09/26/22 14:25

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.48		0.220	0.257	1.00	0.101	pCi/L	10/06/22 09:06	10/28/22 07:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.2		40 - 110					10/06/22 09:06	10/28/22 07:15	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.15		0.420	0.434	1.00	0.531	pCi/L	10/06/22 09:45	10/20/22 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.2		40 - 110					10/06/22 09:45	10/20/22 11:49	1
Y Carrier	82.2		40 - 110					10/06/22 09:45	10/20/22 11:49	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.63		0.474	0.504	5.00	0.531	pCi/L		10/28/22 13:10	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: G44S

Lab Sample ID: 500-222492-7

Date Collected: 09/26/22 12:18

Matrix: Water

Date Received: 09/26/22 14:25

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.669		0.156	0.167	1.00	0.122	pCi/L	10/06/22 09:06	10/28/22 07:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.9		40 - 110					10/06/22 09:06	10/28/22 07:15	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.931		0.381	0.391	1.00	0.497	pCi/L	10/06/22 09:45	10/20/22 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.9		40 - 110					10/06/22 09:45	10/20/22 11:49	1
Y Carrier	83.4		40 - 110					10/06/22 09:45	10/20/22 11:49	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.60		0.412	0.425	5.00	0.497	pCi/L		10/28/22 13:10	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: R32S

Lab Sample ID: 500-222492-8

Date Collected: 09/26/22 13:21

Matrix: Water

Date Received: 09/26/22 14:25

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.30		0.221	0.250	1.00	0.160	pCi/L	10/06/22 09:06	10/28/22 07:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.2		40 - 110					10/06/22 09:06	10/28/22 07:15	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.969		0.394	0.404	1.00	0.509	pCi/L	10/06/22 09:45	10/20/22 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.2		40 - 110					10/06/22 09:45	10/20/22 11:49	1
Y Carrier	84.1		40 - 110					10/06/22 09:45	10/20/22 11:49	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.27		0.452	0.475	5.00	0.509	pCi/L		10/28/22 13:10	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: T09S

Lab Sample ID: 500-222492-9

Date Collected: 09/27/22 09:08

Matrix: Water

Date Received: 09/27/22 14:28

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.88		0.267	0.316	1.00	0.162	pCi/L	10/06/22 09:06	10/28/22 07:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		40 - 110					10/06/22 09:06	10/28/22 07:16	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.12		0.512	0.548	1.00	0.504	pCi/L	10/06/22 09:45	10/20/22 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		40 - 110					10/06/22 09:45	10/20/22 11:49	1
Y Carrier	78.5		40 - 110					10/06/22 09:45	10/20/22 11:49	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.99		0.577	0.633	5.00	0.504	pCi/L		10/28/22 13:10	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: T06S

Lab Sample ID: 500-222492-10

Date Collected: 09/27/22 10:30

Matrix: Water

Date Received: 09/27/22 14:28

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.02		0.185	0.207	1.00	0.106	pCi/L	10/06/22 09:06	10/28/22 08:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.9		40 - 110					10/06/22 09:06	10/28/22 08:56	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.517		0.325	0.328	1.00	0.472	pCi/L	10/06/22 09:45	10/20/22 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.9		40 - 110					10/06/22 09:45	10/20/22 11:49	1
Y Carrier	81.9		40 - 110					10/06/22 09:45	10/20/22 11:49	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.54		0.374	0.388	5.00	0.472	pCi/L		10/28/22 13:10	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: T05S

Lab Sample ID: 500-222492-11

Date Collected: 09/27/22 11:46

Matrix: Water

Date Received: 09/27/22 14:28

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.262		0.109	0.112	1.00	0.113	pCi/L	10/06/22 09:06	10/28/22 08:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.7		40 - 110					10/06/22 09:06	10/28/22 08:57	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.03		0.479	0.489	1.00	0.660	pCi/L	09/28/22 13:39	10/03/22 12:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.5		40 - 110					09/28/22 13:39	10/03/22 12:39	1
Y Carrier	87.9		40 - 110					09/28/22 13:39	10/03/22 12:39	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.29		0.491	0.502	5.00	0.660	pCi/L		10/28/22 13:10	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: G31S

Lab Sample ID: 500-222492-12

Date Collected: 09/27/22 13:31

Matrix: Water

Date Received: 09/27/22 14:28

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.13		0.278	0.338	1.00	0.158	pCi/L	10/06/22 09:06	10/28/22 08:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		40 - 110					10/06/22 09:06	10/28/22 08:57	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.986		0.393	0.403	1.00	0.486	pCi/L	10/06/22 09:45	10/20/22 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		40 - 110					10/06/22 09:45	10/20/22 11:49	1
Y Carrier	81.5		40 - 110					10/06/22 09:45	10/20/22 11:49	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.12		0.481	0.526	5.00	0.486	pCi/L		10/28/22 13:10	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: T01S

Lab Sample ID: 500-222492-13

Date Collected: 09/28/22 09:32

Matrix: GW

Date Received: 09/28/22 15:27

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.545		0.243	0.248	1.00	0.293	pCi/L	10/06/22 09:06	10/28/22 08:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	49.8		40 - 110					10/06/22 09:06	10/28/22 08:57	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.26	G	0.788	0.797	1.00	1.15	pCi/L	10/06/22 09:45	10/20/22 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	49.8		40 - 110					10/06/22 09:45	10/20/22 11:49	1
Y Carrier	84.1		40 - 110					10/06/22 09:45	10/20/22 11:49	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.81		0.825	0.835	5.00	1.15	pCi/L		10/28/22 13:10	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: G30S

Lab Sample ID: 500-222492-14

Date Collected: 09/28/22 12:03

Matrix: GW

Date Received: 09/28/22 15:27

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.935		0.183	0.202	1.00	0.0985	pCi/L	10/06/22 09:06	10/28/22 08:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.1		40 - 110					10/06/22 09:06	10/28/22 08:58	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.50		0.499	0.517	1.00	0.595	pCi/L	10/06/22 09:45	10/20/22 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.1		40 - 110					10/06/22 09:45	10/20/22 11:52	1
Y Carrier	81.1		40 - 110					10/06/22 09:45	10/20/22 11:52	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.43		0.531	0.555	5.00	0.595	pCi/L		10/28/22 13:10	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: G33S

Lab Sample ID: 500-222492-15

Date Collected: 09/28/22 14:03

Matrix: Water

Date Received: 09/28/22 15:27

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.627		0.227	0.233	1.00	0.222	pCi/L	10/06/22 09:06	10/28/22 08:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	52.0		40 - 110					10/06/22 09:06	10/28/22 08:58	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.89	G	0.951	0.988	1.00	1.12	pCi/L	10/06/22 09:45	10/20/22 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	52.0		40 - 110					10/06/22 09:45	10/20/22 11:52	1
Y Carrier	83.0		40 - 110					10/06/22 09:45	10/20/22 11:52	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.52		0.978	1.02	5.00	1.12	pCi/L		10/28/22 13:10	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: T02S

Lab Sample ID: 500-222492-16

Date Collected: 09/29/22 09:29

Matrix: Water

Date Received: 09/29/22 14:58

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.723		0.204	0.214	1.00	0.172	pCi/L	10/06/22 09:06	10/28/22 08:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.3		40 - 110					10/06/22 09:06	10/28/22 08:58	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.64		0.722	0.761	1.00	0.766	pCi/L	10/06/22 09:45	10/20/22 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.3		40 - 110					10/06/22 09:45	10/20/22 11:53	1
Y Carrier	84.5		40 - 110					10/06/22 09:45	10/20/22 11:53	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.36		0.750	0.791	5.00	0.766	pCi/L		10/28/22 13:10	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: T08S

Lab Sample ID: 500-222492-17

Date Collected: 09/29/22 11:31

Matrix: Water

Date Received: 09/29/22 14:58

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.310		0.108	0.112	1.00	0.0977	pCi/L	10/06/22 09:06	10/28/22 08:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		40 - 110					10/06/22 09:06	10/28/22 08:59	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.07		0.426	0.437	1.00	0.560	pCi/L	10/06/22 09:45	10/20/22 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		40 - 110					10/06/22 09:45	10/20/22 11:53	1
Y Carrier	84.5		40 - 110					10/06/22 09:45	10/20/22 11:53	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.38		0.439	0.451	5.00	0.560	pCi/L		10/28/22 13:10	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: T03S

Lab Sample ID: 500-222492-18

Date Collected: 09/29/22 13:37

Matrix: Water

Date Received: 09/29/22 14:58

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.889		0.171	0.189	1.00	0.106	pCi/L	10/06/22 09:06	10/28/22 08:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		40 - 110					10/06/22 09:06	10/28/22 08:59	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.23		0.452	0.466	1.00	0.601	pCi/L	10/06/22 09:45	10/20/22 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		40 - 110					10/06/22 09:45	10/20/22 11:53	1
Y Carrier	87.9		40 - 110					10/06/22 09:45	10/20/22 11:53	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.12		0.483	0.503	5.00	0.601	pCi/L		10/28/22 13:10	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: DUP

Lab Sample ID: 500-222492-19

Date Collected: 09/29/22 13:37

Matrix: Water

Date Received: 09/29/22 14:58

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.852		0.167	0.184	1.00	0.0857	pCi/L	10/06/22 09:06	10/28/22 08:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.9		40 - 110					10/06/22 09:06	10/28/22 08:59	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.909		0.397	0.406	1.00	0.537	pCi/L	10/06/22 09:45	10/20/22 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.9		40 - 110					10/06/22 09:45	10/20/22 11:53	1
Y Carrier	84.1		40 - 110					10/06/22 09:45	10/20/22 11:53	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.76		0.431	0.446	5.00	0.537	pCi/L		10/28/22 13:10	1

Definitions/Glossary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

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

QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Rad

Prep Batch: 583473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-1	G20S	Total/NA	Water	PrecSep-21	
500-222492-2	R08S	Total/NA	Water	PrecSep-21	
MB 160-583473/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-583473/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-222492-1 DU	G20S	Total/NA	Water	PrecSep-21	

Prep Batch: 583474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-1	G20S	Total/NA	Water	PrecSep_0	
500-222492-2	R08S	Total/NA	Water	PrecSep_0	
MB 160-583474/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-583474/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-222492-1 DU	G20S	Total/NA	Water	PrecSep_0	

Prep Batch: 583936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-11	T05S	Total/NA	Water	PrecSep_0	
MB 160-583936/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-583936/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 584264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-3	G47S	Total/NA	Water	PrecSep-21	
500-222492-4	G48S	Total/NA	Water	PrecSep-21	
MB 160-584264/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-584264/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 584268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-3	G47S	Total/NA	Water	PrecSep_0	
MB 160-584268/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-584268/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 584773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-5	G46S	Total/NA	Water	PrecSep-21	
500-222492-6	G45S	Total/NA	Water	PrecSep-21	
500-222492-7	G44S	Total/NA	Water	PrecSep-21	
500-222492-8	R32S	Total/NA	Water	PrecSep-21	
500-222492-9	T09S	Total/NA	Water	PrecSep-21	
500-222492-10	T06S	Total/NA	Water	PrecSep-21	
500-222492-11	T05S	Total/NA	Water	PrecSep-21	
500-222492-12	G31S	Total/NA	Water	PrecSep-21	
500-222492-13	T01S	Total/NA	GW	PrecSep-21	
500-222492-14	G30S	Total/NA	GW	PrecSep-21	
500-222492-15	G33S	Total/NA	Water	PrecSep-21	
500-222492-16	T02S	Total/NA	Water	PrecSep-21	
500-222492-17	T08S	Total/NA	Water	PrecSep-21	
500-222492-18	T03S	Total/NA	Water	PrecSep-21	
500-222492-19	DUP	Total/NA	Water	PrecSep-21	
MB 160-584773/1-A	Method Blank	Total/NA	Water	PrecSep-21	

Euofins Chicago

QC Association Summary

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Rad (Continued)

Prep Batch: 584773 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-584773/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-222492-5 DU	G46S	Total/NA	Water	PrecSep-21	

Prep Batch: 584851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-5	G46S	Total/NA	Water	PrecSep_0	
500-222492-6	G45S	Total/NA	Water	PrecSep_0	
500-222492-7	G44S	Total/NA	Water	PrecSep_0	
500-222492-8	R32S	Total/NA	Water	PrecSep_0	
500-222492-9	T09S	Total/NA	Water	PrecSep_0	
500-222492-10	T06S	Total/NA	Water	PrecSep_0	
500-222492-12	G31S	Total/NA	Water	PrecSep_0	
500-222492-13	T01S	Total/NA	GW	PrecSep_0	
500-222492-14	G30S	Total/NA	GW	PrecSep_0	
500-222492-15	G33S	Total/NA	Water	PrecSep_0	
500-222492-16	T02S	Total/NA	Water	PrecSep_0	
500-222492-17	T08S	Total/NA	Water	PrecSep_0	
500-222492-18	T03S	Total/NA	Water	PrecSep_0	
500-222492-19	DUP	Total/NA	Water	PrecSep_0	
MB 160-584851/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-584851/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-222492-5 DU	G46S	Total/NA	Water	PrecSep_0	

Prep Batch: 586322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-222492-4	G48S	Total/NA	Water	PrecSep_0	
MB 160-586322/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-586322/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-583473/1-A
Matrix: Water
Analysis Batch: 586476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 583473

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.05716	U	0.0669	0.0671	1.00	0.108	pCi/L	09/26/22 09:56	10/19/22 07:47	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB Qualifier	40 - 110					09/26/22 09:56	10/19/22 07:47	1
	88.2									

Lab Sample ID: LCS 160-583473/2-A
Matrix: Water
Analysis Batch: 586476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 583473

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.20		1.09	1.00	0.125	pCi/L	90	75 - 125
Carrier	LCS	LCS	Limits						
Ba Carrier	%Yield	Qualifier	40 - 110						
	92.1								

Lab Sample ID: 500-222492-1 DU
Matrix: Water
Analysis Batch: 586479

Client Sample ID: G20S
Prep Type: Total/NA
Prep Batch: 583473

Analyte	Sample		DU	DU	Total	RL	MDC	Unit	RER	RER Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	3.80		3.192		0.441	1.00	0.107	pCi/L		1
Carrier	DU	DU	Limits							
Ba Carrier	%Yield	Qualifier	40 - 110							
	88.9									

Lab Sample ID: MB 160-584264/1-A
Matrix: Water
Analysis Batch: 587140

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 584264

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.01114	U	0.0655	0.0655	1.00	0.133	pCi/L	09/30/22 15:12	10/24/22 15:10	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB Qualifier	40 - 110					09/30/22 15:12	10/24/22 15:10	1
	96.3									

Lab Sample ID: LCS 160-584264/2-A
Matrix: Water
Analysis Batch: 587140

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 584264

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	9.590		1.00	1.00	0.116	pCi/L	85	75 - 125

Euromins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-584264/2-A
Matrix: Water
Analysis Batch: 587140

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 584264

		LCS	LCS		
Carrier	%Yield	Qualifier	Limits		
Ba Carrier	98.8		40 - 110		

Lab Sample ID: MB 160-584773/1-A
Matrix: Water
Analysis Batch: 587628

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 584773

Analyte	MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-226	0.06119	U	0.0695	0.0697	1.00	0.112	pCi/L	10/06/22 09:06	10/28/22 07:15	1

		MB	MB			Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier	Limits					
Ba Carrier	93.9		40 - 110			10/06/22 09:06	10/28/22 07:15	1

Lab Sample ID: LCS 160-584773/2-A
Matrix: Water
Analysis Batch: 587628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 584773

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
									Radium-226	11.3

		LCS	LCS		
Carrier	%Yield	Qualifier	Limits		
Ba Carrier	98.0		40 - 110		

Lab Sample ID: 500-222492-5 DU
Matrix: Water
Analysis Batch: 587628

Client Sample ID: G46S
Prep Type: Total/NA
Prep Batch: 584773

Analyte	Sample		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
	Result	Qual								
Radium-226	1.48		1.523		0.277	1.00	0.135	pCi/L	0.08	1

		DU	DU		
Carrier	%Yield	Qualifier	Limits		
Ba Carrier	89.0		40 - 110		

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-583474/1-A
Matrix: Water
Analysis Batch: 585725

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 583474

Analyte	MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	0.08994	U	0.259	0.259	1.00	0.466	pCi/L	09/26/22 10:02	10/12/22 16:40	1

		MB	MB			Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier	Limits					
Ba Carrier	88.2		40 - 110			09/26/22 10:02	10/12/22 16:40	1

Euofins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-583474/1-A
Matrix: Water
Analysis Batch: 585725

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 583474

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	82.6		40 - 110	09/26/22 10:02	10/12/22 16:40	1

Lab Sample ID: LCS 160-583474/2-A
Matrix: Water
Analysis Batch: 585725

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 583474

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.20	9.181		1.26	1.00	0.504	pCi/L	112	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	92.1		40 - 110
Y Carrier	79.3		40 - 110

Lab Sample ID: 500-222492-1 DU
Matrix: Water
Analysis Batch: 585550

Client Sample ID: G20S
Prep Type: Total/NA
Prep Batch: 583474

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	3.99		4.175		0.775	1.00	0.477	pCi/L	0.12	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	88.9		40 - 110
Y Carrier	80.4		40 - 110

Lab Sample ID: MB 160-583936/1-A
Matrix: Water
Analysis Batch: 584284

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 583936

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.8800		0.340	0.349	1.00	0.408	pCi/L	09/28/22 13:39	10/03/22 12:38	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		40 - 110	09/28/22 13:39	10/03/22 12:38	1
Y Carrier	88.6		40 - 110	09/28/22 13:39	10/03/22 12:38	1

Lab Sample ID: LCS 160-583936/2-A
Matrix: Water
Analysis Batch: 584284

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 583936

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.23	9.654		1.28	1.00	0.457	pCi/L	117	75 - 125

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-583936/2-A
Matrix: Water
Analysis Batch: 584284

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 583936

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	91.9		40 - 110
Y Carrier	86.0		40 - 110

Lab Sample ID: MB 160-584268/1-A
Matrix: Water
Analysis Batch: 585945

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 584268

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	1.403		0.426	0.445	1.00	0.477	pCi/L	09/30/22 15:12	10/14/22 14:48	1

	MB	MB	Limits	Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.3		40 - 110	09/30/22 15:12	10/14/22 14:48	1
Y Carrier	82.6		40 - 110	09/30/22 15:12	10/14/22 14:48	1

Lab Sample ID: LCS 160-584268/2-A
Matrix: Water
Analysis Batch: 585945

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 584268

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-228	8.20	9.432		1.26	1.00	0.462	pCi/L	115	75 - 125

	LCS	LCS	Limits
Carrier	%Yield	Qualifier	Limits
Ba Carrier	98.8		40 - 110
Y Carrier	83.0		40 - 110

Lab Sample ID: MB 160-584851/1-A
Matrix: Water
Analysis Batch: 586658

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 584851

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	-0.1158	U	0.254	0.254	1.00	0.508	pCi/L	10/06/22 09:45	10/20/22 11:48	1

	MB	MB	Limits	Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.9		40 - 110	10/06/22 09:45	10/20/22 11:48	1
Y Carrier	81.5		40 - 110	10/06/22 09:45	10/20/22 11:48	1

Lab Sample ID: LCS 160-584851/2-A
Matrix: Water
Analysis Batch: 586658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 584851

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-228	8.52	8.935		1.19	1.00	0.400	pCi/L	105	75 - 125

Euromins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-584851/2-A
Matrix: Water
Analysis Batch: 586658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 584851

Carrier	LCS LCS		Limits
	%Yield	Qualifier	
Ba Carrier	98.0		40 - 110
Y Carrier	84.1		40 - 110

Lab Sample ID: 500-222492-5 DU
Matrix: Water
Analysis Batch: 586658

Client Sample ID: G46S
Prep Type: Total/NA
Prep Batch: 584851

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER	Limit
Radium-228	1.11		1.669		0.494	1.00	0.516	pCi/L	0.62		1

Carrier	DU DU		Limits
	%Yield	Qualifier	
Ba Carrier	89.0		40 - 110
Y Carrier	82.2		40 - 110

Lab Sample ID: MB 160-586322/1-A
Matrix: Water
Analysis Batch: 586805

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586322

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac

Carrier	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
Ba Carrier	92.6		40 - 110	10/18/22 09:52	10/21/22 12:09	1
Y Carrier	86.0		40 - 110	10/18/22 09:52	10/21/22 12:09	1

Lab Sample ID: LCS 160-586322/2-A
Matrix: Water
Analysis Batch: 586805

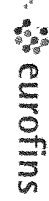
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586322

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits

Carrier	LCS LCS		Limits
	%Yield	Qualifier	
Ba Carrier	93.9		40 - 110
Y Carrier	81.9		40 - 110

Chain of Custody Record

538584




Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact Company Name: <u>Midwest Generation FME LLC</u> Address: _____ City/State/Zip: <u>Joliet, IL</u> Phone: _____ Fax: _____ Project Name: <u>Project # 9 CCK</u> Site: <u>3022 Gas + Turbid.H</u> P O #: _____		Project Manager : <u>Diana Mcker</u> Tel/Email : _____ Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below: _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact : _____ Lab Contact : _____ Date : _____ Carrier : _____ COC No. _____ of _____ COCs	
Sample Identification <u>G205</u> <u>K085</u>		Sample Date : <u>09/19/22</u> Sample Time : <u>0905</u> <u>09/19/22 1300</u>		Sample Type (C=Comp G=Grab): _____ Matrix : <u>W</u> # of Cont. : <u>5</u>	
Filtered Sample (Y/N) Perform MS/MSD (Y/N) <u>Radium 226</u> <u>Radium 228</u> <u>Combined 226/228</u> <u>Metals 14 elements + Hg</u> <u>TDS, P, Cl, SO4</u>		 500-222492 COC		Job / SDG No : <u>500-222492</u> Sampler : _____ For Lab Use Only Walk-in Client Lab Sampling : _____	
Special Instructions/QC Requirements & Comments: Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other _____ Possible Hazard Identification: _____ Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample _____ <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Custody Seals Intact : <input type="checkbox"/> Yes <input type="checkbox"/> No Relinquished by : <u>OL</u> Relinquished by : _____ Relinquished by : _____		Custody Seal No : _____ Company: <u>EETH</u> Company: _____ Company: _____		Date/Time : <u>09/19/22</u> Date/Time : _____ Date/Time : _____ Received by : <u>1410</u> Received by : _____ Received by : _____ Received in Laboratory by : <u>Amie Kroth</u> Company: <u>EETH</u> Company: _____ Company: _____	
Relinquished by : _____ Relinquished by : _____ Relinquished by : _____		Company : _____ Company : _____ Company : _____		Date/Time : _____ Date/Time : _____ Date/Time : _____ <u>9/19/22 1410</u>	

Chain of Custody Record 524019



Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

** 500-222492 COC

TAL-8210

Client Contact		Project Manager <i>Diana Muckler</i>		Site Contact		Date	
Company Name <i>Midwest Generation EME LLC</i>		Tel/Email		Lab Contact		Carrier	
Address		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) <i>Radium 226</i> <i>Radium 228</i> <i>Combined 226/228</i> <i>Metals 14 elements + Hg</i> <i>TDS, FI, CI, SO4</i>		COC # of _____ COCs	
City/State/Zip <i>Joliet, IL</i>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS				Sampler	
Phone		TAT if different from Below _____				For Lab Use Only	
Fax		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day				Walk-in Client <input type="checkbox"/>	
Project Name <i>Joliet #9 CCR</i>						Lab Sampling <input type="checkbox"/>	
Site <i>3Q22 GW + Turbidity</i>				Job / SDG No		<i>500-222492</i>	
P O #						Sample Specific Notes	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	
<i>13 TO15</i>		<i>09/28/22</i>	<i>0932</i>		<i>W</i>	<i>5</i>	
<i>14 G30S</i>		<i>09/28/22</i>	<i>1203</i>		<i>W</i>	<i>5</i>	
<i>15 G33S</i>		<i>09/28/22</i>	<i>1403</i>		<i>W</i>	<i>5</i>	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other							
Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample				<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							
Special Instructions/QC Requirements & Comments:							
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd <i>1.4</i> Corr'd <i>0.1</i>		Therm ID No	
Relinquished by <i>[Signature]</i>		Company <i>EETA</i>		Date/Time <i>09/28/22 1527</i>		Received by	
Relinquished by		Company		Date/Time		Received by	
Relinquished by		Company		Date/Time		Received in Laboratory by <i>[Signature]</i>	
						Company <i>EETA</i> Date/Time <i>9/28/22 1527</i>	



Chain of Custody Record

524020




Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact Company Name <i>Midwest Generation EPC U</i> Address _____ City/State/Zip <i>Joliet, IL</i> Phone _____ Fax _____ Project Name <i>Joliet #9 CCR</i> Site <i>3Q22 GW + Turbidity</i> P O # _____		Project Manager <i>Diana Mockler</i> Tel/Email: _____		Site Contact: _____ Lab Contact: _____		Date _____ Carrier _____		COC No _____ _____ of _____ COCs									
		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) _____ Perform MS / MSD (Y/N) _____ <i>Radium 226</i> <i>Radium 228</i> <i>Combined 226/228</i> <i>Metals 14 elements + 19</i> <i>TDS, FI, CI, SO4</i>		 500-222492 COC		Sampler _____ For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/>		Job / SDG No <i>500-222492</i>							
Sample Identification		Sample Date						Sample Time		Sample Type (C=Comp, G=Grab)		Matrix		# of Cont.		Sample Specific Notes	
<i>16</i> <i>17</i> <i>18</i> <i>19</i>		<i>T025</i>						<i>09/29/22 0929</i>		<i>E</i>		<i>5</i>		<i>1</i>			
		<i>T085</i>						<i>09/29/22 1131</i>		<i>W</i>		<i>5</i>		<i>1</i>			
		<i>T035</i>						<i>09/29/22 1337</i>		<i>W</i>		<i>5</i>		<i>1</i>			
		<i>D4P of T035</i>		<i>09/29/22 1337</i>		<i>W</i>		<i>5</i>		<i>1</i>							
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other _____						Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments:																	
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No			Custody Seal No _____			Cooler Temp (°C) Obs'd <i>19</i> Corr'd <i>19</i>			Therm ID No _____								
Relinquished by <i>ETD</i>			Company <i>ETD</i>			Date/Time <i>09/29/22 1458</i>			Received by _____								
Relinquished by _____			Company _____			Date/Time _____			Received by _____								
Relinquished by _____			Company _____			Date/Time _____			Received in Laboratory by <i>John Smith</i>								
									Company <i>ETD</i>								
									Date/Time <i>9/29/22 1458</i>								

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:	
Shipping/Receiving		Phone:	Mockler, Diana J		500-165564.1	
Company: TesAmerica Laboratories, Inc.		E-Mail: Diana.Mockler@et.eurofins.com		State of Origin:	Page: 1 of 1	
Address: 13715 Ridler Trail North,		Accreditations Required (See note):		Job #:	500-222492-2	
City: Earth City		NELAP - Illinois		Preservation Codes:		
State, Zip: MO, 63045		Due Date Requested: 10/10/2022		A - HCL M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)		
PO #: 314-298-8566(Tel) 314-298-8757(Fax)		TAT Requested (days):		Analysis Requested		
WO #: 50011504		Field Filtered Sample (Yes or No)		903.0/PreSep_21 Standard Target List		
Project #: 50011504		Perform MS/MSD (Yes or No)		904.0/PreSep_0 Standard Target List		
Site: NRG Midwest Generation LSQ Joliet #9 CCR		Matrix (W=water, S=solid, O=oil, BT=titania, A=Al)		Ra26Ra228 GFPC		
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Preservation Code:	Total Number of Containers	Special Instructions/Note:
G46S (500-222492-5)	9/26/22	09:11 Central	Water		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G45S (500-222492-6)	9/26/22	10:31 Central	Water		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G44S (500-222492-7)	9/26/22	12:18 Central	Water		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
R32S (500-222492-8)	9/26/22	13:21 Central	Water		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

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

Possible Hazard Identification
Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2

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

Special Instructions/QC Requirements: _____

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

Relinquished by: *Alvin Booth* Date/Time: 9/27/22 15:15 Company: *FEDEX*

Relinquished by: _____ Date/Time: _____ Company: _____

Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: Yes No Custody Seal No.: _____

Received by: *Autumn R. Johnson* Date/Time: SEP 28 2022 08:50 Company: *FEDEX*

Received by: _____ Date/Time: _____ Company: _____

Cooler Temperature(s) °C and Other Remarks: _____



Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Mockler, Diana J	Lab No: 500-165564.1									
Client Contact: Shipping/Receiving		E-Mail: Diana.Mockler@et.eurofins.com	Page: Page 1 of 1									
Company: TestAmerica Laboratories, Inc.		Address: 13715 Rider Trail North, Earth City State, Zip: MO, 63045	State of Origin: Illinois									
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		PO #:	Job #: 500-222492-1									
Email:		WO #:	Accreditations Required (See note): NELAP - Illinois									
Project Name: Joliet #9 (Quarry) CCR 3Q22		Project #: 50011504	Analysis Requested									
Site: NRG Midwest Generation LSQ Joliet #9 CCR		SSOW#:										
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	MATRIX (Water, Solid, Other, 817=Issue, A=Alr)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PreSep_21 Standard Target List	904.0/PreSep_0 Standard Target List	Ra226Ra228_GFPc	Total Number of Containers	Special Instructions/Note:
T09S (500-222492-9)	9/27/22	09:08 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T06S (500-222492-10)	9/27/22	10:30 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
T05S (500-222492-11)	9/27/22	11:46 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
G31S (500-222492-12)	9/27/22	13:31 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Preservation Codes:
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Nitric Acid
R - Na2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
Other:

Special Instructions/Note:
Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Possible Hazard Identification
Unconfirmed
Deliverable Requested: I, II, III, IV, Other (specify) _____
Primary Deliverable Rank: 2

Empty Kit Relinquished by: _____ Date: _____
Relinquished by: *John Smith* Date: 9/27/22
Relinquished by: **FED EX** Date: 9/27/22
Relinquished by: _____ Date: _____
Custody Seals Intact: **FED EX** Date: 9/27/22
Custody Seal No.: _____

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Return To Client Disposal By Lab Archive For _____ Months
Special Instructions/QC Requirements: _____

Method of Shipment: _____
Received by: **FED EX** Date/Time: _____
Received by: *Autumn R. Johnson* Date/Time: SEP 28 2022 0850
Received by: _____ Date/Time: _____
Cooler Temperature(s) °C and Other Remarks: _____



Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Mockler, Diana J		COC No: 500-165668-1	
Client Contact: Mockler, Diana J		E-Mail: Diana.Mockler@et.eurofins.com		Page: Page 1 of 1	
Shipping/Receiving		State of Origin: Illinois		Job #: 500-222492-1	
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH4-5 Y - Trizma Z - other (specify) Other:	
Address: 13715 Rider Trail North, Earth City, MO, 63045		Due Date Requested: 10/10/2022		Analysis Requested	
Phone: 314-298-8566 (Tel) 314-298-8757 (Fax)		TAT Requested (days):		Total Number of Containers	
Email:		PO #:		904.0/PreSep_0 Standard Target List	
WO #:		Project #: 50011504		903.0/PreSep_21 Standard Target List	
Site: NRG Midwest Generation LSQ Joliet #9 CCR		SSOW#:		Perform MS/MSD (Yes or No)	
				Field Filtered Sample (Yes or No)	
				R4226Ra228 GFPC	
				Special Instructions/Note:	
				Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
				Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
				Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
				Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	

Sample Identification - Client ID (Lab ID)

Sample ID	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Preservation Code	MATRIX (Water, Sealed, On-site, 81=issue, A=AK)
T02S (500-222492-16)	9/29/22	09:29 Central		Water	Water
T08S (500-222492-17)	9/29/22	11:31 Central		Water	Water
T03S (500-222492-18)	9/29/22	13:37 Central		Water	Water
DUP (500-222492-19)	9/29/22	13:37 Central		Water	Water

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

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) _____
 Primary Deliverable Rank: 2

Empty Kit Relinquished by: _____ Date: _____ Time: _____
 Relinquished by: *John Smith* Date: 9/29/22 Time: 1430 Company: *ETA*
 Relinquished by: **FED EX** Date/Time: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: _____ Custody Seal No.: _____
 Δ Yes Δ No

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements: _____

Method of Shipment: _____
 Date/Time: _____ Company: _____
 Date/Time: **SEP 30 2022 0938** Company: **ETA-SC**
 Date/Time: _____ Company: _____
 Received by: **Autumn R. Johnson**
 Cooler Temperature(s) °C and Other Remarks: _____

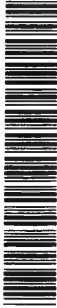




Client Information (Sub Contract Lab)		Lab PM: Mockler, Diana J	Carrier Tracking No(s): 500-165668.1																									
Client Contact: Shipping/Receiving		E-Mail: Diana.Mockler@et.eurofins.com	Page: Page 1 of 1																									
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois	Job #: 500-222492-1																									
Address: 13715 Rider Trail North, City: Earth City State, Zip: MO, 63045 Phone: 314-298-8566(Tel) 314-298-8757(Fax) Email:		State of Origin: Illinois	Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify) Other:																									
Due Date Requested: 10/10/2022 TAT Requested (days):		Analysis Requested																										
PO #:	WO #:	903.0/PreSep_21 Standard Target List	<table border="1"> <tr> <th>Perform MS/MSD (Yes or No)</th> <th>904.0/PreSep_0 Standard Target List</th> <th>Ra226Ra228_GFPc</th> <th>Total Number of Containers</th> <th>Special Instructions/Note:</th> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>3</td> <td>Batch QC must be performed (dup. spikes, etc) - no NCMS concerning limited volume;</td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>3</td> <td>Batch QC must be performed (dup. spikes, etc) - no NCMS concerning limited volume;</td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>3</td> <td>Batch QC must be performed (dup. spikes, etc) - no NCMS concerning limited volume;</td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>3</td> <td>Batch QC must be performed (dup. spikes, etc) - no NCMS concerning limited volume;</td> </tr> </table>	Perform MS/MSD (Yes or No)	904.0/PreSep_0 Standard Target List	Ra226Ra228_GFPc	Total Number of Containers	Special Instructions/Note:	X	X	X	3	Batch QC must be performed (dup. spikes, etc) - no NCMS concerning limited volume;	X	X	X	3	Batch QC must be performed (dup. spikes, etc) - no NCMS concerning limited volume;	X	X	X	3	Batch QC must be performed (dup. spikes, etc) - no NCMS concerning limited volume;	X	X	X	3	Batch QC must be performed (dup. spikes, etc) - no NCMS concerning limited volume;
Perform MS/MSD (Yes or No)	904.0/PreSep_0 Standard Target List	Ra226Ra228_GFPc		Total Number of Containers	Special Instructions/Note:																							
X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMS concerning limited volume;																							
X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMS concerning limited volume;																							
X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMS concerning limited volume;																							
X	X	X	3	Batch QC must be performed (dup. spikes, etc) - no NCMS concerning limited volume;																								
Project #: 50011504	SSOW#:	Field Filtered Sample (Yes or No)																										
Site: NRG Midwest Generation LSQ Joliet #9 CCR	Sample Date	Sample Type (C=comp, T=...																										
Sample Identification - Client ID (Lab ID)	Sample	Matrix (W=water, S=solid, O=other soil, BT=issue)																										
T02S (500-222492-16)																												
T08S (500-222492-17)																												
T03S (500-222492-18)																												
DUP (500-222492-19)																												
Note: Since laboratory accreditations are subject to change, Eurofins maintain accreditation in the State of Origin listed above for attention immediately. If all requested accreditations are current		upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for attention immediately. If all requested accreditations are current is Chicago.																										
Possible Hazard Identification Unconfirmed		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																										
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:																										
Empty Kit Relinquished by:		Method of Shipment:																										
Relinquished by: <i>Ami</i>		Date/Time: <i>9/29/22 1630</i>																										
Relinquished by: FED EX		Received by: <i>Autumn R. Johnson</i>																										
Relinquished by: FED EX		Date/Time: <i>SEP 30 2022 0938</i>																										
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Received by: Autumn R. Johnson																										
Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:																										



Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Mockler, Diana J	Camera Tracking No(s): 500-165665.1
Shipping/Receiving		E-Mail: Diana.Mockler@et.eurofins.com	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois	
Address: 13715 Rider Trail North, City: Earth City State, Zip: MO, 63045 Phone: 314-298-8566(Tel) 314-298-8757(Fax) Email:		Job #: 500-222492-1	
Project Name: Joliet #9 (Quarry) CCR 3Q22 Site: NRG Midwest Generation LSQ Joliet #9 CCR		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Due Date Requested: 10/10/2022 TAT Requested (days):		Analysis Requested	
PO #:	WO #:	Perform MS/MSD (Yes or No)	Total Number of Containers
Project #: 50011504	SSOW#:	903.0/PreSep_21 Standard Target List	
Sample Date		Field Filtered Sample (Yes or No)	
Sample Time	Sample Type (C=comp, G=grab)	904.0/PreSep_0 Standard Target List	
9/28/22	09:32 Central	X	
9/28/22	12:03 Central	X	
9/28/22	14:03 Central	X	
Sample Identification - Client ID (Lab ID)		Preservation Code:	Special Instructions/Note:
T01S (500-222492-13)	Water		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
G30S (500-222492-14)	Water		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
G33S (500-222492-15)	Water		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.

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

Possible Hazard Identification

Unconfirmed
Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2
Special Instructions/QC Requirements: _____

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

Empty Kit Relinquished by: _____ Date: _____ Time: _____
 Relinquished by: *[Signature]* Date: 9/29/22 1530 Company: *[Signature]*
 Relinquished by: **FED EX** Date/Time: SEP 30 2022 0938 Company: EA STC
 Relinquished by: _____ Date/Time: _____ Company: _____
 Custody Seals Intact: _____ Custody Seal No.: _____
 Cooler Temperature(s) °C and Other Remarks: _____



Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-222492-2

Login Number: 222492

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5,1.5,3.0,0.8,0.1,1.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-222492-2

Login Number: 222492

List Number: 2

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 09/20/22 01:03 PM

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



Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-222492-2

Login Number: 222492

List Number: 3

Creator: Booker, Autumn R

List Source: Eurofins St. Louis

List Creation: 09/26/22 12:07 PM

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



Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-222492-2

Login Number: 222492

List Number: 4

Creator: Booker, Autumn R

List Source: Eurofins St. Louis

List Creation: 09/28/22 10:33 AM

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-222492-2

Login Number: 222492

List Number: 5

Creator: Booker, Autumn R

List Source: Eurofins St. Louis

List Creation: 09/30/22 11:12 AM

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



Lab Chronicle

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: G20S

Date Collected: 09/19/22 09:05

Date Received: 09/19/22 14:10

Lab Sample ID: 500-222492-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			583473	ASG	EET SL	09/26/22 09:56
Total/NA	Analysis	903.0		1	586479	CLP	EET SL	10/19/22 07:57
Total/NA	Prep	PrecSep_0			583474	ASG	EET SL	09/26/22 10:02
Total/NA	Analysis	904.0		1	585550	FLC	EET SL	10/12/22 16:41
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:10

Client Sample ID: R08S

Date Collected: 09/19/22 13:00

Date Received: 09/19/22 14:10

Lab Sample ID: 500-222492-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			583473	ASG	EET SL	09/26/22 09:56
Total/NA	Analysis	903.0		1	586479	CLP	EET SL	10/19/22 07:57
Total/NA	Prep	PrecSep_0			583474	ASG	EET SL	09/26/22 10:02
Total/NA	Analysis	904.0		1	585550	FLC	EET SL	10/12/22 16:42
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:10

Client Sample ID: G47S

Date Collected: 09/22/22 10:35

Date Received: 09/22/22 14:47

Lab Sample ID: 500-222492-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			584264	MLK	EET SL	09/30/22 15:12
Total/NA	Analysis	903.0		1	587141	CLP	EET SL	10/24/22 15:14
Total/NA	Prep	PrecSep_0			584268	MLK	EET SL	09/30/22 15:12
Total/NA	Analysis	904.0		1	585928	JCB	EET SL	10/14/22 15:02
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:10

Client Sample ID: G48S

Date Collected: 09/22/22 12:59

Date Received: 09/22/22 14:47

Lab Sample ID: 500-222492-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			584264	MLK	EET SL	09/30/22 15:12
Total/NA	Analysis	903.0		1	587141	CLP	EET SL	10/24/22 15:14
Total/NA	Prep	PrecSep_0			586322	BMP	EET SL	10/18/22 09:52
Total/NA	Analysis	904.0		1	586805	EMH	EET SL	10/21/22 12:11
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:13

Lab Chronicle

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: G46S

Lab Sample ID: 500-222492-5

Date Collected: 09/26/22 09:11

Matrix: Water

Date Received: 09/26/22 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			584773	BMP	EET SL	10/06/22 09:06
Total/NA	Analysis	903.0		1	587628	FLC	EET SL	10/28/22 07:15
Total/NA	Prep	PrecSep_0			584851	BMP	EET SL	10/06/22 09:45
Total/NA	Analysis	904.0		1	586658	CLP	EET SL	10/20/22 11:48
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:10

Client Sample ID: G45S

Lab Sample ID: 500-222492-6

Date Collected: 09/26/22 10:31

Matrix: Water

Date Received: 09/26/22 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			584773	BMP	EET SL	10/06/22 09:06
Total/NA	Analysis	903.0		1	587628	FLC	EET SL	10/28/22 07:15
Total/NA	Prep	PrecSep_0			584851	BMP	EET SL	10/06/22 09:45
Total/NA	Analysis	904.0		1	586658	CLP	EET SL	10/20/22 11:49
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:10

Client Sample ID: G44S

Lab Sample ID: 500-222492-7

Date Collected: 09/26/22 12:18

Matrix: Water

Date Received: 09/26/22 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			584773	BMP	EET SL	10/06/22 09:06
Total/NA	Analysis	903.0		1	587628	FLC	EET SL	10/28/22 07:15
Total/NA	Prep	PrecSep_0			584851	BMP	EET SL	10/06/22 09:45
Total/NA	Analysis	904.0		1	586658	CLP	EET SL	10/20/22 11:49
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:10

Client Sample ID: R32S

Lab Sample ID: 500-222492-8

Date Collected: 09/26/22 13:21

Matrix: Water

Date Received: 09/26/22 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			584773	BMP	EET SL	10/06/22 09:06
Total/NA	Analysis	903.0		1	587628	FLC	EET SL	10/28/22 07:15
Total/NA	Prep	PrecSep_0			584851	BMP	EET SL	10/06/22 09:45
Total/NA	Analysis	904.0		1	586658	CLP	EET SL	10/20/22 11:49
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:10

Lab Chronicle

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: T09S

Lab Sample ID: 500-222492-9

Date Collected: 09/27/22 09:08

Matrix: Water

Date Received: 09/27/22 14:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			584773	BMP	EET SL	10/06/22 09:06
Total/NA	Analysis	903.0		1	587628	FLC	EET SL	10/28/22 07:16
Total/NA	Prep	PrecSep_0			584851	BMP	EET SL	10/06/22 09:45
Total/NA	Analysis	904.0		1	586658	CLP	EET SL	10/20/22 11:49
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:10

Client Sample ID: T06S

Lab Sample ID: 500-222492-10

Date Collected: 09/27/22 10:30

Matrix: Water

Date Received: 09/27/22 14:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			584773	BMP	EET SL	10/06/22 09:06
Total/NA	Analysis	903.0		1	587626	FLC	EET SL	10/28/22 08:56
Total/NA	Prep	PrecSep_0			584851	BMP	EET SL	10/06/22 09:45
Total/NA	Analysis	904.0		1	586658	CLP	EET SL	10/20/22 11:49
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:10

Client Sample ID: T05S

Lab Sample ID: 500-222492-11

Date Collected: 09/27/22 11:46

Matrix: Water

Date Received: 09/27/22 14:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			584773	BMP	EET SL	10/06/22 09:06
Total/NA	Analysis	903.0		1	587626	FLC	EET SL	10/28/22 08:57
Total/NA	Prep	PrecSep_0			583936	MLK	EET SL	09/28/22 13:39
Total/NA	Analysis	904.0		1	584284	CLP	EET SL	10/03/22 12:39
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:10

Client Sample ID: G31S

Lab Sample ID: 500-222492-12

Date Collected: 09/27/22 13:31

Matrix: Water

Date Received: 09/27/22 14:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			584773	BMP	EET SL	10/06/22 09:06
Total/NA	Analysis	903.0		1	587626	FLC	EET SL	10/28/22 08:57
Total/NA	Prep	PrecSep_0			584851	BMP	EET SL	10/06/22 09:45
Total/NA	Analysis	904.0		1	586658	CLP	EET SL	10/20/22 11:49
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:10

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: T01S

Date Collected: 09/28/22 09:32

Date Received: 09/28/22 15:27

Lab Sample ID: 500-222492-13

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			584773	BMP	EET SL	10/06/22 09:06
Total/NA	Analysis	903.0		1	587626	FLC	EET SL	10/28/22 08:57
Total/NA	Prep	PrecSep_0			584851	BMP	EET SL	10/06/22 09:45
Total/NA	Analysis	904.0		1	586658	CLP	EET SL	10/20/22 11:49
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:10

Client Sample ID: G30S

Date Collected: 09/28/22 12:03

Date Received: 09/28/22 15:27

Lab Sample ID: 500-222492-14

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			584773	BMP	EET SL	10/06/22 09:06
Total/NA	Analysis	903.0		1	587626	FLC	EET SL	10/28/22 08:58
Total/NA	Prep	PrecSep_0			584851	BMP	EET SL	10/06/22 09:45
Total/NA	Analysis	904.0		1	586614	CLP	EET SL	10/20/22 11:52
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:10

Client Sample ID: G33S

Date Collected: 09/28/22 14:03

Date Received: 09/28/22 15:27

Lab Sample ID: 500-222492-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			584773	BMP	EET SL	10/06/22 09:06
Total/NA	Analysis	903.0		1	587626	FLC	EET SL	10/28/22 08:58
Total/NA	Prep	PrecSep_0			584851	BMP	EET SL	10/06/22 09:45
Total/NA	Analysis	904.0		1	586614	CLP	EET SL	10/20/22 11:52
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:10

Client Sample ID: T02S

Date Collected: 09/29/22 09:29

Date Received: 09/29/22 14:58

Lab Sample ID: 500-222492-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			584773	BMP	EET SL	10/06/22 09:06
Total/NA	Analysis	903.0		1	587626	FLC	EET SL	10/28/22 08:58
Total/NA	Prep	PrecSep_0			584851	BMP	EET SL	10/06/22 09:45
Total/NA	Analysis	904.0		1	586614	CLP	EET SL	10/20/22 11:53
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:10

Lab Chronicle

Client: Midwest Generation EME LLC
 Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Client Sample ID: T08S

Lab Sample ID: 500-222492-17

Date Collected: 09/29/22 11:31

Matrix: Water

Date Received: 09/29/22 14:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			584773	BMP	EET SL	10/06/22 09:06
Total/NA	Analysis	903.0		1	587626	FLC	EET SL	10/28/22 08:59
Total/NA	Prep	PrecSep_0			584851	BMP	EET SL	10/06/22 09:45
Total/NA	Analysis	904.0		1	586614	CLP	EET SL	10/20/22 11:53
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:10

Client Sample ID: T03S

Lab Sample ID: 500-222492-18

Date Collected: 09/29/22 13:37

Matrix: Water

Date Received: 09/29/22 14:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			584773	BMP	EET SL	10/06/22 09:06
Total/NA	Analysis	903.0		1	587626	FLC	EET SL	10/28/22 08:59
Total/NA	Prep	PrecSep_0			584851	BMP	EET SL	10/06/22 09:45
Total/NA	Analysis	904.0		1	586614	CLP	EET SL	10/20/22 11:53
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:10

Client Sample ID: DUP

Lab Sample ID: 500-222492-19

Date Collected: 09/29/22 13:37

Matrix: Water

Date Received: 09/29/22 14:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			584773	BMP	EET SL	10/06/22 09:06
Total/NA	Analysis	903.0		1	587626	FLC	EET SL	10/28/22 08:59
Total/NA	Prep	PrecSep_0			584851	BMP	EET SL	10/06/22 09:45
Total/NA	Analysis	904.0		1	586614	CLP	EET SL	10/20/22 11:53
Total/NA	Analysis	Ra226_Ra228		1	587668	EMH	EET SL	10/28/22 13:10

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Tracer/Carrier Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q22

Job ID: 500-222492-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: GW

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (40-110)	
500-222492-13	T01S	49.8	
500-222492-14	G30S	80.1	

Tracer/Carrier Legend
Ba = Ba Carrier

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (40-110)	
500-222492-1	G20S	93.9	
500-222492-1 DU	G20S	88.9	
500-222492-2	R08S	91.2	
500-222492-3	G47S	91.6	
500-222492-4	G48S	93.1	
500-222492-5	G46S	84.3	
500-222492-5 DU	G46S	89.0	
500-222492-6	G45S	91.2	
500-222492-7	G44S	92.9	
500-222492-8	R32S	89.2	
500-222492-9	T09S	89.7	
500-222492-10	T06S	91.9	
500-222492-11	T05S	77.7	
500-222492-12	G31S	84.3	
500-222492-15	G33S	52.0	
500-222492-16	T02S	74.3	
500-222492-17	T08S	89.7	
500-222492-18	T03S	94.9	
500-222492-19	DUP	93.9	
LCS 160-583473/2-A	Lab Control Sample	92.1	
LCS 160-584264/2-A	Lab Control Sample	98.8	
LCS 160-584773/2-A	Lab Control Sample	98.0	
MB 160-583473/1-A	Method Blank	88.2	
MB 160-584264/1-A	Method Blank	96.3	
MB 160-584773/1-A	Method Blank	93.9	

Tracer/Carrier Legend
Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: GW

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (40-110)	Y (40-110)
500-222492-13	T01S	49.8	84.1
500-222492-14	G30S	80.1	81.1

Tracer/Carrier Legend
Ba = Ba Carrier

Eurofins Chicago

Tracer/Carrier Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 3Q22
Y = Y Carrier

Job ID: 500-222492-2

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (40-110)	Y (40-110)
500-222492-1	G20S	93.9	75.9
500-222492-1 DU	G20S	88.9	80.4
500-222492-2	R08S	91.2	81.5
500-222492-3	G47S	91.6	84.1
500-222492-4	G48S	89.0	84.9
500-222492-5	G46S	84.3	84.1
500-222492-5 DU	G46S	89.0	82.2
500-222492-6	G45S	91.2	82.2
500-222492-7	G44S	92.9	83.4
500-222492-8	R32S	89.2	84.1
500-222492-9	T09S	89.7	78.5
500-222492-10	T06S	91.9	81.9
500-222492-11	T05S	72.5	87.9
500-222492-12	G31S	84.3	81.5
500-222492-15	G33S	52.0	83.0
500-222492-16	T02S	74.3	84.5
500-222492-17	T08S	89.7	84.5
500-222492-18	T03S	94.9	87.9
500-222492-19	DUP	93.9	84.1
LCS 160-583474/2-A	Lab Control Sample	92.1	79.3
LCS 160-583936/2-A	Lab Control Sample	91.9	86.0
LCS 160-584268/2-A	Lab Control Sample	98.8	83.0
LCS 160-584851/2-A	Lab Control Sample	98.0	84.1
LCS 160-586322/2-A	Lab Control Sample	93.9	81.9
MB 160-583474/1-A	Method Blank	88.2	82.6
MB 160-583936/1-A	Method Blank	90.9	88.6
MB 160-584268/1-A	Method Blank	96.3	82.6
MB 160-584851/1-A	Method Blank	93.9	81.5
MB 160-586322/1-A	Method Blank	92.6	86.0

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier