

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 2021 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 as they will be calculated and proposed as part of the Operating Permit submittals due by October 31, 2021. Upon Illinois Environmental Protection Agency approval of the Operating Permit, the approved comparison values will be included 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
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
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
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
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
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
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
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
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
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

ANALYTICAL REPORT

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

Laboratory Job ID: 500-205255-1
Client Project/Site: Joliet #9 (Quarry) CCR 3Q21
Revision: 1

For:
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 1A
Brookfield, Wisconsin 53005

Attn: Richard Gnat



Authorized for release by:
11/24/2021 9:09:23 AM

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

LINKS

Review your project
results through
TotalAccess

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	26
QC Association	27
QC Sample Results	36
Chain of Custody	53
Receipt Checklists	61
Chronicle	62

Case Narrative

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Job ID: 500-205255-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-205255-1

Comments

No additional comments.

Revision

The report being provided is a revision of the original report sent on 10/20/2021. The report (revision 1) is being revised due to: For samples 500-205255-16 thru 500-205255-20, method 6010 for lithium analysis was inadvertently not logged in on samples. Lithium will be reported by method 6020.

Receipt

The samples were received on 9/15/2021 3:42 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 1.1° C, 2.1° C, 2.4° C, 4.1° C, 4.4° C and 5.2° C.

Receipt Exceptions

For samples 500-205255-16 thru 500-205255-20, method 6010 for lithium analysis was inadvertently not logged in on samples. Lithium will be reported by method 6020

Method 6010 for lithium was not logged in for samples 500-205255-16 thru -20, reporting by method 6020

Method 6010 for lithium analysis was not logged in for samples 500-205255-16 thru -20, reporting lithium by method 6020

Metals

Method 6020A: The initial low level continuing calibration verification (ICVL) associated with batch 500-620228 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 500-620424. This was due to the internal standard Bismuth being outside of acceptance limits.

Method 6020A: The internal standard Terbium (Tb) was used to report the elements Lead and Thallium in batch 500-621086. This was due to the LCS being spiked with the trace digestion spike which contains Bismuth.

Method 6020A: The continuing calibration verification (CCV) associated with batch 500-621086 recovered above the upper control limit for Beryllium. The samples associated with this CCV 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

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

Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL CHI
SM 4500 Cl- E	Chloride, Total	SM	TAL CHI
SM 4500 F C	Fluoride	SM	TAL CHI
SM 4500 SO4 E	Sulfate, Total	SM	TAL CHI
Field Sampling	Field Sampling	EPA	TAL CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL CHI
7470A	Preparation, Mercury	SW846	TAL 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:

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

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-205255-1	T02S	Water	09/15/21 10:29	09/15/21 15:42
500-205255-2	T08S	Water	09/15/21 11:57	09/15/21 15:42
500-205255-3	T09S	Water	09/15/21 14:06	09/15/21 15:42
500-205255-4	T06S	Water	09/20/21 10:00	09/20/21 14:52
500-205255-5	T05S	Water	09/20/21 11:44	09/20/21 14:52
500-205255-6	T03S	Water	09/20/21 13:52	09/20/21 14:52
500-205255-7	G48S	GW	09/22/21 09:55	09/22/21 15:27
500-205255-8	G47S	GW	09/22/21 12:47	09/22/21 15:27
500-205255-9	G33S	Water	09/22/21 14:15	09/22/21 15:27
500-205255-10	G20S	Water	09/23/21 09:45	09/23/21 13:50
500-205255-11	G45S	Water	09/23/21 12:49	09/23/21 13:50
500-205255-12	T01S	Water	09/24/21 10:33	09/24/21 14:02
500-205255-14	G30S	Water	09/24/21 12:23	09/24/21 14:02
500-205255-15	T04S	Water	09/24/21 13:15	09/24/21 14:02
500-205255-16	G46S	Water	09/27/21 09:04	09/27/21 14:10
500-205255-17	G44S	Water	09/27/21 10:16	09/27/21 14:10
500-205255-18	R08S	GW	09/27/21 11:05	09/27/21 14:10
500-205255-19	G31S	Water	09/27/21 12:58	09/27/21 14:10
500-205255-20	DUP	Water	09/27/21 12:58	09/27/21 14:10
500-205255-21	R32S	Water	09/30/21 09:09	09/30/21 10:15

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: T02S

Lab Sample ID: 500-205255-1

Date Collected: 09/15/21 10:29

Matrix: Water

Date Received: 09/15/21 15:42

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.039		0.010		mg/L		09/23/21 08:26	09/27/21 12:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/23/21 08:26	09/24/21 12:58	1
Arsenic	0.0089		0.0010		mg/L		09/23/21 08:26	09/24/21 12:58	1
Barium	0.071	V	0.0025		mg/L		09/23/21 08:26	09/24/21 12:58	1
Beryllium	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 12:58	1
Boron	5.0		1.0		mg/L		09/23/21 08:26	09/27/21 12:12	20
Cadmium	<0.00050		0.00050		mg/L		09/23/21 08:26	09/24/21 12:58	1
Calcium	63		0.20		mg/L		09/23/21 08:26	09/24/21 12:58	1
Chromium	<0.0050		0.0050		mg/L		09/23/21 08:26	09/24/21 12:58	1
Cobalt	0.0022		0.0010		mg/L		09/23/21 08:26	09/24/21 12:58	1
Lead	0.0016		0.00050		mg/L		09/23/21 08:26	09/24/21 12:58	1
Molybdenum	0.48		0.0050		mg/L		09/23/21 08:26	09/24/21 12:58	1
Selenium	<0.0025		0.0025		mg/L		09/23/21 08:26	09/24/21 12:58	1
Thallium	<0.0020		0.0020		mg/L		09/23/21 08:26	09/24/21 12:58	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/17/21 10:05	09/20/21 08:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	910		10		mg/L			09/16/21 04:32	1
Chloride	98		10		mg/L			09/22/21 17:47	5
Fluoride	0.44		0.10		mg/L			09/23/21 12:16	1
Sulfate	360		50		mg/L			09/22/21 19:07	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	132.89				ft			09/15/21 10:29	1
Depth to Water (ft from MP)	135.22				ft			09/15/21 10:29	1
Elevation of well (ft from MP)	626.12				ft			09/15/21 10:29	1
Field pH	7.78				SU			09/15/21 10:29	1
Field Temperature	63.1				Degrees F			09/15/21 10:29	1
Ground Water Elevation	490.90				ft			09/15/21 10:29	1
Specific Conductance	1285				umhos/cm			09/15/21 10:29	1
Well bottom elevation	453.40				ft			09/15/21 10:29	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: T08S

Lab Sample ID: 500-205255-2

Date Collected: 09/15/21 11:57

Matrix: Water

Date Received: 09/15/21 15:42

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.040		0.010		mg/L		09/23/21 08:26	09/27/21 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/23/21 08:26	09/24/21 13:15	1
Arsenic	0.017		0.0010		mg/L		09/23/21 08:26	09/24/21 13:15	1
Barium	0.038		0.0025		mg/L		09/23/21 08:26	09/24/21 13:15	1
Beryllium	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 13:15	1
Boron	8.1		1.0		mg/L		09/23/21 08:26	09/27/21 12:29	20
Cadmium	<0.00050		0.00050		mg/L		09/23/21 08:26	09/24/21 13:15	1
Calcium	29		0.20		mg/L		09/23/21 08:26	09/24/21 13:15	1
Chromium	<0.0050		0.0050		mg/L		09/23/21 08:26	09/24/21 13:15	1
Cobalt	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 13:15	1
Lead	<0.00050		0.00050		mg/L		09/23/21 08:26	09/24/21 13:15	1
Molybdenum	0.84		0.0050		mg/L		09/23/21 08:26	09/24/21 13:15	1
Selenium	<0.0025		0.0025		mg/L		09/23/21 08:26	09/24/21 13:15	1
Thallium	<0.0020		0.0020		mg/L		09/23/21 08:26	09/24/21 13:15	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/17/21 10:05	09/20/21 08:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	850		10		mg/L			09/16/21 04:35	1
Chloride	93		10		mg/L			09/22/21 18:04	5
Fluoride	0.66		0.10		mg/L			09/23/21 12:25	1
Sulfate	490		50		mg/L			09/22/21 19:07	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	128.20				ft			09/15/21 11:57	1
Depth to Water (ft from MP)	130.58				ft			09/15/21 11:57	1
Elevation of well (ft from MP)	627.50				ft			09/15/21 11:57	1
Field pH	8.74				SU			09/15/21 11:57	1
Field Temperature	65.7				Degrees F			09/15/21 11:57	1
Ground Water Elevation	496.92				ft			09/15/21 11:57	1
Specific Conductance	1476				umhos/cm			09/15/21 11:57	1
Well bottom elevation	447.38				ft			09/15/21 11:57	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: T09S

Lab Sample ID: 500-205255-3

Date Collected: 09/15/21 14:06

Matrix: Water

Date Received: 09/15/21 15:42

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.12		0.010		mg/L		09/23/21 08:26	09/27/21 13:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/23/21 08:26	09/24/21 13:19	1
Arsenic	0.0028		0.0010		mg/L		09/23/21 08:26	09/24/21 13:19	1
Barium	0.070		0.0025		mg/L		09/23/21 08:26	09/24/21 13:19	1
Beryllium	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 13:19	1
Boron	8.9		1.0		mg/L		09/23/21 08:26	09/27/21 12:32	20
Cadmium	<0.00050		0.00050		mg/L		09/23/21 08:26	09/24/21 13:19	1
Calcium	130		0.20		mg/L		09/23/21 08:26	09/24/21 13:19	1
Chromium	<0.0050		0.0050		mg/L		09/23/21 08:26	09/24/21 13:19	1
Cobalt	0.0012		0.0010		mg/L		09/23/21 08:26	09/24/21 13:19	1
Lead	0.00078		0.00050		mg/L		09/23/21 08:26	09/24/21 13:19	1
Molybdenum	1.8		0.0050		mg/L		09/23/21 08:26	09/24/21 13:19	1
Selenium	<0.0025		0.0025		mg/L		09/23/21 08:26	09/24/21 13:19	1
Thallium	<0.0020		0.0020		mg/L		09/23/21 08:26	09/24/21 13:19	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/17/21 10:05	09/20/21 08:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1000		10		mg/L			09/16/21 04:38	1
Chloride	66		10		mg/L			09/22/21 18:04	5
Fluoride	0.36		0.10		mg/L			09/23/21 12:28	1
Sulfate	620		100		mg/L			09/22/21 19:07	20

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	98.72				ft			09/15/21 14:06	1
Depth to Water (ft from MP)	101.12				ft			09/15/21 14:06	1
Elevation of well (ft from MP)	603.69				ft			09/15/21 14:06	1
Field pH	7.65				SU			09/15/21 14:06	1
Field Temperature	59.7				Degrees F			09/15/21 14:06	1
Ground Water Elevation	502.57				ft			09/15/21 14:06	1
Specific Conductance	1510				umhos/cm			09/15/21 14:06	1
Well bottom elevation	444.80				ft			09/15/21 14:06	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: T06S
Date Collected: 09/20/21 10:00
Date Received: 09/20/21 14:52

Lab Sample ID: 500-205255-4
Matrix: Water

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.030		0.010		mg/L		09/23/21 08:26	09/27/21 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0032		0.0030		mg/L		09/23/21 08:26	09/24/21 13:22	1
Arsenic	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 13:22	1
Barium	0.035		0.0025		mg/L		09/23/21 08:26	09/24/21 13:22	1
Beryllium	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 13:22	1
Boron	0.83		0.25		mg/L		09/23/21 08:26	09/27/21 12:36	5
Cadmium	<0.00050		0.00050		mg/L		09/23/21 08:26	09/24/21 13:22	1
Calcium	86		0.20		mg/L		09/23/21 08:26	09/24/21 13:22	1
Chromium	<0.0050		0.0050		mg/L		09/23/21 08:26	09/24/21 13:22	1
Cobalt	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 13:22	1
Lead	<0.00050		0.00050		mg/L		09/23/21 08:26	09/24/21 13:22	1
Molybdenum	0.011		0.0050		mg/L		09/23/21 08:26	09/24/21 13:22	1
Selenium	<0.0025		0.0025		mg/L		09/23/21 08:26	09/24/21 13:22	1
Thallium	<0.0020		0.0020		mg/L		09/23/21 08:26	09/24/21 13:22	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/21/21 09:45	09/22/21 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	380		10		mg/L			09/24/21 07:36	1
Chloride	11		2.0		mg/L			09/22/21 18:04	1
Fluoride	0.39		0.10		mg/L			09/23/21 12:31	1
Sulfate	100		25		mg/L			09/22/21 19:08	5

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	114.61				ft			09/20/21 10:00	1
Depth to Water (ft from MP)	116.91				ft			09/20/21 10:00	1
Elevation of well (ft from MP)	620.99				ft			09/20/21 10:00	1
Field pH	7.97				SU			09/20/21 10:00	1
Field Temperature	69.1				Degrees F			09/20/21 10:00	1
Ground Water Elevation	504.08				ft			09/20/21 10:00	1
Specific Conductance	746				umhos/cm			09/20/21 10:00	1
Well bottom elevation	447.94				ft			09/20/21 10:00	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: T05S

Lab Sample ID: 500-205255-5

Date Collected: 09/20/21 11:44

Matrix: Water

Date Received: 09/20/21 14:52

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.027		0.010		mg/L		09/23/21 08:26	09/27/21 13:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0047		0.0030		mg/L		09/23/21 08:26	09/24/21 13:26	1
Arsenic	0.13		0.0010		mg/L		09/23/21 08:26	09/24/21 13:26	1
Barium	0.011		0.0025		mg/L		09/23/21 08:26	09/24/21 13:26	1
Beryllium	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 13:26	1
Boron	11		5.0		mg/L		09/23/21 08:26	09/27/21 12:46	100
Cadmium	<0.00050		0.00050		mg/L		09/23/21 08:26	09/24/21 13:26	1
Calcium	6.4		0.20		mg/L		09/23/21 08:26	09/24/21 13:26	1
Chromium	<0.0050		0.0050		mg/L		09/23/21 08:26	09/24/21 13:26	1
Cobalt	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 13:26	1
Lead	<0.00050		0.00050		mg/L		09/23/21 08:26	09/24/21 13:26	1
Molybdenum	1.0		0.0050		mg/L		09/23/21 08:26	09/24/21 13:26	1
Selenium	<0.0025		0.0025		mg/L		09/23/21 08:26	09/24/21 13:26	1
Thallium	<0.0020		0.0020		mg/L		09/23/21 08:26	09/24/21 13:26	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/21/21 09:45	09/22/21 09:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1400		10		mg/L			09/24/21 07:43	1
Chloride	120		10		mg/L			09/22/21 18:13	5
Fluoride	1.5		0.10		mg/L			09/23/21 12:34	1
Sulfate	620		100		mg/L			09/22/21 19:14	20

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	122.99				ft			09/20/21 11:44	1
Depth to Water (ft from MP)	125.39				ft			09/20/21 11:44	1
Elevation of well (ft from MP)	623.46				ft			09/20/21 11:44	1
Field pH	9.39				SU			09/20/21 11:44	1
Field Temperature	71.1				Degrees F			09/20/21 11:44	1
Ground Water Elevation	498.07				ft			09/20/21 11:44	1
Specific Conductance	2200				umhos/cm			09/20/21 11:44	1
Well bottom elevation	448.35				ft			09/20/21 11:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: T03S

Lab Sample ID: 500-205255-6

Date Collected: 09/20/21 13:52

Matrix: Water

Date Received: 09/20/21 14:52

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.029		0.010		mg/L		09/23/21 08:26	09/27/21 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/23/21 08:26	09/24/21 13:29	1
Arsenic	0.0014		0.0010		mg/L		09/23/21 08:26	09/24/21 13:29	1
Barium	0.083		0.0025		mg/L		09/23/21 08:26	09/24/21 13:29	1
Beryllium	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 13:29	1
Boron	1.2		0.25		mg/L		09/23/21 08:26	09/27/21 12:49	5
Cadmium	<0.00050		0.00050		mg/L		09/23/21 08:26	09/24/21 13:29	1
Calcium	110		0.20		mg/L		09/23/21 08:26	09/24/21 13:29	1
Chromium	<0.0050		0.0050		mg/L		09/23/21 08:26	09/24/21 13:29	1
Cobalt	0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 13:29	1
Lead	<0.00050		0.00050		mg/L		09/23/21 08:26	09/24/21 13:29	1
Molybdenum	0.12		0.0050		mg/L		09/23/21 08:26	09/24/21 13:29	1
Selenium	<0.0025		0.0025		mg/L		09/23/21 08:26	09/24/21 13:29	1
Thallium	<0.0020		0.0020		mg/L		09/23/21 08:26	09/24/21 13:29	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/21/21 09:45	09/22/21 09:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	640		10		mg/L			09/24/21 07:49	1
Chloride	110		10		mg/L			09/22/21 18:05	5
Fluoride	0.21		0.10		mg/L			09/23/21 12:37	1
Sulfate	250		50		mg/L			09/22/21 19:08	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	136.61				ft			09/20/21 13:52	1
Depth to Water (ft from MP)	139.69				ft			09/20/21 13:52	1
Elevation of well (ft from MP)	629.74				ft			09/20/21 13:52	1
Field pH	7.45				SU			09/20/21 13:52	1
Field Temperature	57.2				Degrees F			09/20/21 13:52	1
Ground Water Elevation	490.05				ft			09/20/21 13:52	1
Specific Conductance	1268				umhos/cm			09/20/21 13:52	1
Well bottom elevation	456.70				ft			09/20/21 13:52	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: G48S

Lab Sample ID: 500-205255-7

Date Collected: 09/22/21 09:55

Matrix: GW

Date Received: 09/22/21 15:27

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.030		0.010		mg/L		09/23/21 08:26	09/27/21 13:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/23/21 08:26	09/24/21 13:39	1
Arsenic	0.0061		0.0010		mg/L		09/23/21 08:26	09/24/21 13:39	1
Barium	0.027		0.0025		mg/L		09/23/21 08:26	09/24/21 13:39	1
Beryllium	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 13:39	1
Boron	5.4		1.0		mg/L		09/23/21 08:26	09/27/21 12:53	20
Cadmium	<0.00050		0.00050		mg/L		09/23/21 08:26	09/24/21 13:39	1
Calcium	45		0.20		mg/L		09/23/21 08:26	09/24/21 13:39	1
Chromium	<0.0050		0.0050		mg/L		09/23/21 08:26	09/24/21 13:39	1
Cobalt	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 13:39	1
Lead	<0.00050		0.00050		mg/L		09/23/21 08:26	09/24/21 13:39	1
Molybdenum	0.46		0.0050		mg/L		09/23/21 08:26	09/24/21 13:39	1
Selenium	<0.0025		0.0025		mg/L		09/23/21 08:26	09/24/21 13:39	1
Thallium	<0.0020		0.0020		mg/L		09/23/21 08:26	09/24/21 13:39	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/23/21 10:45	09/24/21 08:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1000		10		mg/L			09/24/21 07:51	1
Chloride	100		10		mg/L			09/27/21 16:16	5
Fluoride	0.74		0.10		mg/L			09/23/21 12:50	1
Sulfate	440		50		mg/L			10/05/21 17:54	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	102.74				ft			09/22/21 09:55	1
Depth to Water (ft from MP)	105.19				ft			09/22/21 09:55	1
Elevation of well (ft from MP)	620.74				ft			09/22/21 09:55	1
Field pH	7.68				SU			09/22/21 09:55	1
Field Temperature	57.7				Degrees F			09/22/21 09:55	1
Ground Water Elevation	515.55				ft			09/22/21 09:55	1
Specific Conductance	1570				umhos/cm			09/22/21 09:55	1
Well bottom elevation	468.32				ft			09/22/21 09:55	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: G47S

Lab Sample ID: 500-205255-8

Date Collected: 09/22/21 12:47

Matrix: GW

Date Received: 09/22/21 15:27

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.053		0.010		mg/L		09/23/21 08:26	09/27/21 13:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/23/21 08:26	09/24/21 13:43	1
Arsenic	0.041		0.0010		mg/L		09/23/21 08:26	09/24/21 13:43	1
Barium	0.014		0.0025		mg/L		09/23/21 08:26	09/24/21 13:43	1
Beryllium	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 13:43	1
Boron	6.5		1.0		mg/L		09/23/21 08:26	09/27/21 12:56	20
Cadmium	<0.00050		0.00050		mg/L		09/23/21 08:26	09/24/21 13:43	1
Calcium	11		0.20		mg/L		09/23/21 08:26	09/24/21 13:43	1
Chromium	<0.0050		0.0050		mg/L		09/23/21 08:26	09/24/21 13:43	1
Cobalt	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 13:43	1
Lead	<0.00050		0.00050		mg/L		09/23/21 08:26	09/24/21 13:43	1
Molybdenum	0.52		0.0050		mg/L		09/23/21 08:26	09/24/21 13:43	1
Selenium	0.0030		0.0025		mg/L		09/23/21 08:26	09/24/21 13:43	1
Thallium	<0.0020		0.0020		mg/L		09/23/21 08:26	09/24/21 13:43	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/23/21 10:45	09/24/21 08:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	910		10		mg/L			09/24/21 07:54	1
Chloride	100		10		mg/L			09/27/21 16:17	5
Fluoride	0.62		0.10		mg/L			09/23/21 12:53	1
Sulfate	440		50		mg/L			10/05/21 17:55	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	94.01				ft			09/22/21 12:47	1
Depth to Water (ft from MP)	96.51				ft			09/22/21 12:47	1
Elevation of well (ft from MP)	612.04				ft			09/22/21 12:47	1
Field pH	8.83				SU			09/22/21 12:47	1
Field Temperature	57.7				Degrees F			09/22/21 12:47	1
Ground Water Elevation	515.53				ft			09/22/21 12:47	1
Specific Conductance	1520				umhos/cm			09/22/21 12:47	1
Well bottom elevation	459.84				ft			09/22/21 12:47	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: G33S

Lab Sample ID: 500-205255-9

Date Collected: 09/22/21 14:15

Matrix: Water

Date Received: 09/22/21 15:27

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.039		0.010		mg/L		09/23/21 08:26	09/27/21 13:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/23/21 08:26	09/24/21 13:46	1
Arsenic	0.0020		0.0010		mg/L		09/23/21 08:26	09/24/21 13:46	1
Barium	0.15		0.0025		mg/L		09/23/21 08:26	09/24/21 13:46	1
Beryllium	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 13:46	1
Boron	0.87		0.25		mg/L		09/23/21 08:26	09/27/21 13:00	5
Cadmium	<0.00050		0.00050		mg/L		09/23/21 08:26	09/24/21 13:46	1
Calcium	53		0.20		mg/L		09/23/21 08:26	09/24/21 13:46	1
Chromium	<0.0050		0.0050		mg/L		09/23/21 08:26	09/24/21 13:46	1
Cobalt	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 13:46	1
Lead	0.0043		0.00050		mg/L		09/23/21 08:26	09/24/21 13:46	1
Molybdenum	<0.0050		0.0050		mg/L		09/23/21 08:26	09/24/21 13:46	1
Selenium	<0.0025		0.0025		mg/L		09/23/21 08:26	09/24/21 13:46	1
Thallium	<0.0020		0.0020		mg/L		09/23/21 08:26	09/24/21 13:46	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/23/21 10:45	09/24/21 08:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	360		10		mg/L			09/24/21 07:56	1
Chloride	12		2.0		mg/L			09/27/21 16:17	1
Fluoride	0.53		0.10		mg/L			09/23/21 12:55	1
Sulfate	66		15		mg/L			10/05/21 17:56	3

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	31.87				ft			09/22/21 14:15	1
Depth to Water (ft from MP)	33.60				ft			09/22/21 14:15	1
Elevation of well (ft from MP)	535.65				ft			09/22/21 14:15	1
Field pH	7.67				SU			09/22/21 14:15	1
Field Temperature	58.6				Degrees F			09/22/21 14:15	1
Ground Water Elevation	502.05				ft			09/22/21 14:15	1
Specific Conductance	716				umhos/cm			09/22/21 14:15	1
Well bottom elevation	452.72				ft			09/22/21 14:15	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: G20S

Lab Sample ID: 500-205255-10

Date Collected: 09/23/21 09:45

Matrix: Water

Date Received: 09/23/21 13:50

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.042		0.010		mg/L		09/24/21 08:29	09/27/21 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/24/21 08:29	09/24/21 18:17	1
Arsenic	<0.0010		0.0010		mg/L		09/24/21 08:29	09/24/21 18:17	1
Barium	0.050		0.0025		mg/L		09/24/21 08:29	09/24/21 18:17	1
Beryllium	<0.0010		0.0010		mg/L		09/24/21 08:29	09/24/21 18:17	1
Boron	1.3		0.050		mg/L		09/24/21 08:29	09/24/21 18:17	1
Cadmium	<0.00050		0.00050		mg/L		09/24/21 08:29	09/24/21 18:17	1
Calcium	57		0.20		mg/L		09/24/21 08:29	09/24/21 18:17	1
Chromium	<0.0050		0.0050		mg/L		09/24/21 08:29	09/24/21 18:17	1
Cobalt	<0.0010		0.0010		mg/L		09/24/21 08:29	09/24/21 18:17	1
Lead	<0.00050		0.00050		mg/L		09/24/21 08:29	09/24/21 18:17	1
Molybdenum	0.024		0.0050		mg/L		09/24/21 08:29	09/24/21 18:17	1
Selenium	<0.0025		0.0025		mg/L		09/24/21 08:29	09/24/21 18:17	1
Thallium	<0.0020		0.0020		mg/L		09/24/21 08:29	09/24/21 18:17	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/24/21 10:15	09/27/21 08:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	320		10		mg/L			09/24/21 07:59	1
Chloride	14		2.0		mg/L			09/27/21 16:17	1
Fluoride	0.76		0.10		mg/L			10/07/21 10:31	1
Sulfate	69		15		mg/L			10/05/21 17:56	3

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	69.97				ft			09/23/21 09:45	1
Depth to Water (ft from MP)	72.75				ft			09/23/21 09:45	1
Elevation of well (ft from MP)	580.94				ft			09/23/21 09:45	1
Field pH	7.79				SU			09/23/21 09:45	1
Field Temperature	61.0				Degrees F			09/23/21 09:45	1
Ground Water Elevation	508.19				ft			09/23/21 09:45	1
Specific Conductance	677				umhos/cm			09/23/21 09:45	1
Well bottom elevation	442.28				ft			09/23/21 09:45	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: G45S

Lab Sample ID: 500-205255-11

Date Collected: 09/23/21 12:49

Matrix: Water

Date Received: 09/23/21 13:50

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.030		0.010		mg/L		09/24/21 08:29	09/27/21 14:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/24/21 08:29	09/24/21 18:35	1
Arsenic	0.010		0.0010		mg/L		09/24/21 08:29	09/24/21 18:35	1
Barium	0.036		0.0025		mg/L		09/24/21 08:29	09/24/21 18:35	1
Beryllium	<0.0010		0.0010		mg/L		09/24/21 08:29	09/24/21 18:35	1
Boron	0.39		0.050		mg/L		09/24/21 08:29	09/24/21 18:35	1
Cadmium	<0.00050		0.00050		mg/L		09/24/21 08:29	09/24/21 18:35	1
Calcium	85		0.20		mg/L		09/24/21 08:29	09/24/21 18:35	1
Chromium	<0.0050		0.0050		mg/L		09/24/21 08:29	09/24/21 18:35	1
Cobalt	<0.0010		0.0010		mg/L		09/24/21 08:29	09/24/21 18:35	1
Lead	<0.00050		0.00050		mg/L		09/24/21 08:29	09/24/21 18:35	1
Molybdenum	0.0076		0.0050		mg/L		09/24/21 08:29	09/24/21 18:35	1
Selenium	<0.0025		0.0025		mg/L		09/24/21 08:29	09/24/21 18:35	1
Thallium	<0.0020		0.0020		mg/L		09/24/21 08:29	09/24/21 18:35	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/24/21 10:15	09/27/21 08:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	690		10		mg/L			09/24/21 08:02	1
Chloride	110		10		mg/L			09/27/21 16:18	5
Fluoride	0.35		0.10		mg/L			10/07/21 10:40	1
Sulfate	140		25		mg/L			10/05/21 17:56	5

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	63.90				ft			09/23/21 12:49	1
Depth to Water (ft from MP)	66.87				ft			09/23/21 12:49	1
Elevation of well (ft from MP)	603.94				ft			09/23/21 12:49	1
Field pH	7.43				SU			09/23/21 12:49	1
Field Temperature	59.0				Degrees F			09/23/21 12:49	1
Ground Water Elevation	537.07				ft			09/23/21 12:49	1
Specific Conductance	971				umhos/cm			09/23/21 12:49	1
Well bottom elevation	471.05				ft			09/23/21 12:49	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: T01S

Lab Sample ID: 500-205255-12

Date Collected: 09/24/21 10:33

Matrix: Water

Date Received: 09/24/21 14:02

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.029		0.010		mg/L		09/28/21 09:40	10/06/21 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/28/21 09:40	09/29/21 13:43	1
Arsenic	0.019		0.0010		mg/L		09/28/21 09:40	09/29/21 13:43	1
Barium	0.11		0.0025		mg/L		09/28/21 09:40	09/29/21 13:43	1
Beryllium	<0.0010	^+	0.0010		mg/L		09/28/21 09:40	09/29/21 13:43	1
Boron	0.42		0.050		mg/L		09/28/21 09:40	09/30/21 13:41	1
Cadmium	<0.00050		0.00050		mg/L		09/28/21 09:40	09/29/21 13:43	1
Calcium	65		0.20		mg/L		09/28/21 09:40	09/29/21 13:43	1
Chromium	0.020		0.0050		mg/L		09/28/21 09:40	09/29/21 13:43	1
Cobalt	0.0081		0.0010		mg/L		09/28/21 09:40	09/29/21 13:43	1
Lead	0.0082		0.00050		mg/L		09/28/21 09:40	09/29/21 13:43	1
Molybdenum	0.32		0.0050		mg/L		09/28/21 09:40	09/29/21 13:43	1
Selenium	<0.0025		0.0025		mg/L		09/28/21 09:40	09/29/21 13:43	1
Thallium	<0.0020		0.0020		mg/L		09/28/21 09:40	09/29/21 13:43	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/21 10:15	09/28/21 10:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	800		10		mg/L			09/29/21 05:54	1
Chloride	79		10		mg/L			09/27/21 16:18	5
Fluoride	1.1		0.10		mg/L			10/07/21 10:43	1
Sulfate	410		50		mg/L			10/05/21 17:57	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	123.00				ft			09/24/21 10:33	1
Depth to Water (ft from MP)	125.48				ft			09/24/21 10:33	1
Elevation of well (ft from MP)	621.71				ft			09/24/21 10:33	1
Field pH	7.83				SU			09/24/21 10:33	1
Field Temperature	59.5				Degrees F			09/24/21 10:33	1
Ground Water Elevation	496.23				ft			09/24/21 10:33	1
Specific Conductance	1392				umhos/cm			09/24/21 10:33	1
Well bottom elevation	451.46				ft			09/24/21 10:33	1

Euofins TestAmerica, Chicago

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: G30S

Lab Sample ID: 500-205255-14

Date Collected: 09/24/21 12:23

Matrix: Water

Date Received: 09/24/21 14:02

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.024		0.010		mg/L		09/28/21 09:40	10/06/21 11:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/28/21 09:40	09/29/21 13:46	1
Arsenic	0.0038		0.0010		mg/L		09/28/21 09:40	09/29/21 13:46	1
Barium	0.047		0.0025		mg/L		09/28/21 09:40	09/29/21 13:46	1
Beryllium	<0.0010	^+	0.0010		mg/L		09/28/21 09:40	09/29/21 13:46	1
Boron	0.26		0.050		mg/L		09/28/21 09:40	09/30/21 13:44	1
Cadmium	<0.00050		0.00050		mg/L		09/28/21 09:40	09/29/21 13:46	1
Calcium	60		0.20		mg/L		09/28/21 09:40	09/29/21 13:46	1
Chromium	<0.0050		0.0050		mg/L		09/28/21 09:40	09/29/21 13:46	1
Cobalt	<0.0010		0.0010		mg/L		09/28/21 09:40	09/29/21 13:46	1
Lead	<0.00050		0.00050		mg/L		09/28/21 09:40	09/29/21 13:46	1
Molybdenum	0.012		0.0050		mg/L		09/28/21 09:40	09/29/21 13:46	1
Selenium	<0.0025		0.0025		mg/L		09/28/21 09:40	09/29/21 13:46	1
Thallium	<0.0020		0.0020		mg/L		09/28/21 09:40	09/29/21 13:46	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/21 10:15	09/28/21 10:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10		mg/L			09/29/21 06:01	1
Chloride	210		10		mg/L			09/27/21 16:19	5
Fluoride	0.99		0.10		mg/L			10/07/21 10:46	1
Sulfate	460		50		mg/L			10/05/21 17:58	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	0.34				ft			09/24/21 12:23	1
Depth to Water (ft from MP)	2.65				ft			09/24/21 12:23	1
Elevation of well (ft from MP)	524.69				ft			09/24/21 12:23	1
Field pH	8.16				SU			09/24/21 12:23	1
Field Temperature	57.9				Degrees F			09/24/21 12:23	1
Ground Water Elevation	522.04				ft			09/24/21 12:23	1
Specific Conductance	1820				umhos/cm			09/24/21 12:23	1
Well bottom elevation	462.58				ft			09/24/21 12:23	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: T04S

Lab Sample ID: 500-205255-15

Date Collected: 09/24/21 13:15

Matrix: Water

Date Received: 09/24/21 14:02

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	0				ft			09/24/21 13:15	1
Depth to Water (ft from MP)	0				ft			09/24/21 13:15	1
Elevation of well (ft from MP)	631.35				ft			09/24/21 13:15	1
Field pH	0				SU			09/24/21 13:15	1
Field Temperature	0				Degrees F			09/24/21 13:15	1
Ground Water Elevation	0				ft			09/24/21 13:15	1
Specific Conductance	0				umhos/cm			09/24/21 13:15	1
Well bottom elevation	458.07				ft			09/24/21 13:15	1



Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: G46S

Lab Sample ID: 500-205255-16

Date Collected: 09/27/21 09:04

Matrix: Water

Date Received: 09/27/21 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/28/21 09:40	09/29/21 13:49	1
Arsenic	0.046		0.0010		mg/L		09/28/21 09:40	09/29/21 13:49	1
Barium	0.043		0.0025		mg/L		09/28/21 09:40	09/29/21 13:49	1
Beryllium	<0.0010	^+	0.0010		mg/L		09/28/21 09:40	09/29/21 13:49	1
Boron	0.24		0.050		mg/L		09/28/21 09:40	09/30/21 13:48	1
Cadmium	<0.00050		0.00050		mg/L		09/28/21 09:40	09/29/21 13:49	1
Calcium	130		0.20		mg/L		09/28/21 09:40	09/29/21 13:49	1
Chromium	<0.0050		0.0050		mg/L		09/28/21 09:40	09/29/21 13:49	1
Cobalt	<0.0010		0.0010		mg/L		09/28/21 09:40	09/29/21 13:49	1
Lead	<0.00050		0.00050		mg/L		09/28/21 09:40	09/29/21 13:49	1
Lithium	0.0042		0.0020		mg/L		09/28/21 09:40	09/30/21 13:48	1
Molybdenum	1.6		0.0050		mg/L		09/28/21 09:40	09/29/21 13:49	1
Selenium	<0.0025		0.0025		mg/L		09/28/21 09:40	09/29/21 13:49	1
Thallium	<0.0020		0.0020		mg/L		09/28/21 09:40	09/29/21 13:49	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/28/21 09:50	09/29/21 10:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1000		10		mg/L			09/29/21 06:07	1
Chloride	66		10		mg/L			09/28/21 13:02	5
Fluoride	0.25		0.10		mg/L			10/07/21 10:49	1
Sulfate	560		100		mg/L			10/05/21 17:58	20

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	96.39				ft			09/27/21 09:04	1
Depth to Water (ft from MP)	99.09				ft			09/27/21 09:04	1
Elevation of well (ft from MP)	601.34				ft			09/27/21 09:04	1
Field pH	7.80				SU			09/27/21 09:04	1
Field Temperature	59.5				Degrees F			09/27/21 09:04	1
Ground Water Elevation	502.25				ft			09/27/21 09:04	1
Specific Conductance	1429				umhos/cm			09/27/21 09:04	1
Well bottom elevation	453.62				ft			09/27/21 09:04	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: G44S

Lab Sample ID: 500-205255-17

Date Collected: 09/27/21 10:16

Matrix: Water

Date Received: 09/27/21 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/28/21 09:40	09/29/21 13:53	1
Arsenic	<0.0010		0.0010		mg/L		09/28/21 09:40	09/29/21 13:53	1
Barium	0.065		0.0025		mg/L		09/28/21 09:40	09/29/21 13:53	1
Beryllium	<0.0010	^+	0.0010		mg/L		09/28/21 09:40	09/29/21 13:53	1
Boron	0.39		0.050		mg/L		09/28/21 09:40	09/30/21 13:51	1
Cadmium	<0.00050		0.00050		mg/L		09/28/21 09:40	09/29/21 13:53	1
Calcium	130		0.20		mg/L		09/28/21 09:40	09/29/21 13:53	1
Chromium	<0.0050		0.0050		mg/L		09/28/21 09:40	09/29/21 13:53	1
Cobalt	<0.0010		0.0010		mg/L		09/28/21 09:40	09/29/21 13:53	1
Lead	<0.00050		0.00050		mg/L		09/28/21 09:40	09/29/21 13:53	1
Lithium	0.0056		0.0020		mg/L		09/28/21 09:40	09/30/21 13:51	1
Molybdenum	0.29		0.0050		mg/L		09/28/21 09:40	09/29/21 13:53	1
Selenium	<0.0025		0.0025		mg/L		09/28/21 09:40	09/29/21 13:53	1
Thallium	<0.0020		0.0020		mg/L		09/28/21 09:40	09/29/21 13:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/28/21 09:50	09/29/21 10:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	650		10		mg/L			09/29/21 06:09	1
Chloride	62		10		mg/L			09/28/21 13:03	5
Fluoride	0.20		0.10		mg/L			10/07/21 10:52	1
Sulfate	180		25		mg/L			10/05/21 17:58	5

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	78.72				ft			09/27/21 10:16	1
Depth to Water (ft from MP)	80.90				ft			09/27/21 10:16	1
Elevation of well (ft from MP)	586.49				ft			09/27/21 10:16	1
Field pH	7.30				SU			09/27/21 10:16	1
Field Temperature	58.6				Degrees F			09/27/21 10:16	1
Ground Water Elevation	505.59				ft			09/27/21 10:16	1
Specific Conductance	1115				umhos/cm			09/27/21 10:16	1
Well bottom elevation	455.11				ft			09/27/21 10:16	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: R08S

Lab Sample ID: 500-205255-18

Date Collected: 09/27/21 11:05

Matrix: GW

Date Received: 09/27/21 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/28/21 09:40	09/29/21 13:56	1
Arsenic	0.0015		0.0010		mg/L		09/28/21 09:40	09/29/21 13:56	1
Barium	0.042		0.0025		mg/L		09/28/21 09:40	09/29/21 13:56	1
Beryllium	<0.0010	^+	0.0010		mg/L		09/28/21 09:40	09/29/21 13:56	1
Boron	0.41		0.050		mg/L		09/28/21 09:40	09/30/21 13:55	1
Cadmium	<0.00050		0.00050		mg/L		09/28/21 09:40	09/29/21 13:56	1
Calcium	150		0.20		mg/L		09/28/21 09:40	09/29/21 13:56	1
Chromium	<0.0050		0.0050		mg/L		09/28/21 09:40	09/29/21 13:56	1
Cobalt	<0.0010		0.0010		mg/L		09/28/21 09:40	09/29/21 13:56	1
Lead	<0.00050		0.00050		mg/L		09/28/21 09:40	09/29/21 13:56	1
Lithium	0.0079		0.0020		mg/L		09/28/21 09:40	09/30/21 13:55	1
Molybdenum	0.40		0.0050		mg/L		09/28/21 09:40	09/29/21 13:56	1
Selenium	0.013		0.0025		mg/L		09/28/21 09:40	09/29/21 13:56	1
Thallium	<0.0020		0.0020		mg/L		09/28/21 09:40	09/29/21 13:56	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/28/21 09:50	09/29/21 10:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	740		10		mg/L			09/29/21 06:12	1
Chloride	80		10		mg/L			09/28/21 13:03	5
Fluoride	0.15		0.10		mg/L			10/07/21 11:05	1
Sulfate	430		100		mg/L			10/05/21 18:05	20

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	64.60				ft			09/27/21 11:05	1
Depth to Water (ft from MP)	67.15				ft			09/27/21 11:05	1
Elevation of well (ft from MP)	578.51				ft			09/27/21 11:05	1
Field pH	8.27				SU			09/27/21 11:05	1
Field Temperature	58.1				Degrees F			09/27/21 11:05	1
Ground Water Elevation	511.36				ft			09/27/21 11:05	1
Specific Conductance	1100				umhos/cm			09/27/21 11:05	1
Well bottom elevation	453.08				ft			09/27/21 11:05	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: G31S

Lab Sample ID: 500-205255-19

Date Collected: 09/27/21 12:58

Matrix: Water

Date Received: 09/27/21 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/28/21 09:40	09/29/21 14:00	1
Arsenic	0.0045		0.0010		mg/L		09/28/21 09:40	09/29/21 14:00	1
Barium	0.049		0.0025		mg/L		09/28/21 09:40	09/29/21 14:00	1
Beryllium	<0.0010	^+	0.0010		mg/L		09/28/21 09:40	09/29/21 14:00	1
Boron	0.25		0.050		mg/L		09/28/21 09:40	09/30/21 13:58	1
Cadmium	<0.00050		0.00050		mg/L		09/28/21 09:40	09/29/21 14:00	1
Calcium	150		0.20		mg/L		09/28/21 09:40	09/29/21 14:00	1
Chromium	<0.0050		0.0050		mg/L		09/28/21 09:40	09/29/21 14:00	1
Cobalt	<0.0010		0.0010		mg/L		09/28/21 09:40	09/29/21 14:00	1
Lead	<0.00050		0.00050		mg/L		09/28/21 09:40	09/29/21 14:00	1
Lithium	0.0053		0.0020		mg/L		09/28/21 09:40	09/30/21 13:58	1
Molybdenum	0.78		0.0050		mg/L		09/28/21 09:40	09/29/21 14:00	1
Selenium	<0.0025		0.0025		mg/L		09/28/21 09:40	09/29/21 14:00	1
Thallium	<0.0020		0.0020		mg/L		09/28/21 09:40	09/29/21 14:00	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/28/21 09:50	09/29/21 10:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10		mg/L			09/29/21 06:14	1
Chloride	170		10		mg/L			09/28/21 13:03	5
Fluoride	0.24		0.10		mg/L			10/07/21 11:08	1
Sulfate	460		50		mg/L			10/05/21 17:59	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	24.80				ft			09/27/21 12:58	1
Depth to Water (ft from MP)	27.38				ft			09/27/21 12:58	1
Elevation of well (ft from MP)	535.77				ft			09/27/21 12:58	1
Field pH	7.48				SU			09/27/21 12:58	1
Field Temperature	61.0				Degrees F			09/27/21 12:58	1
Ground Water Elevation	508.39				ft			09/27/21 12:58	1
Specific Conductance	1710				umhos/cm			09/27/21 12:58	1
Well bottom elevation	453.36				ft			09/27/21 12:58	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: DUP

Lab Sample ID: 500-205255-20

Date Collected: 09/27/21 12:58

Matrix: Water

Date Received: 09/27/21 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/28/21 09:40	09/29/21 14:10	1
Arsenic	0.0047		0.0010		mg/L		09/28/21 09:40	09/29/21 14:10	1
Barium	0.051		0.0025		mg/L		09/28/21 09:40	09/29/21 14:10	1
Beryllium	<0.0010		0.0010		mg/L		09/28/21 09:40	09/29/21 14:10	1
Boron	0.28		0.050		mg/L		09/28/21 09:40	09/30/21 14:02	1
Cadmium	<0.00050		0.00050		mg/L		09/28/21 09:40	09/29/21 14:10	1
Calcium	150		0.20		mg/L		09/28/21 09:40	09/29/21 14:10	1
Chromium	<0.0050		0.0050		mg/L		09/28/21 09:40	09/29/21 14:10	1
Cobalt	<0.0010		0.0010		mg/L		09/28/21 09:40	09/29/21 14:10	1
Lead	<0.00050		0.00050		mg/L		09/28/21 09:40	09/29/21 14:10	1
Lithium	0.0059		0.0020		mg/L		09/28/21 09:40	09/30/21 14:02	1
Molybdenum	0.81		0.0050		mg/L		09/28/21 09:40	09/29/21 14:10	1
Selenium	<0.0025		0.0025		mg/L		09/28/21 09:40	09/29/21 14:10	1
Thallium	<0.0020		0.0020		mg/L		09/28/21 09:40	09/29/21 14:10	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/28/21 09:50	09/29/21 10:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1000		10		mg/L			09/29/21 06:17	1
Chloride	150		10		mg/L			09/28/21 13:03	5
Fluoride	0.24		0.10		mg/L			10/07/21 11:11	1
Sulfate	470		50		mg/L			10/05/21 17:59	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	24.80				ft			09/27/21 12:58	1
Depth to Water (ft from MP)	27.38				ft			09/27/21 12:58	1
Elevation of well (ft from MP)	535.77				ft			09/27/21 12:58	1
Field pH	7.48				SU			09/27/21 12:58	1
Field Temperature	61.0				Degrees F			09/27/21 12:58	1
Ground Water Elevation	508.39				ft			09/27/21 12:58	1
Specific Conductance	1710				umhos/cm			09/27/21 12:58	1
Well bottom elevation	453.36				ft			09/27/21 12:58	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: R32S

Lab Sample ID: 500-205255-21

Date Collected: 09/30/21 09:09

Matrix: Water

Date Received: 09/30/21 10:15

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.12		0.010		mg/L		10/05/21 10:01	10/06/21 00:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		10/05/21 10:01	10/05/21 18:39	1
Arsenic	0.0029		0.0010		mg/L		10/05/21 10:01	10/05/21 18:39	1
Barium	0.037		0.0025		mg/L		10/05/21 10:01	10/05/21 18:39	1
Beryllium	<0.0010		0.0010		mg/L		10/05/21 10:01	10/06/21 13:19	1
Boron	6.0		1.0		mg/L		10/05/21 10:01	10/06/21 13:05	20
Cadmium	<0.00050		0.00050		mg/L		10/05/21 10:01	10/05/21 18:39	1
Calcium	160		0.20		mg/L		10/05/21 10:01	10/05/21 18:39	1
Chromium	<0.0050		0.0050		mg/L		10/05/21 10:01	10/05/21 18:39	1
Cobalt	<0.0010		0.0010		mg/L		10/05/21 10:01	10/05/21 18:39	1
Lead	<0.00050		0.00050		mg/L		10/05/21 10:01	10/05/21 18:39	1
Molybdenum	0.95		0.0050		mg/L		10/05/21 10:01	10/05/21 18:39	1
Selenium	<0.0025		0.0025		mg/L		10/05/21 10:01	10/05/21 18:39	1
Thallium	<0.0020		0.0020		mg/L		10/05/21 10:01	10/05/21 18:39	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/04/21 10:30	10/05/21 10:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	970		10		mg/L			10/01/21 02:30	1
Chloride	62		6.0		mg/L			10/05/21 16:31	3
Fluoride	0.31		0.10		mg/L			10/07/21 11:14	1
Sulfate	520		100		mg/L			10/05/21 18:16	20

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	19.15				ft			09/30/21 09:09	1
Depth to Water (ft from MP)	21.18				ft			09/30/21 09:09	1
Elevation of well (ft from MP)	536.91				ft			09/30/21 09:09	1
Field pH	7.47				SU			09/30/21 09:09	1
Field Temperature	53.8				Degrees F			09/30/21 09:09	1
Ground Water Elevation	515.73				ft			09/30/21 09:09	1
Specific Conductance	1237				umhos/cm			09/30/21 09:09	1
Well bottom elevation	457.84				ft			09/30/21 09:09	1

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Qualifiers

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
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.
V	Serial Dilution exceeds the control limits

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.

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: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Metals

Prep Batch: 619095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-1	T02S	Total/NA	Water	7470A	
500-205255-2	T08S	Total/NA	Water	7470A	
500-205255-3	T09S	Total/NA	Water	7470A	
MB 500-619095/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-619095/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 619335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-1	T02S	Total/NA	Water	7470A	619095
500-205255-2	T08S	Total/NA	Water	7470A	619095
500-205255-3	T09S	Total/NA	Water	7470A	619095
MB 500-619095/12-A	Method Blank	Total/NA	Water	7470A	619095
LCS 500-619095/13-A	Lab Control Sample	Total/NA	Water	7470A	619095

Prep Batch: 619544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-4	T06S	Total/NA	Water	7470A	
500-205255-5	T05S	Total/NA	Water	7470A	
500-205255-6	T03S	Total/NA	Water	7470A	
MB 500-619544/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-619544/31-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 619788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-4	T06S	Total/NA	Water	7470A	619544
500-205255-5	T05S	Total/NA	Water	7470A	619544
500-205255-6	T03S	Total/NA	Water	7470A	619544
MB 500-619544/12-A	Method Blank	Total/NA	Water	7470A	619544
LCS 500-619544/31-A	Lab Control Sample	Total/NA	Water	7470A	619544

Prep Batch: 619932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-1	T02S	Total Recoverable	Water	3005A	
500-205255-2	T08S	Total Recoverable	Water	3005A	
500-205255-3	T09S	Total Recoverable	Water	3005A	
500-205255-4	T06S	Total Recoverable	Water	3005A	
500-205255-5	T05S	Total Recoverable	Water	3005A	
500-205255-6	T03S	Total Recoverable	Water	3005A	
500-205255-7	G48S	Total Recoverable	GW	3005A	
500-205255-8	G47S	Total Recoverable	GW	3005A	
500-205255-9	G33S	Total Recoverable	Water	3005A	
MB 500-619932/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-619932/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-205255-1 MS	T02S	Total Recoverable	Water	3005A	
500-205255-1 MSD	T02S	Total Recoverable	Water	3005A	
500-205255-1 DU	T02S	Total Recoverable	Water	3005A	

Prep Batch: 619977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-7	G48S	Total/NA	GW	7470A	
500-205255-8	G47S	Total/NA	GW	7470A	

Eurofins TestAmerica, Chicago

QC Association Summary

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Metals (Continued)

Prep Batch: 619977 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-9	G33S	Total/NA	Water	7470A	
MB 500-619977/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-619977/13-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 620138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-10	G20S	Total Recoverable	Water	3005A	
500-205255-11	G45S	Total Recoverable	Water	3005A	
MB 500-620138/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-620138/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-205255-10 MS	G20S	Total Recoverable	Water	3005A	
500-205255-10 MSD	G20S	Total Recoverable	Water	3005A	
500-205255-10 DU	G20S	Total Recoverable	Water	3005A	

Prep Batch: 620164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-10	G20S	Total/NA	Water	7470A	
500-205255-11	G45S	Total/NA	Water	7470A	
MB 500-620164/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-620164/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 620176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-7	G48S	Total/NA	GW	7470A	619977
500-205255-8	G47S	Total/NA	GW	7470A	619977
500-205255-9	G33S	Total/NA	Water	7470A	619977
MB 500-619977/12-A	Method Blank	Total/NA	Water	7470A	619977
LCS 500-619977/13-A	Lab Control Sample	Total/NA	Water	7470A	619977

Analysis Batch: 620228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-1	T02S	Total Recoverable	Water	6020A	619932
500-205255-2	T08S	Total Recoverable	Water	6020A	619932
500-205255-3	T09S	Total Recoverable	Water	6020A	619932
500-205255-4	T06S	Total Recoverable	Water	6020A	619932
500-205255-5	T05S	Total Recoverable	Water	6020A	619932
500-205255-6	T03S	Total Recoverable	Water	6020A	619932
500-205255-7	G48S	Total Recoverable	GW	6020A	619932
500-205255-8	G47S	Total Recoverable	GW	6020A	619932
500-205255-9	G33S	Total Recoverable	Water	6020A	619932
MB 500-619932/1-A	Method Blank	Total Recoverable	Water	6020A	619932
LCS 500-619932/2-A	Lab Control Sample	Total Recoverable	Water	6020A	619932
500-205255-1 MS	T02S	Total Recoverable	Water	6020A	619932
500-205255-1 MSD	T02S	Total Recoverable	Water	6020A	619932
500-205255-1 DU	T02S	Total Recoverable	Water	6020A	619932

Analysis Batch: 620424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-10	G20S	Total Recoverable	Water	6020A	620138
500-205255-11	G45S	Total Recoverable	Water	6020A	620138
MB 500-620138/1-A	Method Blank	Total Recoverable	Water	6020A	620138

Eurofins TestAmerica, Chicago

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Metals (Continued)

Analysis Batch: 620424 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-620138/2-A	Lab Control Sample	Total Recoverable	Water	6020A	620138
500-205255-10 MS	G20S	Total Recoverable	Water	6020A	620138
500-205255-10 MSD	G20S	Total Recoverable	Water	6020A	620138
500-205255-10 DU	G20S	Total Recoverable	Water	6020A	620138

Analysis Batch: 620427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-10	G20S	Total/NA	Water	7470A	620164
500-205255-11	G45S	Total/NA	Water	7470A	620164
MB 500-620164/12-A	Method Blank	Total/NA	Water	7470A	620164
LCS 500-620164/13-A	Lab Control Sample	Total/NA	Water	7470A	620164

Prep Batch: 620430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-12	T01S	Total/NA	Water	7470A	
500-205255-14	G30S	Total/NA	Water	7470A	
MB 500-620430/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-620430/13-A	Lab Control Sample	Total/NA	Water	7470A	
LCS 500-620430/34-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 620493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-1	T02S	Total Recoverable	Water	6010C	619932
500-205255-2	T08S	Total Recoverable	Water	6010C	619932
500-205255-3	T09S	Total Recoverable	Water	6010C	619932
500-205255-4	T06S	Total Recoverable	Water	6010C	619932
500-205255-5	T05S	Total Recoverable	Water	6010C	619932
500-205255-6	T03S	Total Recoverable	Water	6010C	619932
500-205255-7	G48S	Total Recoverable	GW	6010C	619932
500-205255-8	G47S	Total Recoverable	GW	6010C	619932
500-205255-9	G33S	Total Recoverable	Water	6010C	619932
MB 500-619932/1-A	Method Blank	Total Recoverable	Water	6010C	619932
LCS 500-619932/2-A	Lab Control Sample	Total Recoverable	Water	6010C	619932
500-205255-1 MS	T02S	Total Recoverable	Water	6010C	619932
500-205255-1 MSD	T02S	Total Recoverable	Water	6010C	619932
500-205255-1 DU	T02S	Total Recoverable	Water	6010C	619932

Analysis Batch: 620496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-1	T02S	Total Recoverable	Water	6020A	619932
500-205255-2	T08S	Total Recoverable	Water	6020A	619932
500-205255-3	T09S	Total Recoverable	Water	6020A	619932
500-205255-4	T06S	Total Recoverable	Water	6020A	619932
500-205255-5	T05S	Total Recoverable	Water	6020A	619932
500-205255-6	T03S	Total Recoverable	Water	6020A	619932
500-205255-7	G48S	Total Recoverable	GW	6020A	619932
500-205255-8	G47S	Total Recoverable	GW	6020A	619932
500-205255-9	G33S	Total Recoverable	Water	6020A	619932
MB 500-619932/1-A	Method Blank	Total Recoverable	Water	6020A	619932
LCS 500-619932/2-A	Lab Control Sample	Total Recoverable	Water	6020A	619932
500-205255-1 MS	T02S	Total Recoverable	Water	6020A	619932

Eurofins TestAmerica, Chicago

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Metals (Continued)

Analysis Batch: 620496 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-1 MSD	T02S	Total Recoverable	Water	6020A	619932
500-205255-1 DU	T02S	Total Recoverable	Water	6020A	619932

Analysis Batch: 620501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-10	G20S	Total Recoverable	Water	6010C	620138
500-205255-11	G45S	Total Recoverable	Water	6010C	620138
MB 500-620138/1-A	Method Blank	Total Recoverable	Water	6010C	620138
LCS 500-620138/2-A	Lab Control Sample	Total Recoverable	Water	6010C	620138
500-205255-10 MS	G20S	Total Recoverable	Water	6010C	620138
500-205255-10 MSD	G20S	Total Recoverable	Water	6010C	620138
500-205255-10 DU	G20S	Total Recoverable	Water	6010C	620138

Prep Batch: 620630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-12	T01S	Total Recoverable	Water	3005A	
500-205255-14	G30S	Total Recoverable	Water	3005A	
500-205255-16	G46S	Total Recoverable	Water	3005A	
500-205255-17	G44S	Total Recoverable	Water	3005A	
500-205255-18	R08S	Total Recoverable	GW	3005A	
500-205255-19	G31S	Total Recoverable	Water	3005A	
500-205255-20	DUP	Total Recoverable	Water	3005A	
MB 500-620630/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-620630/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 620644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-16	G46S	Total/NA	Water	7470A	
500-205255-17	G44S	Total/NA	Water	7470A	
500-205255-18	R08S	Total/NA	GW	7470A	
500-205255-19	G31S	Total/NA	Water	7470A	
500-205255-20	DUP	Total/NA	Water	7470A	
MB 500-620644/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-620644/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 620661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-12	T01S	Total/NA	Water	7470A	620430
500-205255-14	G30S	Total/NA	Water	7470A	620430
MB 500-620430/12-A	Method Blank	Total/NA	Water	7470A	620430
LCS 500-620430/13-A	Lab Control Sample	Total/NA	Water	7470A	620430
LCS 500-620430/34-A	Lab Control Sample	Total/NA	Water	7470A	620430

Analysis Batch: 620878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-16	G46S	Total/NA	Water	7470A	620644
500-205255-17	G44S	Total/NA	Water	7470A	620644
500-205255-18	R08S	Total/NA	GW	7470A	620644
500-205255-19	G31S	Total/NA	Water	7470A	620644
500-205255-20	DUP	Total/NA	Water	7470A	620644
MB 500-620644/12-A	Method Blank	Total/NA	Water	7470A	620644

Eurofins TestAmerica, Chicago

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Metals (Continued)

Analysis Batch: 620878 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-620644/13-A	Lab Control Sample	Total/NA	Water	7470A	620644

Analysis Batch: 621086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-12	T01S	Total Recoverable	Water	6020A	620630
500-205255-14	G30S	Total Recoverable	Water	6020A	620630
500-205255-16	G46S	Total Recoverable	Water	6020A	620630
500-205255-17	G44S	Total Recoverable	Water	6020A	620630
500-205255-18	R08S	Total Recoverable	GW	6020A	620630
500-205255-19	G31S	Total Recoverable	Water	6020A	620630
500-205255-20	DUP	Total Recoverable	Water	6020A	620630
MB 500-620630/1-A	Method Blank	Total Recoverable	Water	6020A	620630
LCS 500-620630/2-A	Lab Control Sample	Total Recoverable	Water	6020A	620630

Analysis Batch: 621159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-12	T01S	Total Recoverable	Water	6020A	620630
500-205255-14	G30S	Total Recoverable	Water	6020A	620630
500-205255-16	G46S	Total Recoverable	Water	6020A	620630
500-205255-17	G44S	Total Recoverable	Water	6020A	620630
500-205255-18	R08S	Total Recoverable	GW	6020A	620630
500-205255-19	G31S	Total Recoverable	Water	6020A	620630
500-205255-20	DUP	Total Recoverable	Water	6020A	620630
MB 500-620630/1-A	Method Blank	Total Recoverable	Water	6020A	620630
LCS 500-620630/2-A	Lab Control Sample	Total Recoverable	Water	6020A	620630

Prep Batch: 621503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-21	R32S	Total/NA	Water	7470A	
MB 500-621503/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-621503/13-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 621782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-21	R32S	Total Recoverable	Water	3005A	
MB 500-621782/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-621782/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 621875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-21	R32S	Total/NA	Water	7470A	621503
MB 500-621503/12-A	Method Blank	Total/NA	Water	7470A	621503
LCS 500-621503/13-A	Lab Control Sample	Total/NA	Water	7470A	621503

Analysis Batch: 622055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-21	R32S	Total Recoverable	Water	6010C	621782
MB 500-621782/1-A	Method Blank	Total Recoverable	Water	6010C	621782
LCS 500-621782/2-A	Lab Control Sample	Total Recoverable	Water	6010C	621782

Eurofins TestAmerica, Chicago

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Metals

Analysis Batch: 622116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-21	R32S	Total Recoverable	Water	6020A	621782
MB 500-621782/1-A	Method Blank	Total Recoverable	Water	6020A	621782
LCS 500-621782/2-A	Lab Control Sample	Total Recoverable	Water	6020A	621782

Analysis Batch: 622179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-12	T01S	Total Recoverable	Water	6010C	620630
500-205255-14	G30S	Total Recoverable	Water	6010C	620630
MB 500-620630/1-A	Method Blank	Total Recoverable	Water	6010C	620630
LCS 500-620630/2-A	Lab Control Sample	Total Recoverable	Water	6010C	620630

Analysis Batch: 622203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-21	R32S	Total Recoverable	Water	6020A	621782
500-205255-21	R32S	Total Recoverable	Water	6020A	621782

General Chemistry

Analysis Batch: 618819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-1	T02S	Total/NA	Water	SM 2540C	
500-205255-2	T08S	Total/NA	Water	SM 2540C	
500-205255-3	T09S	Total/NA	Water	SM 2540C	
MB 500-618819/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-618819/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 619947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-1	T02S	Total/NA	Water	SM 4500 Cl- E	
500-205255-2	T08S	Total/NA	Water	SM 4500 Cl- E	
500-205255-3	T09S	Total/NA	Water	SM 4500 Cl- E	
500-205255-4	T06S	Total/NA	Water	SM 4500 Cl- E	
500-205255-5	T05S	Total/NA	Water	SM 4500 Cl- E	
500-205255-6	T03S	Total/NA	Water	SM 4500 Cl- E	
MB 500-619947/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 500-619947/48	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-619947/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 500-619947/49	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 619948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-1	T02S	Total/NA	Water	SM 4500 SO4 E	
500-205255-2	T08S	Total/NA	Water	SM 4500 SO4 E	
500-205255-3	T09S	Total/NA	Water	SM 4500 SO4 E	
500-205255-4	T06S	Total/NA	Water	SM 4500 SO4 E	
500-205255-5	T05S	Total/NA	Water	SM 4500 SO4 E	
500-205255-6	T03S	Total/NA	Water	SM 4500 SO4 E	
MB 500-619948/15	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-619948/16	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Eurofins TestAmerica, Chicago

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

General Chemistry

Analysis Batch: 620050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-1	T02S	Total/NA	Water	SM 4500 F C	
500-205255-2	T08S	Total/NA	Water	SM 4500 F C	
500-205255-3	T09S	Total/NA	Water	SM 4500 F C	
500-205255-4	T06S	Total/NA	Water	SM 4500 F C	
500-205255-5	T05S	Total/NA	Water	SM 4500 F C	
500-205255-6	T03S	Total/NA	Water	SM 4500 F C	
500-205255-7	G48S	Total/NA	GW	SM 4500 F C	
500-205255-8	G47S	Total/NA	GW	SM 4500 F C	
500-205255-9	G33S	Total/NA	Water	SM 4500 F C	
MB 500-620050/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-620050/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-205255-1 MS	T02S	Total/NA	Water	SM 4500 F C	
500-205255-1 MSD	T02S	Total/NA	Water	SM 4500 F C	

Analysis Batch: 620102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-4	T06S	Total/NA	Water	SM 2540C	
500-205255-5	T05S	Total/NA	Water	SM 2540C	
500-205255-6	T03S	Total/NA	Water	SM 2540C	
500-205255-7	G48S	Total/NA	GW	SM 2540C	
500-205255-8	G47S	Total/NA	GW	SM 2540C	
500-205255-9	G33S	Total/NA	Water	SM 2540C	
500-205255-10	G20S	Total/NA	Water	SM 2540C	
500-205255-11	G45S	Total/NA	Water	SM 2540C	
MB 500-620102/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-620102/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-205255-4 MS	T06S	Total/NA	Water	SM 2540C	
500-205255-4 DU	T06S	Total/NA	Water	SM 2540C	
500-205255-5 DU	T05S	Total/NA	Water	SM 2540C	

Analysis Batch: 620513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-7	G48S	Total/NA	GW	SM 4500 CI- E	
500-205255-8	G47S	Total/NA	GW	SM 4500 CI- E	
500-205255-9	G33S	Total/NA	Water	SM 4500 CI- E	
500-205255-10	G20S	Total/NA	Water	SM 4500 CI- E	
500-205255-11	G45S	Total/NA	Water	SM 4500 CI- E	
500-205255-12	T01S	Total/NA	Water	SM 4500 CI- E	
500-205255-14	G30S	Total/NA	Water	SM 4500 CI- E	
MB 500-620513/16	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-620513/17	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
500-205255-7 MS	G48S	Total/NA	GW	SM 4500 CI- E	
500-205255-7 MSD	G48S	Total/NA	GW	SM 4500 CI- E	

Analysis Batch: 620702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-16	G46S	Total/NA	Water	SM 4500 CI- E	
500-205255-17	G44S	Total/NA	Water	SM 4500 CI- E	
500-205255-18	R08S	Total/NA	GW	SM 4500 CI- E	
500-205255-19	G31S	Total/NA	Water	SM 4500 CI- E	
500-205255-20	DUP	Total/NA	Water	SM 4500 CI- E	

Eurofins TestAmerica, Chicago

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

General Chemistry (Continued)

Analysis Batch: 620702 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-620702/55	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-620702/56	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
500-205255-20 MS	DUP	Total/NA	Water	SM 4500 CI- E	
500-205255-20 MSD	DUP	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 620775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-12	T01S	Total/NA	Water	SM 2540C	
500-205255-14	G30S	Total/NA	Water	SM 2540C	
500-205255-16	G46S	Total/NA	Water	SM 2540C	
500-205255-17	G44S	Total/NA	Water	SM 2540C	
500-205255-18	R08S	Total/NA	GW	SM 2540C	
500-205255-19	G31S	Total/NA	Water	SM 2540C	
500-205255-20	DUP	Total/NA	Water	SM 2540C	
MB 500-620775/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-620775/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-205255-12 MS	T01S	Total/NA	Water	SM 2540C	
500-205255-12 DU	T01S	Total/NA	Water	SM 2540C	
500-205255-14 DU	G30S	Total/NA	Water	SM 2540C	

Analysis Batch: 621197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-21	R32S	Total/NA	Water	SM 2540C	
MB 500-621197/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-621197/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-205255-21 MS	R32S	Total/NA	Water	SM 2540C	
500-205255-21 DU	R32S	Total/NA	Water	SM 2540C	

Analysis Batch: 621981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-21	R32S	Total/NA	Water	SM 4500 CI- E	
MB 500-621981/33	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-621981/34	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
500-205255-21 MS	R32S	Total/NA	Water	SM 4500 CI- E	
500-205255-21 MSD	R32S	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 621988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-7	G48S	Total/NA	GW	SM 4500 SO4 E	
500-205255-8	G47S	Total/NA	GW	SM 4500 SO4 E	
500-205255-9	G33S	Total/NA	Water	SM 4500 SO4 E	
500-205255-10	G20S	Total/NA	Water	SM 4500 SO4 E	
500-205255-11	G45S	Total/NA	Water	SM 4500 SO4 E	
500-205255-12	T01S	Total/NA	Water	SM 4500 SO4 E	
500-205255-14	G30S	Total/NA	Water	SM 4500 SO4 E	
500-205255-16	G46S	Total/NA	Water	SM 4500 SO4 E	
500-205255-17	G44S	Total/NA	Water	SM 4500 SO4 E	
500-205255-18	R08S	Total/NA	GW	SM 4500 SO4 E	
500-205255-19	G31S	Total/NA	Water	SM 4500 SO4 E	
500-205255-20	DUP	Total/NA	Water	SM 4500 SO4 E	
500-205255-21	R32S	Total/NA	Water	SM 4500 SO4 E	

Eurofins TestAmerica, Chicago

QC Association Summary

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

General Chemistry (Continued)

Analysis Batch: 621988 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-621988/15	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-621988/16	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-205255-7 MS	G48S	Total/NA	GW	SM 4500 SO4 E	
500-205255-7 MSD	G48S	Total/NA	GW	SM 4500 SO4 E	

Analysis Batch: 622363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-10	G20S	Total/NA	Water	SM 4500 F C	
500-205255-11	G45S	Total/NA	Water	SM 4500 F C	
500-205255-12	T01S	Total/NA	Water	SM 4500 F C	
500-205255-14	G30S	Total/NA	Water	SM 4500 F C	
500-205255-16	G46S	Total/NA	Water	SM 4500 F C	
500-205255-17	G44S	Total/NA	Water	SM 4500 F C	
500-205255-18	R08S	Total/NA	GW	SM 4500 F C	
500-205255-19	G31S	Total/NA	Water	SM 4500 F C	
500-205255-20	DUP	Total/NA	Water	SM 4500 F C	
500-205255-21	R32S	Total/NA	Water	SM 4500 F C	
MB 500-622363/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-622363/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-205255-10 MS	G20S	Total/NA	Water	SM 4500 F C	
500-205255-10 MSD	G20S	Total/NA	Water	SM 4500 F C	

Field Service / Mobile Lab

Analysis Batch: 619313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-1	T02S	Total/NA	Water	Field Sampling	
500-205255-2	T08S	Total/NA	Water	Field Sampling	
500-205255-3	T09S	Total/NA	Water	Field Sampling	
500-205255-4	T06S	Total/NA	Water	Field Sampling	
500-205255-5	T05S	Total/NA	Water	Field Sampling	
500-205255-6	T03S	Total/NA	Water	Field Sampling	
500-205255-7	G48S	Total/NA	GW	Field Sampling	
500-205255-8	G47S	Total/NA	GW	Field Sampling	
500-205255-9	G33S	Total/NA	Water	Field Sampling	
500-205255-10	G20S	Total/NA	Water	Field Sampling	
500-205255-11	G45S	Total/NA	Water	Field Sampling	
500-205255-12	T01S	Total/NA	Water	Field Sampling	
500-205255-14	G30S	Total/NA	Water	Field Sampling	
500-205255-15	T04S	Total/NA	Water	Field Sampling	
500-205255-16	G46S	Total/NA	Water	Field Sampling	
500-205255-17	G44S	Total/NA	Water	Field Sampling	
500-205255-18	R08S	Total/NA	GW	Field Sampling	
500-205255-19	G31S	Total/NA	Water	Field Sampling	
500-205255-20	DUP	Total/NA	Water	Field Sampling	
500-205255-21	R32S	Total/NA	Water	Field Sampling	

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-619932/1-A
Matrix: Water
Analysis Batch: 620493

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 619932

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		09/23/21 08:26	09/27/21 12:35	1

Lab Sample ID: LCS 500-619932/2-A
Matrix: Water
Analysis Batch: 620493

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 619932

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lithium	0.500	0.514		mg/L		103	80 - 120

Lab Sample ID: 500-205255-1 MS
Matrix: Water
Analysis Batch: 620493

Client Sample ID: T02S
Prep Type: Total Recoverable
Prep Batch: 619932

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lithium	0.039		0.500	0.566		mg/L		105	75 - 125

Lab Sample ID: 500-205255-1 MSD
Matrix: Water
Analysis Batch: 620493

Client Sample ID: T02S
Prep Type: Total Recoverable
Prep Batch: 619932

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lithium	0.039		0.500	0.557		mg/L		104	75 - 125	2	20

Lab Sample ID: 500-205255-1 DU
Matrix: Water
Analysis Batch: 620493

Client Sample ID: T02S
Prep Type: Total Recoverable
Prep Batch: 619932

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	0.039		0.0390		mg/L		0.2	20

Lab Sample ID: MB 500-620138/1-A
Matrix: Water
Analysis Batch: 620501

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 620138

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		09/24/21 08:29	09/27/21 13:31	1

Lab Sample ID: LCS 500-620138/2-A
Matrix: Water
Analysis Batch: 620501

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 620138

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lithium	0.500	0.503		mg/L		101	80 - 120

Lab Sample ID: 500-205255-10 MS
Matrix: Water
Analysis Batch: 620501

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 620138

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lithium	0.042		0.500	0.568		mg/L		105	75 - 125

Euofins TestAmerica, Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Method: 6010C - Metals (ICP)

Lab Sample ID: 500-205255-10 MSD
Matrix: Water
Analysis Batch: 620501

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 620138

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lithium	0.042		0.500	0.563		mg/L		104	75 - 125	1	20

Lab Sample ID: 500-205255-10 DU
Matrix: Water
Analysis Batch: 620501

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 620138

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	0.042		0.0423		mg/L		2	20

Lab Sample ID: MB 500-620630/1-A
Matrix: Water
Analysis Batch: 622179

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 620630

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		09/28/21 09:40	10/06/21 11:15	1

Lab Sample ID: LCS 500-620630/2-A
Matrix: Water
Analysis Batch: 622179

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 620630

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lithium	0.500	0.550		mg/L		110	80 - 120

Lab Sample ID: MB 500-621782/1-A
Matrix: Water
Analysis Batch: 622055

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 621782

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		10/05/21 10:01	10/05/21 23:57	1

Lab Sample ID: LCS 500-621782/2-A
Matrix: Water
Analysis Batch: 622055

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 621782

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lithium	0.500	0.538		mg/L		108	80 - 120

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-619932/1-A
Matrix: Water
Analysis Batch: 620228

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 619932

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/23/21 08:26	09/24/21 12:09	1
Arsenic	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 12:09	1
Barium	<0.0025		0.0025		mg/L		09/23/21 08:26	09/24/21 12:09	1
Beryllium	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 12:09	1
Boron	<0.0050		0.0050		mg/L		09/23/21 08:26	09/24/21 12:09	1
Cadmium	<0.00050		0.00050		mg/L		09/23/21 08:26	09/24/21 12:09	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

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

Lab Sample ID: MB 500-619932/1-A
Matrix: Water
Analysis Batch: 620228

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 619932

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.20		0.20		mg/L		09/23/21 08:26	09/24/21 12:09	1
Chromium	<0.0050		0.0050		mg/L		09/23/21 08:26	09/24/21 12:09	1
Cobalt	<0.0010		0.0010		mg/L		09/23/21 08:26	09/24/21 12:09	1
Lead	<0.00050		0.00050		mg/L		09/23/21 08:26	09/24/21 12:09	1
Molybdenum	<0.0050		0.0050		mg/L		09/23/21 08:26	09/24/21 12:09	1
Selenium	<0.0025		0.0025		mg/L		09/23/21 08:26	09/24/21 12:09	1
Thallium	<0.0020		0.0020		mg/L		09/23/21 08:26	09/24/21 12:09	1

Lab Sample ID: MB 500-619932/1-A
Matrix: Water
Analysis Batch: 620496

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 619932

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		09/23/21 08:26	09/27/21 12:05	1

Lab Sample ID: LCS 500-619932/2-A
Matrix: Water
Analysis Batch: 620228

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 619932

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.515		mg/L		103	80 - 120
Arsenic	0.100	0.103		mg/L		103	80 - 120
Barium	2.00	2.02		mg/L		101	80 - 120
Beryllium	0.0500	0.0486		mg/L		97	80 - 120
Boron	1.00	0.952		mg/L		95	80 - 120
Cadmium	0.0500	0.0508		mg/L		102	80 - 120
Calcium	10.0	9.67		mg/L		97	80 - 120
Chromium	0.200	0.201		mg/L		100	80 - 120
Cobalt	0.500	0.499		mg/L		100	80 - 120
Lead	0.100	0.109		mg/L		109	80 - 120
Molybdenum	1.00	0.985		mg/L		98	80 - 120
Selenium	0.100	0.104		mg/L		104	80 - 120
Thallium	0.100	0.107		mg/L		107	80 - 120

Lab Sample ID: LCS 500-619932/2-A
Matrix: Water
Analysis Batch: 620496

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 619932

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.00	1.08		mg/L		108	80 - 120

Lab Sample ID: 500-205255-1 MS
Matrix: Water
Analysis Batch: 620228

Client Sample ID: T02S
Prep Type: Total Recoverable
Prep Batch: 619932

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.0030		0.500	0.521		mg/L		104	75 - 125
Arsenic	0.0089		0.100	0.113		mg/L		104	75 - 125
Barium	0.071	V	2.00	2.01		mg/L		97	75 - 125
Beryllium	<0.0010		0.0500	0.0450		mg/L		90	75 - 125

Euofins TestAmerica, Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

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

Lab Sample ID: 500-205255-1 MS
Matrix: Water
Analysis Batch: 620228

Client Sample ID: T02S
Prep Type: Total Recoverable
Prep Batch: 619932

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	<0.00050		0.0500	0.0499		mg/L		100	75 - 125
Calcium	63		10.0	69.7	4	mg/L		64	75 - 125
Chromium	<0.0050		0.200	0.191		mg/L		96	75 - 125
Cobalt	0.0022		0.500	0.476		mg/L		95	75 - 125
Lead	0.0016		0.100	0.106		mg/L		104	75 - 125
Molybdenum	0.48		1.00	1.46		mg/L		98	75 - 125
Selenium	<0.0025		0.100	0.103		mg/L		103	75 - 125
Thallium	<0.0020		0.100	0.102		mg/L		102	75 - 125

Lab Sample ID: 500-205255-1 MS
Matrix: Water
Analysis Batch: 620496

Client Sample ID: T02S
Prep Type: Total Recoverable
Prep Batch: 619932

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	5.0		1.00	5.85	4	mg/L		88	75 - 125

Lab Sample ID: 500-205255-1 MSD
Matrix: Water
Analysis Batch: 620228

Client Sample ID: T02S
Prep Type: Total Recoverable
Prep Batch: 619932

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	<0.0030		0.500	0.532		mg/L		106	75 - 125	2	20
Arsenic	0.0089		0.100	0.116		mg/L		107	75 - 125	2	20
Barium	0.071	V	2.00	2.03		mg/L		98	75 - 125	1	20
Beryllium	<0.0010		0.0500	0.0481		mg/L		96	75 - 125	7	20
Cadmium	<0.00050		0.0500	0.0503		mg/L		101	75 - 125	1	20
Calcium	63		10.0	70.0	4	mg/L		68	75 - 125	0	20
Chromium	<0.0050		0.200	0.192		mg/L		96	75 - 125	0	20
Cobalt	0.0022		0.500	0.477		mg/L		95	75 - 125	0	20
Lead	0.0016		0.100	0.106		mg/L		104	75 - 125	0	20
Molybdenum	0.48		1.00	1.48		mg/L		100	75 - 125	1	20
Selenium	<0.0025		0.100	0.106		mg/L		106	75 - 125	2	20
Thallium	<0.0020		0.100	0.103		mg/L		103	75 - 125	1	20

Lab Sample ID: 500-205255-1 MSD
Matrix: Water
Analysis Batch: 620496

Client Sample ID: T02S
Prep Type: Total Recoverable
Prep Batch: 619932

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Boron	5.0		1.00	5.74	4	mg/L		76	75 - 125	2	20

Lab Sample ID: 500-205255-1 DU
Matrix: Water
Analysis Batch: 620228

Client Sample ID: T02S
Prep Type: Total Recoverable
Prep Batch: 619932

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	0.0089		0.00899		mg/L		0.6	20
Barium	0.071	V	0.0713		mg/L		0.4	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20

Eurofins TestAmerica, Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

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

Lab Sample ID: 500-205255-1 DU
Matrix: Water
Analysis Batch: 620228

Client Sample ID: T02S
Prep Type: Total Recoverable
Prep Batch: 619932

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	63		62.9		mg/L		0.5	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	0.0022		0.00213		mg/L		2	20
Lead	0.0016		0.00150		mg/L		5	20
Molybdenum	0.48		0.478		mg/L		0.8	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: 500-205255-1 DU
Matrix: Water
Analysis Batch: 620496

Client Sample ID: T02S
Prep Type: Total Recoverable
Prep Batch: 619932

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Boron	5.0		4.90		mg/L		1	20

Lab Sample ID: MB 500-620138/1-A
Matrix: Water
Analysis Batch: 620424

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 620138

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/24/21 08:29	09/24/21 18:10	1
Arsenic	<0.0010		0.0010		mg/L		09/24/21 08:29	09/24/21 18:10	1
Barium	<0.0025		0.0025		mg/L		09/24/21 08:29	09/24/21 18:10	1
Beryllium	<0.0010		0.0010		mg/L		09/24/21 08:29	09/24/21 18:10	1
Boron	<0.050		0.050		mg/L		09/24/21 08:29	09/24/21 18:10	1
Cadmium	<0.00050		0.00050		mg/L		09/24/21 08:29	09/24/21 18:10	1
Calcium	<0.20		0.20		mg/L		09/24/21 08:29	09/24/21 18:10	1
Chromium	<0.0050		0.0050		mg/L		09/24/21 08:29	09/24/21 18:10	1
Cobalt	<0.0010		0.0010		mg/L		09/24/21 08:29	09/24/21 18:10	1
Lead	<0.00050		0.00050		mg/L		09/24/21 08:29	09/24/21 18:10	1
Molybdenum	<0.0050		0.0050		mg/L		09/24/21 08:29	09/24/21 18:10	1
Selenium	<0.0025		0.0025		mg/L		09/24/21 08:29	09/24/21 18:10	1
Thallium	<0.0020		0.0020		mg/L		09/24/21 08:29	09/24/21 18:10	1

Lab Sample ID: LCS 500-620138/2-A
Matrix: Water
Analysis Batch: 620424

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 620138

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	0.0988		mg/L		99	80 - 120
Barium	2.00	1.97		mg/L		98	80 - 120
Beryllium	0.0500	0.0470		mg/L		94	80 - 120
Boron	1.00	0.962		mg/L		96	80 - 120
Cadmium	0.0500	0.0490		mg/L		98	80 - 120
Calcium	10.0	9.65		mg/L		97	80 - 120
Chromium	0.200	0.200		mg/L		100	80 - 120
Cobalt	0.500	0.497		mg/L		99	80 - 120

Euofins TestAmerica, Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

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

Lab Sample ID: LCS 500-620138/2-A
Matrix: Water
Analysis Batch: 620424

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 620138

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.100	0.104		mg/L		104	80 - 120
Molybdenum	1.00	0.958		mg/L		96	80 - 120
Selenium	0.100	0.101		mg/L		101	80 - 120
Thallium	0.100	0.105		mg/L		105	80 - 120

Lab Sample ID: 500-205255-10 MS
Matrix: Water
Analysis Batch: 620424

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 620138

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.0030		0.500	0.528		mg/L		106	75 - 125
Arsenic	<0.0010		0.100	0.104		mg/L		104	75 - 125
Barium	0.050		2.00	2.08		mg/L		101	75 - 125
Beryllium	<0.0010		0.0500	0.0477		mg/L		95	75 - 125
Boron	1.3		1.00	2.26		mg/L		100	75 - 125
Cadmium	<0.00050		0.0500	0.0496		mg/L		99	75 - 125
Calcium	57		10.0	65.8	4	mg/L		86	75 - 125
Chromium	<0.0050		0.200	0.205		mg/L		102	75 - 125
Cobalt	<0.0010		0.500	0.497		mg/L		99	75 - 125
Lead	<0.00050		0.100	0.106		mg/L		106	75 - 125
Molybdenum	0.024		1.00	1.03		mg/L		101	75 - 125
Selenium	<0.0025		0.100	0.105		mg/L		105	75 - 125
Thallium	<0.0020		0.100	0.107		mg/L		107	75 - 125

Lab Sample ID: 500-205255-10 MSD
Matrix: Water
Analysis Batch: 620424

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 620138

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	<0.0030		0.500	0.533		mg/L		107	75 - 125	1	20
Arsenic	<0.0010		0.100	0.105		mg/L		104	75 - 125	0	20
Barium	0.050		2.00	2.04		mg/L		99	75 - 125	2	20
Beryllium	<0.0010		0.0500	0.0489		mg/L		98	75 - 125	3	20
Boron	1.3		1.00	2.25		mg/L		100	75 - 125	0	20
Cadmium	<0.00050		0.0500	0.0495		mg/L		99	75 - 125	0	20
Calcium	57		10.0	66.5	4	mg/L		93	75 - 125	1	20
Chromium	<0.0050		0.200	0.203		mg/L		101	75 - 125	1	20
Cobalt	<0.0010		0.500	0.493		mg/L		98	75 - 125	1	20
Lead	<0.00050		0.100	0.104		mg/L		104	75 - 125	2	20
Molybdenum	0.024		1.00	1.04		mg/L		102	75 - 125	1	20
Selenium	<0.0025		0.100	0.106		mg/L		106	75 - 125	0	20
Thallium	<0.0020		0.100	0.106		mg/L		106	75 - 125	1	20

Lab Sample ID: 500-205255-10 DU
Matrix: Water
Analysis Batch: 620424

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 620138

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20

Eurofins TestAmerica, Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

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

Lab Sample ID: 500-205255-10 DU
Matrix: Water
Analysis Batch: 620424

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 620138

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.050		0.0499		mg/L		0.5	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Boron	1.3		1.29		mg/L		3	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	57		58.2		mg/L		2	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Molybdenum	0.024		0.0239		mg/L		1	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: MB 500-620630/1-A
Matrix: Water
Analysis Batch: 621086

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 620630

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/28/21 09:40	09/29/21 12:47	1
Arsenic	<0.0010		0.0010		mg/L		09/28/21 09:40	09/29/21 12:47	1
Barium	<0.0025		0.0025		mg/L		09/28/21 09:40	09/29/21 12:47	1
Beryllium	<0.0010	^+	0.0010		mg/L		09/28/21 09:40	09/29/21 12:47	1
Cadmium	<0.00050		0.00050		mg/L		09/28/21 09:40	09/29/21 12:47	1
Calcium	<0.20		0.20		mg/L		09/28/21 09:40	09/29/21 12:47	1
Chromium	<0.0050		0.0050		mg/L		09/28/21 09:40	09/29/21 12:47	1
Cobalt	<0.0010		0.0010		mg/L		09/28/21 09:40	09/29/21 12:47	1
Lead	<0.00050		0.00050		mg/L		09/28/21 09:40	09/29/21 12:47	1
Molybdenum	<0.0050		0.0050		mg/L		09/28/21 09:40	09/29/21 12:47	1
Selenium	<0.0025		0.0025		mg/L		09/28/21 09:40	09/29/21 12:47	1
Thallium	<0.0020		0.0020		mg/L		09/28/21 09:40	09/29/21 12:47	1

Lab Sample ID: MB 500-620630/1-A
Matrix: Water
Analysis Batch: 621159

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 620630

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		09/28/21 09:40	09/30/21 13:31	1
Lithium	<0.0020		0.0020		mg/L		09/28/21 09:40	09/30/21 13:31	1

Lab Sample ID: LCS 500-620630/2-A
Matrix: Water
Analysis Batch: 621086

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 620630

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	0.101		mg/L		101	80 - 120
Barium	2.00	2.05		mg/L		102	80 - 120
Beryllium	0.0500	0.0519	^+	mg/L		104	80 - 120
Cadmium	0.0500	0.0502		mg/L		100	80 - 120

Eurolins TestAmerica, Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

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

Lab Sample ID: LCS 500-620630/2-A
Matrix: Water
Analysis Batch: 621086

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 620630

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	10.0	10.7		mg/L		107	80 - 120
Chromium	0.200	0.206		mg/L		103	80 - 120
Cobalt	0.500	0.516		mg/L		103	80 - 120
Lead	0.100	0.108		mg/L		108	80 - 120
Molybdenum	1.00	0.984		mg/L		98	80 - 120
Selenium	0.100	0.102		mg/L		102	80 - 120
Thallium	0.100	0.105		mg/L		105	80 - 120

Lab Sample ID: LCS 500-620630/2-A
Matrix: Water
Analysis Batch: 621159

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 620630

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.00	1.03		mg/L		103	80 - 120
Lithium	0.500	0.536		mg/L		107	80 - 120

Lab Sample ID: MB 500-621782/1-A
Matrix: Water
Analysis Batch: 622116

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 621782

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		10/05/21 10:01	10/05/21 17:17	1
Arsenic	<0.0010		0.0010		mg/L		10/05/21 10:01	10/05/21 17:17	1
Barium	<0.0025		0.0025		mg/L		10/05/21 10:01	10/05/21 17:17	1
Beryllium	<0.0010		0.0010		mg/L		10/05/21 10:01	10/05/21 17:17	1
Boron	<0.050		0.050		mg/L		10/05/21 10:01	10/05/21 17:17	1
Cadmium	<0.00050		0.00050		mg/L		10/05/21 10:01	10/05/21 17:17	1
Calcium	<0.20		0.20		mg/L		10/05/21 10:01	10/05/21 17:17	1
Chromium	<0.0050		0.0050		mg/L		10/05/21 10:01	10/05/21 17:17	1
Cobalt	<0.0010		0.0010		mg/L		10/05/21 10:01	10/05/21 17:17	1
Lead	<0.00050		0.00050		mg/L		10/05/21 10:01	10/05/21 17:17	1
Molybdenum	<0.0050		0.0050		mg/L		10/05/21 10:01	10/05/21 17:17	1
Selenium	<0.0025		0.0025		mg/L		10/05/21 10:01	10/05/21 17:17	1
Thallium	<0.0020		0.0020		mg/L		10/05/21 10:01	10/05/21 17:17	1

Lab Sample ID: LCS 500-621782/2-A
Matrix: Water
Analysis Batch: 622116

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 621782

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.529		mg/L		106	80 - 120
Arsenic	0.100	0.103		mg/L		103	80 - 120
Barium	2.00	2.03		mg/L		102	80 - 120
Beryllium	0.0500	0.0535		mg/L		107	80 - 120
Boron	1.00	1.05		mg/L		105	80 - 120
Cadmium	0.0500	0.0504		mg/L		101	80 - 120
Calcium	10.0	10.1		mg/L		101	80 - 120
Chromium	0.200	0.211		mg/L		106	80 - 120
Cobalt	0.500	0.529		mg/L		106	80 - 120

Eurofins TestAmerica, Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

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

Lab Sample ID: LCS 500-621782/2-A
 Matrix: Water
 Analysis Batch: 622116

Client Sample ID: Lab Control Sample
 Prep Type: Total Recoverable
 Prep Batch: 621782

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.100	0.109		mg/L		109	80 - 120
Molybdenum	1.00	0.991		mg/L		99	80 - 120
Selenium	0.100	0.0996		mg/L		100	80 - 120
Thallium	0.100	0.107		mg/L		107	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-619095/12-A
 Matrix: Water
 Analysis Batch: 619335

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 619095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/17/21 10:05	09/20/21 08:24	1

Lab Sample ID: LCS 500-619095/13-A
 Matrix: Water
 Analysis Batch: 619335

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 619095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00211		mg/L		105	80 - 120

Lab Sample ID: MB 500-619544/12-A
 Matrix: Water
 Analysis Batch: 619788

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 619544

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/21/21 09:45	09/22/21 08:10	1

Lab Sample ID: LCS 500-619544/31-A
 Matrix: Water
 Analysis Batch: 619788

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 619544

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00166		mg/L		83	80 - 120

Lab Sample ID: MB 500-619977/12-A
 Matrix: Water
 Analysis Batch: 620176

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 619977

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/23/21 10:45	09/24/21 08:09	1

Lab Sample ID: LCS 500-619977/13-A
 Matrix: Water
 Analysis Batch: 620176

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 619977

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00220		mg/L		110	80 - 120

Eurofins TestAmerica, Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

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

Lab Sample ID: MB 500-620164/12-A
Matrix: Water
Analysis Batch: 620427

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/24/21 10:15	09/27/21 08:13	1

Lab Sample ID: LCS 500-620164/13-A
Matrix: Water
Analysis Batch: 620427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620164

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00216		mg/L		108	80 - 120

Lab Sample ID: MB 500-620430/12-A
Matrix: Water
Analysis Batch: 620661

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620430

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/21 10:15	09/28/21 07:56	1

Lab Sample ID: LCS 500-620430/13-A
Matrix: Water
Analysis Batch: 620661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620430

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00212		mg/L		106	80 - 120

Lab Sample ID: LCS 500-620430/34-A
Matrix: Water
Analysis Batch: 620661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620430

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00189		mg/L		94	80 - 120

Lab Sample ID: MB 500-620644/12-A
Matrix: Water
Analysis Batch: 620878

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620644

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/28/21 09:50	09/29/21 10:03	1

Lab Sample ID: LCS 500-620644/13-A
Matrix: Water
Analysis Batch: 620878

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620644

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00211		mg/L		106	80 - 120

Lab Sample ID: MB 500-621503/12-A
Matrix: Water
Analysis Batch: 621875

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 621503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		10/04/21 10:30	10/05/21 08:29	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LCS 500-621503/13-A
 Matrix: Water
 Analysis Batch: 621875

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 621503
 %Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00200	0.00214		mg/L		107	80 - 120

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

Lab Sample ID: MB 500-618819/1
 Matrix: Water
 Analysis Batch: 618819

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			09/16/21 03:58	1

Lab Sample ID: LCS 500-618819/2
 Matrix: Water
 Analysis Batch: 618819

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Dissolved Solids	250	242		mg/L		97	80 - 120

Lab Sample ID: MB 500-620102/1
 Matrix: Water
 Analysis Batch: 620102

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			09/24/21 07:31	1

Lab Sample ID: LCS 500-620102/2
 Matrix: Water
 Analysis Batch: 620102

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Dissolved Solids	250	238		mg/L		95	80 - 120

Lab Sample ID: 500-205255-4 MS
 Matrix: Water
 Analysis Batch: 620102

Client Sample ID: T06S
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Total Dissolved Solids	380		250	606		mg/L		90	75 - 125

Lab Sample ID: 500-205255-4 DU
 Matrix: Water
 Analysis Batch: 620102

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	380		394		mg/L		4	5

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

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

Lab Sample ID: 500-205255-5 DU
Matrix: Water
Analysis Batch: 620102

Client Sample ID: T05S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1400		1470		mg/L		4	5

Lab Sample ID: MB 500-620775/1
Matrix: Water
Analysis Batch: 620775

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			09/29/21 05:49	1

Lab Sample ID: LCS 500-620775/2
Matrix: Water
Analysis Batch: 620775

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	238		mg/L		95	80 - 120

Lab Sample ID: 500-205255-12 MS
Matrix: Water
Analysis Batch: 620775

Client Sample ID: T01S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	800		250	992		mg/L		78	75 - 125

Lab Sample ID: 500-205255-12 DU
Matrix: Water
Analysis Batch: 620775

Client Sample ID: T01S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	800		832		mg/L		4	5

Lab Sample ID: 500-205255-14 DU
Matrix: Water
Analysis Batch: 620775

Client Sample ID: G30S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1100		1060		mg/L		0.9	5

Lab Sample ID: MB 500-621197/1
Matrix: Water
Analysis Batch: 621197

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			10/01/21 02:25	1

Lab Sample ID: LCS 500-621197/2
Matrix: Water
Analysis Batch: 621197

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	242		mg/L		97	80 - 120

Euofins TestAmerica, Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

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

Lab Sample ID: 500-205255-21 MS
Matrix: Water
Analysis Batch: 621197

Client Sample ID: R32S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	970		250	1280		mg/L		121	75 - 125

Lab Sample ID: 500-205255-21 DU
Matrix: Water
Analysis Batch: 621197

Client Sample ID: R32S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	970		938		mg/L		4	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-619947/16
Matrix: Water
Analysis Batch: 619947

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			09/22/21 17:44	1

Lab Sample ID: MB 500-619947/48
Matrix: Water
Analysis Batch: 619947

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			09/22/21 18:05	1

Lab Sample ID: LCS 500-619947/17
Matrix: Water
Analysis Batch: 619947

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		100	85 - 115

Lab Sample ID: LCS 500-619947/49
Matrix: Water
Analysis Batch: 619947

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	20.4		mg/L		102	85 - 115

Lab Sample ID: MB 500-620513/16
Matrix: Water
Analysis Batch: 620513

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			09/27/21 16:16	1

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: LCS 500-620513/17
Matrix: Water
Analysis Batch: 620513

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	20.3		mg/L		102	85 - 115

Lab Sample ID: 500-205255-7 MS
Matrix: GW
Analysis Batch: 620513

Client Sample ID: G48S
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: 500-205255-7 MSD
Matrix: GW
Analysis Batch: 620513

Client Sample ID: G48S
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

Lab Sample ID: MB 500-620702/55
Matrix: Water
Analysis Batch: 620702

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			09/28/21 12:58	1

Lab Sample ID: LCS 500-620702/56
Matrix: Water
Analysis Batch: 620702

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: 500-205255-20 MS
Matrix: Water
Analysis Batch: 620702

Client Sample ID: DUP
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	150		20.0	171	4	mg/L		81	75 - 125

Lab Sample ID: 500-205255-20 MSD
Matrix: Water
Analysis Batch: 620702

Client Sample ID: DUP
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	150		20.0	171	4	mg/L		82	75 - 125	0	20

Lab Sample ID: MB 500-621981/33
Matrix: Water
Analysis Batch: 621981

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			10/05/21 16:30	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: LCS 500-621981/34
Matrix: Water
Analysis Batch: 621981

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: 500-205255-21 MS
Matrix: Water
Analysis Batch: 621981

Client Sample ID: R32S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	62		20.0	78.2		mg/L		80	75 - 125

Lab Sample ID: 500-205255-21 MSD
Matrix: Water
Analysis Batch: 621981

Client Sample ID: R32S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	62		20.0	78.7		mg/L		83	75 - 125	1	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-620050/3
Matrix: Water
Analysis Batch: 620050

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			09/23/21 12:11	1

Lab Sample ID: LCS 500-620050/4
Matrix: Water
Analysis Batch: 620050

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	10.3		mg/L		103	90 - 119

Lab Sample ID: 500-205255-1 MS
Matrix: Water
Analysis Batch: 620050

Client Sample ID: T02S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.44		5.00	5.52		mg/L		102	75 - 125

Lab Sample ID: 500-205255-1 MSD
Matrix: Water
Analysis Batch: 620050

Client Sample ID: T02S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.44		5.00	5.46		mg/L		100	75 - 125	1	20

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MB 500-622363/3
Matrix: Water
Analysis Batch: 622363

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			10/07/21 10:26	1

Lab Sample ID: LCS 500-622363/4
Matrix: Water
Analysis Batch: 622363

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	10.4		mg/L		104	90 - 119

Lab Sample ID: 500-205255-10 MS
Matrix: Water
Analysis Batch: 622363

Client Sample ID: G20S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.76		5.00	5.93		mg/L		103	75 - 125

Lab Sample ID: 500-205255-10 MSD
Matrix: Water
Analysis Batch: 622363

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
Fluoride	0.76		5.00	5.96		mg/L		104	75 - 125	1	20

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-619948/15
Matrix: Water
Analysis Batch: 619948

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			09/22/21 19:04	1

Lab Sample ID: LCS 500-619948/16
Matrix: Water
Analysis Batch: 619948

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: MB 500-621988/15
Matrix: Water
Analysis Batch: 621988

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			10/05/21 17:53	1

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: LCS 500-621988/16
Matrix: Water
Analysis Batch: 621988

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	20.4		mg/L		102	88 - 123

Lab Sample ID: 500-205255-7 MS
Matrix: GW
Analysis Batch: 621988

Client Sample ID: G48S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	440		20.0	457	4	mg/L		84	75 - 125

Lab Sample ID: 500-205255-7 MSD
Matrix: GW
Analysis Batch: 621988

Client Sample ID: G48S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	440		20.0	464	4	mg/L		117	75 - 125	1	20

Eurofins TestAmerica, Chicago

2417 Bond Street
 University Park IL 60484
 Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



eurofins Environmental Testing America

500-205255 COC

Client Information		Sampler: <i>Noel, Trevor B</i>		Lab PM: Mockler Diana J		COC No: 500-94754-41977 2	
Client Contact: Mr Jeffrey James		Phone:		E-Mail: Diana Mockler@Eurofinset.com		Page: 2 of 2	
Company: TestAmerica Laboratories Inc.		PWSID:		Analysis Requested		Job #: <i>500-205255</i>	
Address: 2417 Bond Street		Due Date Requested:		Field Filtered Sample (Yes or No) <input type="checkbox"/> Perform MS/MSD (Yes or No) <input type="checkbox"/> 903.0 - Standard Target List <input type="checkbox"/> Ra226Ra228_GFPFC - Local Method <input type="checkbox"/> 904.0 - Standard Target List <input type="checkbox"/> 6010C, 6020A <input type="checkbox"/> 2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E <input type="checkbox"/>		Preservation Codes	
City: University Park		TAT Requested (days):				A HCL M Hexane B NaOH N None C - Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J - DI Water V MCAA K EDTA W pH 4-5 L - EDA Z other (specify)	
State/Zip: IL 60484		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No				Other:	
Phone: 779-279-2321(Tel)		PO #: 4502042860				Total Number of containers:	
Email: Jeff James@testamericainc.com		WO #:					
Project Name: Joliet #9 CCR		Project #: 50011504					
Site: Illinois		SSOW#:					
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Total Number of containers
				Preservation Code:			
G01S		---	---		Water		
G03S		---	---		Water		
T04S		---	---		Water		
1 T02S		09/15/21	1029		Water	/ / / / /	
T04S		---	---		Water		
T05S		---	---		Water		
T06S		---	---		Water		
2 T08S		09/15/21	1157		Water	/ / / / /	
3 T09S		09/15/21	1406		Water	/ / / / /	
Possible Hazard Identification		<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"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Deliverable Requested I II III IV Other (specify)				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Special Instructions/QC Requirements							
Empty Kit Relinquished by		Date		Time		Method of Shipment:	
Relinquished by: <i>[Signature]</i>		Date/Time: 09/15/21 1542		Company: TAT		Received by: <i>Stephanie Hemondy</i> Date/Time: 9/15/21 1542 Company: EPA-CHI	
Relinquished by:		Date/Time:		Company:		Received by: Date/Time: Company:	
Relinquished by:		Date/Time:		Company:		Received by: Date/Time: Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <i>24</i>			

Eurofins TestAmerica, Chicago

2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



Env ronme t Testing
Amer ca

Client Information		Sampler: <i>Noe L., Travis B.</i>		Lab PM: Mockler Diana J		Carrier Tracking No(s)		COC No: 500-94754-41977 1			
Client Contact: Mr Jeffrey James		Phone		E-Mail: Diana Mockler@Eurofinset.com		State of Origin		Page: 1 <i>255</i>			
Company: TestAmerica Laboratories Inc.		PWSID		Analysis Requested						Job #: <i>500-205-483</i>	
Address: 2417 Bond Street		Due Date Requested		Field Filtered Sample (Yes or No) Perform: MS/MSD (Yes or No) 903.0 - Standard Target List Ra226Ra228_GFPC - Local Method 904.0 - Standard Target List 6010C, 6020A 2540C, 4500_F_C, SM4500_C1_E, SM4500_SO4_E		Total Number of containers		Preservation Codes A HCL M Hexane B NaOH N None C - Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F - MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I - Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L - EDA Z other (specify)			
City: University Park		TAT Requested (days)						Special Instructions/Note.			
State, Zip: IL 60484		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No									
Phone: 779-279-2321(Tel)		PO #: 4502042860									
Email: Jeff James@testamericainc.com		WO #:		Project #:		SSOW#:		Project Name: Joliet #9 CCR			
Site: Illinois		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)			
Sample Identification											
<i>41-53 9/20/21</i>											
<i>52</i>											
<i>03</i>											
<i>T065</i>		<i>09/20/21</i>		<i>1000</i>		Water					
<i>T055</i>		<i>09/20/21</i>		<i>1144</i>		Water					
<i>T035</i>		<i>09/20/21</i>		<i>1352</i>		Water					
<i>G485</i>						Water					
<i>G485</i>						Water					
<i>G485</i>						Water					
<i>G485</i>						Water					
<i>T065</i>						Water					
<i>G285</i>						Water					
<i>G485</i>						Water					
Possible Hazard Identification		<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"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
Deliverable Requested I II III IV Other (specify)				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Empty Kit Relinquished by:		Date		Time		Method of Shipment:					
Relinquished by: <i>[Signature]</i>		Date/Time: <i>09/20/21 1452</i>		Company: <i>T72</i>		Received by: <i>[Signature]</i>		Date/Time: <i>9/20/21 1452</i>			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:			
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks. <i>44</i>							



Chain of Custody Record


Client Information		Sampler <i>Noe L., Trevor B.</i>		Lab PM Mockler Diana J		Carrier Tracking No(s)		COC No 500-94754-41977 1					
Client Contact Mr DeAndre Cooley		Phone		E-Mail Diana Mockler@Eurofinset.com		State of Origin		Page Page 1 of 2					
Company Midwest Generation			PWSID			Analysis Requested							
Address Midwest Generation			Due Date Requested			Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0 Standard Target List Ra226Ra228_GFPC Local Method 904.0 Standard Target List 6010C 6020A, 7470A 2540C 4500_F_C_SM4500_Cl_E, SM4500_SO4_E			Job # <i>500-205255</i>				
City Joliet			TAT Requested (days)						Preservation Codes A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify) Other:				
State/Zip IL 60436			Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No										
Phone			PO # 4502042860										
Email			WO #										
Project Name Joliet #9 CCR			Project # 50011504			Total Number of Containers							
Site Illinois			SSOW#										
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 Standard Target List	Ra226Ra228_GFPC Local Method	904.0 Standard Target List	6010C 6020A, 7470A	2540C 4500_F_C_SM4500_Cl_E, SM4500_SO4_E	Special Instructions/Note
10 11		<i>G20S</i>	<i>09/23/21</i>	<i>1945</i>	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		<i>G45S</i>	<i>09/23/21</i>	<i>1249</i>	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Possible Hazard Identification		<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"/> Radiological		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		Date		Time		Method of Shipment:							
Relinquished by <i>TC</i>		Date/Time <i>09/23/21 1350</i>		Company <i>TRC</i>		Received by <i>Shirley Scott</i>		Date/Time <i>9/23/21 1350</i>		Company <i>TRC</i>			
Relinquished by		Date/Time		Company		Received by		Date/Time		Company			
Relinquished by		Date/Time		Company		Received by		Date/Time		Company			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks		<i>21</i>							

Eurofins TestAmerica, Chicago

2417 Bond Street
University Park IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins
Ar a T

Client Information		Sampler <i>Noe L., Trevor B.</i>	Lab PM Mockler Diana J	Carrier Tracking No(s)	COC No 500-94754-41977 1				
Client Contact Mr DeAndre Cooley		Phone	E-Mail Diana Mockler@Eurofinset.com	State of Origin	Page Page 4 of 2				
Company Midwest Generation		PWSID		Analysis Requ					
Address Midwest Generation		Due Date Requested			Job # 500-205255				
City Joliet		TAT Requested (days)				500-205255 COC			
State Zip IL 60436		Compliance Project. Δ Yes Δ No							
Phone		PO # 4502042860							
Email		WO #							
Project Name Joliet #9 CCR		Project # 50011504							
Site Illinois		SSOW#		Total Number of containers	Preservation Codes A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify) Other:				
Sample Identification		Sample Date	Sample Time			Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Special Instructions/Note	
						Preservation Code.	Field Filtered Sample (Yes or No)		
							Perform MS/MSD (Yes or No)		
							903.0 Standard Target List		
							Re226Ra228_GFP_C Local Method		
							904.0 Standard Target List		
							6010C 6020A 7470A		
							2540C 4500_F_C SM4500_CL_E SM4500_SO4_E		
Possible Hazard Identification <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"/> Radiological		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		Date	Time	Method of Shipment					
Relinquished by <i>[Signature]</i>		Date/Time 09/24/21 1402	Company TMC	Received by Stephanie Hernandez		Date/Time 9/24/21 1402	Company ETA-CH		
Relinquished by		Date/Time	Company	Received by		Date/Time	Company		
Relinquished by		Date/Time	Company	Received by		Date/Time	Company		
Custody Seals Intact: Δ Yes Δ No	Custody Seal No			Cooler Temperature(s) °C and Other Remarks 5.2					

12
13
14
15

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

No samples due to no access
Well under property development
Excavation. No sampler

Eurofins TestAmerica, Chicago

2417 Bond Street
University Park IL 60484
Phone (708) 534-5200 Phone (708) 534-5211


Chain of Custody Record



Environment
America

Client Information				Sampler <i>Noe L, Trevor B.</i>	Lab PM Mockler Diana J	Carrier Tracking No(s)	500-205255 COC		
Client Contact: Mr DeAndre Cooley				Phone	E-Mail Diana Mockler@Eurofinset.com	State of Origin	Page Page 1 of 2		
Company Midwest Generation				PWSID	Analysis Requested				
Address Midwest Generation				Due Date Requested	Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)	903.0 Standard Target List Ra226Ra228_GFPC Local Method	904.0 Standard Target List 6010C, 6020A, 7470A 2540C_4500_F_C_SM4500_Cl_E, SM4500_SO4_E		
City Joliet				TAT Requested (days)				Total Number of containers	Preservation Codes A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify)
State/Zip IL 60436				Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No					
Phone				PO # 4502042860					
Email				WO #					
Project Name Joliet #9 CCR				Project # 50011504					
Site Illinois				SSOW#	Job# 500-205255				
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab) <small>BT=Tissue, A=Air</small>	Matrix (W=water, S=solid, O=waste/oil)	Special Instructions/Note			
						Preservation Code.			
<i>16</i>	<i>G465</i>	<i>09/21/21</i>	<i>0904</i>		Water				
<i>17</i>	<i>G445</i>	<i>09/27/21</i>	<i>1016</i>		Water				
<i>18</i>	<i>R085</i>	<i>09/27/21</i>	<i>1105</i>		Water				
<i>19</i>	<i>G315</i>	<i>09/27/21</i>	<i>1258</i>		Water				
<i>20</i>	<i>DUP (of G315)</i>	<i>09/27/21</i>	<i>1258</i>		Water				
					Water				
					Water				
					Water				
					Water				
					Water				
					Water				
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<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"/> Radiological						<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				Date	Time	Method of Shipment:			
Relinquished by <i>[Signature]</i>				Date/Time <i>09/27/21 1416</i>	Company <i>TH</i>	Received by <i>[Signature]</i>	Date/Time <i>9/27/21 1440</i>		
Relinquished by				Date/Time	Company	Received by	Date/Time		
Relinquished by				Date/Time	Company	Received by	Date/Time		
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No			Custody Seal No			Cooler Temperature(s) °C and Other Remarks <i>6.3, 1.4</i>			

Chain of Custody Record

Client Information Client Contact: Mr DeAndre Cooley		Sampler: <u>Noe L, Trevor B.</u>		Lab PM: Mockler Diana J		Carrier Tracking No(s)		COC No: 500-94754-41977 1		
Company: Midwest Generation		PWSID		E-Mail: Diana Mockler@Eurofinset.com		State of Origin		Page: Page 1 of 2		
Address: Midwest Generation		Due Date Requested		Analysis Requested				Job #: <u>500-205255</u>		
City: Joliet		TAT Requested (days)		 500-205255 COC				Preservation Codes A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify)		
State Zip: IL 60436		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No								
Phone		PO #: 4502042860								
Email		WO #								
Project Name: Joliet #9 CCR		Project #: 50011504								
Site: Illinois		SSOW#		Field Filtered Sample (Yes or No)		Total Number of Containers		Other:		
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Perform MS/MSD (Yes or No)	903.0 Standard Target List	904.0 Standard Target List	6010C 6020A 7470A	2540C 4500_F_C SM4500_CL_E, SM4500_SO4_E
				Preservation Code:		<input checked="" type="checkbox"/>	D	D	D	D
21 <u>R325</u>		<u>09/30/21</u>			Water		/	/	/	/
					Water					
					Water					
					Water					
					Water					
					Water					
					Water					
					Water					
					Water					
					Water					
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Special Instructions/Note						
<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"/> Radiological		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		<u>fallen tree removed for access</u>						
Deliverable Requested I II III IV Other (specify)		Special Instructions/QC Requirements								
Empty Kit Relinquished by		Date		Time		Method of Shipment				
Relinquished by <u>[Signature]</u>		Date/Time <u>09/30/21 1015</u>		Company <u>TAC</u>		Received by <u>Stephanus Hernandez</u>		Date/Time <u>9/30/21 1015</u>		Company <u>ETA-Ctr</u>
Relinquished by		Date/Time		Company		Received by		Date/Time		Company
Relinquished by		Date/Time		Company		Received by		Date/Time		Company
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks <u>1.1</u>						

Chain of Custody Record

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Client Information (Sub Contract Lab)
 Client Contact: Mockler, Diana J
 Shipping/Receiving: Diana.Mockler@Eurofins.com
 Company: TestAmerica Laboratories, Inc.
 Address: 13715 Rider Trail North, Illinois
 City: Earth City
 State, Zip: MO, 63045
 Phone: 314-298-8566(Tel) 314-298-8757(Fax)
 Email:
 Project Name: Joliet #9 (Quarry) CCR 3Q21
 Site: NRG Midwest Generation LSQ Joliet #9 CCR

Sampler: Lab PM: Mockler, Diana J
 Phone: E-Mail: Diana.Mockler@Eurofins.com
 State of Origin: Illinois
 Camer Tracking No(s): 500-152668.1
 Page: Page 1 of 1
 Job #: 500-205255-2
 Preservation Codes:
 A - HCL M - Hexane
 B - NaOH N - None
 C - Zn Acetate O - AsNaO2
 D - Nitric Acid P - Na2O4S
 E - NaHSO4 Q - Na2SO3
 F - MeOH R - Na2S2O3
 G - Amchlor S - H2SO4
 H - Ascorbic Acid T - TSP Dodecahydrate
 I - Ice U - Acetone
 J - DI Water V - MCAA
 K - EDTA W - pH 4-5
 L - EDA Z - other (specify)
 Other:

Analysis Requested

Sample ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	90.0/PreSep_21 Standard Target List	90.0/PreSep_0 Standard Target List	Total Number of Containers	Special Instructions/Note:
T06S (500-205255-4)	9/20/21	10:00 Central	Water	Water	X	X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
T05S (500-205255-5)	9/20/21	11:44 Central	Water	Water	X	X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
T03S (500-205255-6)	9/20/21	13:52 Central	Water	Water	X	X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.

Due Date Requested: 10/18/2021
TAT Requested (days):
 PO #:
 WO #:
 Project #: 50011504
 SSOW#:

Accreditations Required (See note): NELAP - Illinois
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:
 Primary Deliverable Rank: 2
 Empty Kit Relinquished by: [Signature]
 Relinquished by: [Signature] Date: 9/21/21 1505
 Relinquished by: [Signature] Date: 9/21/21 1505
 Relinquished by: [Signature] Date: 9/21/21 1505
 Relinquished by: [Signature] Date: 9/21/21 1505

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out sub-contract 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify)
 Empty Kit Relinquished by: [Signature]
 Relinquished by: [Signature] Date: 9/21/21 1505
 Relinquished by: [Signature] Date: 9/21/21 1505
 Relinquished by: [Signature] Date: 9/21/21 1505
 Relinquished by: [Signature] Date: 9/21/21 1505

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

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-205255-1

Login Number: 205255

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Hernandez, Stephanie

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	2.4,4.4,4.1,2.1,5.2,1.1
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	

Lab Chronicle

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: T02S

Lab Sample ID: 500-205255-1

Date Collected: 09/15/21 10:29

Matrix: Water

Date Received: 09/15/21 15:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	620493	09/27/21 12:42	JJB	TAL CHI
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	620228	09/24/21 12:58	FXG	TAL CHI
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	620496	09/27/21 12:12	FXG	TAL CHI
Total/NA	Prep	7470A			619095	09/17/21 10:05	MJG	TAL CHI
Total/NA	Analysis	7470A		1	619335	09/20/21 08:37	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	618819	09/16/21 04:32	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	619947	09/22/21 17:47	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	620050	09/23/21 12:16	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	619948	09/22/21 19:07	MS	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/15/21 10:29	JVB	TAL CHI

Client Sample ID: T08S

Lab Sample ID: 500-205255-2

Date Collected: 09/15/21 11:57

Matrix: Water

Date Received: 09/15/21 15:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	620493	09/27/21 13:04	JJB	TAL CHI
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	620228	09/24/21 13:15	FXG	TAL CHI
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	620496	09/27/21 12:29	FXG	TAL CHI
Total/NA	Prep	7470A			619095	09/17/21 10:05	MJG	TAL CHI
Total/NA	Analysis	7470A		1	619335	09/20/21 08:39	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	618819	09/16/21 04:35	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	619947	09/22/21 18:04	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	620050	09/23/21 12:25	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	619948	09/22/21 19:07	MS	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/15/21 11:57	JVB	TAL CHI

Client Sample ID: T09S

Lab Sample ID: 500-205255-3

Date Collected: 09/15/21 14:06

Matrix: Water

Date Received: 09/15/21 15:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	620493	09/27/21 13:08	JJB	TAL CHI
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	620228	09/24/21 13:19	FXG	TAL CHI
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	620496	09/27/21 12:32	FXG	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: T09S

Lab Sample ID: 500-205255-3

Date Collected: 09/15/21 14:06

Matrix: Water

Date Received: 09/15/21 15:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			619095	09/17/21 10:05	MJG	TAL CHI
Total/NA	Analysis	7470A		1	619335	09/20/21 08:41	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	618819	09/16/21 04:38	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	619947	09/22/21 18:04	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	620050	09/23/21 12:28	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	619948	09/22/21 19:07	MS	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/15/21 14:06	JVB	TAL CHI

Client Sample ID: T06S

Lab Sample ID: 500-205255-4

Date Collected: 09/20/21 10:00

Matrix: Water

Date Received: 09/20/21 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	620493	09/27/21 13:11	JJB	TAL CHI
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	620228	09/24/21 13:22	FXG	TAL CHI
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6020A		5	620496	09/27/21 12:36	FXG	TAL CHI
Total/NA	Prep	7470A			619544	09/21/21 09:45	MJG	TAL CHI
Total/NA	Analysis	7470A		1	619788	09/22/21 09:15	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	620102	09/24/21 07:36	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	619947	09/22/21 18:04	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	620050	09/23/21 12:31	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	619948	09/22/21 19:08	MS	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/20/21 10:00	JVB	TAL CHI

Client Sample ID: T05S

Lab Sample ID: 500-205255-5

Date Collected: 09/20/21 11:44

Matrix: Water

Date Received: 09/20/21 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	620493	09/27/21 13:14	JJB	TAL CHI
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	620228	09/24/21 13:26	FXG	TAL CHI
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6020A		100	620496	09/27/21 12:46	FXG	TAL CHI
Total/NA	Prep	7470A			619544	09/21/21 09:45	MJG	TAL CHI
Total/NA	Analysis	7470A		1	619788	09/22/21 09:17	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	620102	09/24/21 07:43	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	619947	09/22/21 18:13	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	620050	09/23/21 12:34	MS	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: T05S

Lab Sample ID: 500-205255-5

Date Collected: 09/20/21 11:44

Matrix: Water

Date Received: 09/20/21 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 SO4 E		20	619948	09/22/21 19:14	MS	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/20/21 11:44	JVB	TAL CHI

Client Sample ID: T03S

Lab Sample ID: 500-205255-6

Date Collected: 09/20/21 13:52

Matrix: Water

Date Received: 09/20/21 14:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	620493	09/27/21 13:17	JJB	TAL CHI
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	620228	09/24/21 13:29	FXG	TAL CHI
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6020A		5	620496	09/27/21 12:49	FXG	TAL CHI
Total/NA	Prep	7470A			619544	09/21/21 09:45	MJG	TAL CHI
Total/NA	Analysis	7470A		1	619788	09/22/21 09:19	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	620102	09/24/21 07:49	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	619947	09/22/21 18:05	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	620050	09/23/21 12:37	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	619948	09/22/21 19:08	MS	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/20/21 13:52	JVB	TAL CHI

Client Sample ID: G48S

Lab Sample ID: 500-205255-7

Date Collected: 09/22/21 09:55

Matrix: GW

Date Received: 09/22/21 15:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	620493	09/27/21 13:21	JJB	TAL CHI
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	620228	09/24/21 13:39	FXG	TAL CHI
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	620496	09/27/21 12:53	FXG	TAL CHI
Total/NA	Prep	7470A			619977	09/23/21 10:45	MJG	TAL CHI
Total/NA	Analysis	7470A		1	620176	09/24/21 08:42	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	620102	09/24/21 07:51	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	620513	09/27/21 16:16	JMP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	620050	09/23/21 12:50	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	621988	10/05/21 17:54	RES	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/22/21 09:55	JVB	TAL CHI

Lab Chronicle

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: G47S

Lab Sample ID: 500-205255-8

Date Collected: 09/22/21 12:47

Matrix: GW

Date Received: 09/22/21 15:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	620493	09/27/21 13:24	JJB	TAL CHI
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	620228	09/24/21 13:43	FXG	TAL CHI
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	620496	09/27/21 12:56	FXG	TAL CHI
Total/NA	Prep	7470A			619977	09/23/21 10:45	MJG	TAL CHI
Total/NA	Analysis	7470A		1	620176	09/24/21 08:44	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	620102	09/24/21 07:54	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	620513	09/27/21 16:17	JMP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	620050	09/23/21 12:53	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	621988	10/05/21 17:55	RES	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/22/21 12:47	JVB	TAL CHI

Client Sample ID: G33S

Lab Sample ID: 500-205255-9

Date Collected: 09/22/21 14:15

Matrix: Water

Date Received: 09/22/21 15:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	620493	09/27/21 13:27	JJB	TAL CHI
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	620228	09/24/21 13:46	FXG	TAL CHI
Total Recoverable	Prep	3005A			619932	09/23/21 08:26	BDE	TAL CHI
Total Recoverable	Analysis	6020A		5	620496	09/27/21 13:00	FXG	TAL CHI
Total/NA	Prep	7470A			619977	09/23/21 10:45	MJG	TAL CHI
Total/NA	Analysis	7470A		1	620176	09/24/21 08:46	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	620102	09/24/21 07:56	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	620513	09/27/21 16:17	JMP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	620050	09/23/21 12:55	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		3	621988	10/05/21 17:56	RES	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/22/21 14:15	JVB	TAL CHI

Client Sample ID: G20S

Lab Sample ID: 500-205255-10

Date Collected: 09/23/21 09:45

Matrix: Water

Date Received: 09/23/21 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			620138	09/24/21 08:29	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	620501	09/27/21 13:47	JJB	TAL CHI
Total Recoverable	Prep	3005A			620138	09/24/21 08:29	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	620424	09/24/21 18:17	FXG	TAL CHI
Total/NA	Prep	7470A			620164	09/24/21 10:15	MJG	TAL CHI
Total/NA	Analysis	7470A		1	620427	09/27/21 08:49	MJG	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: G20S

Lab Sample ID: 500-205255-10

Date Collected: 09/23/21 09:45

Matrix: Water

Date Received: 09/23/21 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	620102	09/24/21 07:59	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	620513	09/27/21 16:17	JMP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	622363	10/07/21 10:31	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		3	621988	10/05/21 17:56	RES	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/23/21 09:45	JVB	TAL CHI

Client Sample ID: G45S

Lab Sample ID: 500-205255-11

Date Collected: 09/23/21 12:49

Matrix: Water

Date Received: 09/23/21 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			620138	09/24/21 08:29	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	620501	09/27/21 14:03	JJB	TAL CHI
Total Recoverable	Prep	3005A			620138	09/24/21 08:29	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	620424	09/24/21 18:35	FXG	TAL CHI
Total/NA	Prep	7470A			620164	09/24/21 10:15	MJG	TAL CHI
Total/NA	Analysis	7470A		1	620427	09/27/21 08:51	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	620102	09/24/21 08:02	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	620513	09/27/21 16:18	JMP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	622363	10/07/21 10:40	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	621988	10/05/21 17:56	RES	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/23/21 12:49	JVB	TAL CHI

Client Sample ID: T01S

Lab Sample ID: 500-205255-12

Date Collected: 09/24/21 10:33

Matrix: Water

Date Received: 09/24/21 14:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			620630	09/28/21 09:40	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	622179	10/06/21 11:21	JJB	TAL CHI
Total Recoverable	Prep	3005A			620630	09/28/21 09:40	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	621086	09/29/21 13:43	FXG	TAL CHI
Total Recoverable	Prep	3005A			620630	09/28/21 09:40	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	621159	09/30/21 13:41	FXG	TAL CHI
Total/NA	Prep	7470A			620430	09/27/21 10:15	MJG	TAL CHI
Total/NA	Analysis	7470A		1	620661	09/28/21 10:17	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	620775	09/29/21 05:54	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	620513	09/27/21 16:18	JMP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	622363	10/07/21 10:43	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	621988	10/05/21 17:57	RES	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/24/21 10:33	JVB	TAL CHI

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: G30S

Lab Sample ID: 500-205255-14

Date Collected: 09/24/21 12:23

Matrix: Water

Date Received: 09/24/21 14:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			620630	09/28/21 09:40	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	622179	10/06/21 11:25	JJB	TAL CHI
Total Recoverable	Prep	3005A			620630	09/28/21 09:40	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	621086	09/29/21 13:46	FXG	TAL CHI
Total Recoverable	Prep	3005A			620630	09/28/21 09:40	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	621159	09/30/21 13:44	FXG	TAL CHI
Total/NA	Prep	7470A			620430	09/27/21 10:15	MJG	TAL CHI
Total/NA	Analysis	7470A		1	620661	09/28/21 10:19	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	620775	09/29/21 06:01	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	620513	09/27/21 16:19	JMP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	622363	10/07/21 10:46	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	621988	10/05/21 17:58	RES	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/24/21 12:23	JVB	TAL CHI

Client Sample ID: T04S

Lab Sample ID: 500-205255-15

Date Collected: 09/24/21 13:15

Matrix: Water

Date Received: 09/24/21 14:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1	619313	09/24/21 13:15	JVB	TAL CHI

Client Sample ID: G46S

Lab Sample ID: 500-205255-16

Date Collected: 09/27/21 09:04

Matrix: Water

Date Received: 09/27/21 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			620630	09/28/21 09:40	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	621086	09/29/21 13:49	FXG	TAL CHI
Total Recoverable	Prep	3005A			620630	09/28/21 09:40	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	621159	09/30/21 13:48	FXG	TAL CHI
Total/NA	Prep	7470A			620644	09/28/21 09:50	MJG	TAL CHI
Total/NA	Analysis	7470A		1	620878	09/29/21 10:33	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	620775	09/29/21 06:07	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	620702	09/28/21 13:02	JMP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	622363	10/07/21 10:49	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	621988	10/05/21 17:58	RES	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/27/21 09:04	JVB	TAL CHI

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: G44S

Lab Sample ID: 500-205255-17

Date Collected: 09/27/21 10:16

Matrix: Water

Date Received: 09/27/21 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			620630	09/28/21 09:40	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	621086	09/29/21 13:53	FXG	TAL CHI
Total Recoverable	Prep	3005A			620630	09/28/21 09:40	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	621159	09/30/21 13:51	FXG	TAL CHI
Total/NA	Prep	7470A			620644	09/28/21 09:50	MJG	TAL CHI
Total/NA	Analysis	7470A		1	620878	09/29/21 10:35	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	620775	09/29/21 06:09	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	620702	09/28/21 13:03	JMP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	622363	10/07/21 10:52	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	621988	10/05/21 17:58	RES	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/27/21 10:16	JVB	TAL CHI

Client Sample ID: R08S

Lab Sample ID: 500-205255-18

Date Collected: 09/27/21 11:05

Matrix: GW

Date Received: 09/27/21 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			620630	09/28/21 09:40	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	621086	09/29/21 13:56	FXG	TAL CHI
Total Recoverable	Prep	3005A			620630	09/28/21 09:40	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	621159	09/30/21 13:55	FXG	TAL CHI
Total/NA	Prep	7470A			620644	09/28/21 09:50	MJG	TAL CHI
Total/NA	Analysis	7470A		1	620878	09/29/21 10:37	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	620775	09/29/21 06:12	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	620702	09/28/21 13:03	JMP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	622363	10/07/21 11:05	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	621988	10/05/21 18:05	RES	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/27/21 11:05	JVB	TAL CHI

Client Sample ID: G31S

Lab Sample ID: 500-205255-19

Date Collected: 09/27/21 12:58

Matrix: Water

Date Received: 09/27/21 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			620630	09/28/21 09:40	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	621086	09/29/21 14:00	FXG	TAL CHI
Total Recoverable	Prep	3005A			620630	09/28/21 09:40	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	621159	09/30/21 13:58	FXG	TAL CHI
Total/NA	Prep	7470A			620644	09/28/21 09:50	MJG	TAL CHI
Total/NA	Analysis	7470A		1	620878	09/29/21 10:39	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	620775	09/29/21 06:14	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	620702	09/28/21 13:03	JMP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	622363	10/07/21 11:08	EAT	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-1

Client Sample ID: G31S

Lab Sample ID: 500-205255-19

Date Collected: 09/27/21 12:58

Matrix: Water

Date Received: 09/27/21 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 SO4 E		10	621988	10/05/21 17:59	RES	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/27/21 12:58	JVB	TAL CHI

Client Sample ID: DUP

Lab Sample ID: 500-205255-20

Date Collected: 09/27/21 12:58

Matrix: Water

Date Received: 09/27/21 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			620630	09/28/21 09:40	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	621086	09/29/21 14:10	FXG	TAL CHI
Total Recoverable	Prep	3005A			620630	09/28/21 09:40	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	621159	09/30/21 14:02	FXG	TAL CHI
Total/NA	Prep	7470A			620644	09/28/21 09:50	MJG	TAL CHI
Total/NA	Analysis	7470A		1	620878	09/29/21 10:42	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	620775	09/29/21 06:17	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	620702	09/28/21 13:03	JMP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	622363	10/07/21 11:11	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	621988	10/05/21 17:59	RES	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/27/21 12:58	JVB	TAL CHI

Client Sample ID: R32S

Lab Sample ID: 500-205255-21

Date Collected: 09/30/21 09:09

Matrix: Water

Date Received: 09/30/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			621782	10/05/21 10:01	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	622055	10/06/21 00:03	JJB	TAL CHI
Total Recoverable	Prep	3005A			621782	10/05/21 10:01	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	622116	10/05/21 18:39	FXG	TAL CHI
Total Recoverable	Prep	3005A			621782	10/05/21 10:01	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	622203	10/06/21 13:05	FXG	TAL CHI
Total Recoverable	Prep	3005A			621782	10/05/21 10:01	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	622203	10/06/21 13:19	FXG	TAL CHI
Total/NA	Prep	7470A			621503	10/04/21 10:30	MJG	TAL CHI
Total/NA	Analysis	7470A		1	621875	10/05/21 10:37	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	621197	10/01/21 02:30	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		3	621981	10/05/21 16:31	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	622363	10/07/21 11:14	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	621988	10/05/21 18:16	RES	TAL CHI
Total/NA	Analysis	Field Sampling		1	619313	09/30/21 09:09	JVB	TAL CHI

Laboratory References:

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

Eurofins TestAmerica, Chicago

ANALYTICAL REPORT

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

Laboratory Job ID: 500-205255-2
Client Project/Site: Joliet #9 (Quarry) CCR 3Q21

For:
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 1A
Brookfield, Wisconsin 53005

Attn: Richard Gnat



Authorized for release by:
11/22/2021 8:29:34 AM

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

LINKS

Review your project
results through
TotalAccess

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	8
Sample Summary	9
Client Sample Results	10
Definitions	29
QC Association	30
QC Sample Results	32
Chain of Custody	39
Receipt Checklists	53
Chronicle	61
Tracer Carrier Summary	66



Case Narrative

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Job ID: 500-205255-2

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-205255-2

Comments

No additional comments.

Receipt

The samples were received on 9/15/2021 3:42 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 1.1° C, 2.1° C, 2.4° C, 4.1° C, 4.4° C and 5.2° C.

RAD

Methods 903.0, 9315: Radium-226 prep batch 160-529328:

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 (500-205255-16), G44S (500-205255-17), R08S (500-205255-18), G31S (500-205255-19), DUP (500-205255-20), (LCS 160-529328/1-A), (MB 160-529328/26-A), (500-205255-C-16-A DU), (310-215589-D-3-A), (310-215589-D-3-B MS) and (310-215589-C-3-A MSD)

Methods 903.0, 9315:

Method 903.0: Radium-226 prep batch 160-528943:

The Ba carrier recovery is outside the lower control limit (40%) for the following samples: G33S (500-205255-9) and (500-205255-D-1-A DU). There was physical evidence of matrix interference apparent during the initial preparation of the sample. The QC samples associated with the batch have acceptable carrier recovery indicating the presence of matrix interference.

Method 903.0: Radium-226 prep batch 160-528943:

The radium-226 detection goal was not met for the following samples due to the presence of matrix interferences and low carrier recovery: G33S (500-205255-9) and (500-205255-D-1-A DU). Analytical results are reported with the detection limit achieved.

Method 903.0: Radium-226 prep batch 160-528943:

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. T02S (500-205255-1), T08S (500-205255-2), T09S (500-205255-3), T06S (500-205255-4), T05S (500-205255-5), T03S (500-205255-6), G48S (500-205255-7), G47S (500-205255-8), G33S (500-205255-9), G20S (500-205255-10), G45S (500-205255-11), (LCS 160-528943/1-A), (MB 160-528943/23-A) and (500-205255-D-1-A DU)

Methods 903.0, 9315: Radium 226 batch 529134

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.

G30S (500-205255-14), (LCS 160-529134/1-A), (MB 160-529134/25-A), (240-156365-L-1-A), (240-156365-B-1-A MS) and (240-156365-B-1-B MSD)

Methods 903.0, 9315: Radium 226 batch 530144

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.

R32S (500-205255-21), (LCS 160-530144/1-A), (MB 160-530144/24-A), (500-205255-D-21-A DU), (310-216364-C-1-A),

Case Narrative

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Job ID: 500-205255-2 (Continued)

Laboratory: Eurofins TestAmerica, Chicago (Continued)

(310-216364-C-1-B MS) and (310-216364-C-1-C MSD)

Method 903.0: Radium 226 batch 534146

The detection goal was not met for the following sample. Sample was prepped at a reduced volume due to the presence of matrix interferences: T01S (500-205255-12). Analytical results are reported with the detection limit achieved.

Method 903.0: Radium 226 batch 534146

The Barium carrier recovery is outside the lower control limit (40%) for the following sample: T01S (500-205255-12). There was physical evidence of matrix interference apparent during the initial preparation of the sample. The QC samples associated with the batch have acceptable carrier recovery indicating the presence of matrix interference.

Method 903.0: Radium 226 batch 534146

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.

T01S (500-205255-12), (LCS 160-534146/1-A), (LCSD 160-534146/2-A) and (MB 160-534146/4-A)

Methods 904.0, 9320: Radium 228 prep batch 160-530150

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.

R32S (500-205255-21), (500-205255-D-21-B DU), (310-216364-C-1-D), (310-216364-C-1-E MS) and (310-216364-C-1-F MSD)

Method 904.0: Radium 228 batch 529067

The following sample(s) have Barium carrier recoveries below the QC limit indicating a potential increase in the stated uncertainty. Radium 228 was not detected in the samples above the reporting limit; therefore, the results have been reported. Additionally the QC samples associated with the batch have acceptable carrier recovery further indicating the potential presence of matrix interference. : G33S (500-205255-21), (500-205255-D-1-B DU).

Method 904.0: Radium 228 batch 529067

The detection goal was not met for the following sample(s). The samples were prepped at a reduced aliquot due to the presence of matrix interferences : T02S (500-205255-1), G33S (500-205255-9) and (500-205255-D-1-B DU). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium 228 batch 529067

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.

T02S (500-205255-1), T08S (500-205255-2), T09S (500-205255-3), T06S (500-205255-4), T05S (500-205255-5), T03S (500-205255-6), G48S (500-205255-7), G47S (500-205255-8), G33S (500-205255-9), G20S (500-205255-10), G45S (500-205255-11), (LCS 160-529067/1-A), (MB 160-529067/23-A) and (500-205255-D-1-B DU)

Methods 904.0, 9320: Radium-228 prep batch 160-532814:

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 (500-205255-16), G44S (500-205255-17), R08S (500-205255-18), G31S (500-205255-19), DUP (500-205255-20), (LCS 160-532814/1-A), (MB 160-532814/23-A) and (500-205255-E-18-B DU)

Methods 904.0, 9320: Radium-228 prep batch 160-529147:

The method blank (MB) has radium-228 activity above the MDC and RL. The following associated samples have activity below the RL, therefore, re-analysis is not required. The data have been reported.

Case Narrative

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Job ID: 500-205255-2 (Continued)

Laboratory: Eurofins TestAmerica, Chicago (Continued)

(MB 160-529147/25-A) and (240-156365-L-1-B)

Methods 904.0, 9320: Radium-228 prep batch 160-529147:

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. (LCS 160-529147/1-A), (MB 160-529147/25-A), (240-156365-L-1-B), (240-156365-B-1-C MS) and (240-156365-B-1-D MSD)

Method 904.0: Radium 228 batch 534148

The detection goal was not met for the following sample(s). Samples were prepped at a reduced volume due to the presence of matrix interferences. The batch QC (MB) was prepped at a reduced volume as well to match the samples: T01S (500-205255-12) and (MB 160-534148/4-A). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium 228 batch 534148

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.

T01S (500-205255-12), (LCS 160-534148/1-A), (LCSD 160-534148/2-A) and (MB 160-534148/4-A)

Method 904.0: Radium 228 batch 534148

The Barium carrier recovery is outside the lower control limit (40%) for the following sample: T01S (500-205255-12). There was physical evidence of matrix interference apparent during the initial preparation of the sample. The QC samples associated with the batch have acceptable carrier recovery indicating the presence of matrix interference.

Methods 904.0, 9320: Ra-228 batch 160-534484

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. G30S (500-205255-14), (LCS 160-534484/1-A) and (500-205255-D-14-A DU)

Method PrecSep_0: Radium-228 Prep Batch 529067

The following samples were prepared at a reduced aliquot due to Matrix: T02S (500-205255-1), T08S (500-205255-2), T09S (500-205255-3), T06S (500-205255-4), T05S (500-205255-5), G33S (500-205255-9) and (500-205255-D-1 DU). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method PrecSep_0: Radium-228 Prep Batch 529067

Insufficient sample volume was available to perform a sample duplicate for the following samples: T03S (500-205255-6), G48S (500-205255-7), G47S (500-205255-8), G20S (500-205255-10) and G45S (500-205255-11). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep_0: Radium-228 Prep Batch 529147

The following samples were prepared at a reduced aliquot due to Matrix: T01S (500-205255-12), G30S (500-205255-14) and (500-205255-D-12 DU). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method PrecSep_0: Radium-228 Prep Batch 529332

The following samples were prepared at a reduced aliquot due to Matrix: G46S (500-205255-16) and (500-205255-C-16 DU). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Case Narrative

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Job ID: 500-205255-2 (Continued)

Laboratory: Eurofins TestAmerica, Chicago (Continued)

Method PrecSep_0: Radium-228 Prep Batch 529332

Insufficient sample volume was available to perform a sample duplicate for the following samples: G44S (500-205255-17), R08S (500-205255-18), G31S (500-205255-19) and DUP (500-205255-20). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep_0:

Method PrecSep_0: Radium-228 Prep Batch 160-529067:

The barium carrier recovery is outside the lower control limit (40%) for the following samples: G33S (500-205255-9) and (500-205255-D-1 DU). There was physical evidence of matrix interference apparent during the initial preparation of the sample (cloudy appearance documented; sample 500-205255-1 DU required barium seeding to form a significant precipitate). The QC samples associated with the batch have acceptable carrier recovery indicating the presence of matrix interference.

Method PrecSep_0: Radium-228 Prep Batch 160-534148

The following samples were prepared at a reduced aliquot due to Matrix: T01S (500-205255-12). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method PrecSep_0: Radium-228 Prep Batch 160-534148

Insufficient sample volume was available to perform a sample duplicate for the following samples: T01S (500-205255-12). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep_0:

Method PrecSep_0: Radium-226 prep batch 160-534146:

The Barium carrier recovery is outside the lower control limit (40%) for the following sample(s): T01S (500-205255-12). There was physical evidence of matrix interference apparent during the initial preparation of the sample. The QC samples associated with the batch have acceptable carrier recovery indicating the presence of matrix interference.

Method PrecSep-21: Radium-226 Prep Batch 528943

The following samples were prepared at a reduced aliquot due to Matrix: T02S (500-205255-1), T08S (500-205255-2), T09S (500-205255-3), T06S (500-205255-4), T05S (500-205255-5), G33S (500-205255-9) and (500-205255-D-1 DU). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method PrecSep-21: Radium-226 Prep Batch 528943

Insufficient sample volume was available to perform a sample duplicate for the following samples: T03S (500-205255-6), G48S (500-205255-7), G47S (500-205255-8), G20S (500-205255-10) and G45S (500-205255-11). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium-226 Prep Batch 529134

The following samples were prepared at a reduced aliquot due to Matrix: T01S (500-205255-12), G30S (500-205255-14) and (500-205255-D-12 DU).

Method PrecSep-21: Radium-226 Prep Batch 529328

The following samples were prepared at a reduced aliquot due to Matrix: G46S (500-205255-16) and (500-205255-C-16 DU). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method PrecSep-21: Radium-226 Prep Batch 529328

Insufficient sample volume was available to perform a sample duplicate for the following samples: G44S (500-205255-17), R08S (500-205255-18), G31S (500-205255-19) and DUP (500-205255-20). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21:

Case Narrative

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Job ID: 500-205255-2 (Continued)

Laboratory: Eurofins TestAmerica, Chicago (Continued)

Method PrecSep-21: Radium-226 Prep Batch 160-528943:

The barium carrier recovery is outside the lower control limit (40%) for the following samples: G33S (500-205255-9) and (500-205255-D-1 DU). There was physical evidence of matrix interference apparent during the initial preparation of the sample (cloudy appearance documented; sample 500-205255-1 DU required barium seeding to form a significant precipitate). The QC samples associated with the batch have acceptable carrier recovery indicating the presence of matrix interference.

Method PrecSep-21: Radium-226 Prep Batch 160-534145

The following samples were prepared at a reduced aliquot due to Matrix: T01S (500-205255-12). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method PrecSep-21: Radium-226 Prep Batch 160-534145

Insufficient sample volume was available to perform a sample duplicate for the following samples: T01S (500-205255-12). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium-226 prep batch 160-534146:

The Barium carrier recovery is outside the lower control limit (40%) for the following sample(s): T01S (500-205255-12). There was physical evidence of matrix interference apparent during the initial preparation of the sample. The QC samples associated with the batch have acceptable carrier recovery indicating the presence of matrix interference.

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



Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

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

Protocol References:

EPA = US Environmental Protection Agency

None = None

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

Laboratory References:

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



Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-205255-1	T02S	Water	09/15/21 10:29	09/15/21 15:42
500-205255-2	T08S	Water	09/15/21 11:57	09/15/21 15:42
500-205255-3	T09S	Water	09/15/21 14:06	09/15/21 15:42
500-205255-4	T06S	Water	09/20/21 10:00	09/20/21 14:52
500-205255-5	T05S	Water	09/20/21 11:44	09/20/21 14:52
500-205255-6	T03S	Water	09/20/21 13:52	09/20/21 14:52
500-205255-7	G48S	GW	09/22/21 09:55	09/22/21 15:27
500-205255-8	G47S	GW	09/22/21 12:47	09/22/21 15:27
500-205255-9	G33S	Water	09/22/21 14:15	09/22/21 15:27
500-205255-10	G20S	Water	09/23/21 09:45	09/23/21 13:50
500-205255-11	G45S	Water	09/23/21 12:49	09/23/21 13:50
500-205255-12	T01S	Water	09/24/21 10:33	09/24/21 14:02
500-205255-14	G30S	Water	09/24/21 12:23	09/24/21 14:02
500-205255-16	G46S	Water	09/27/21 09:04	09/27/21 14:10
500-205255-17	G44S	Water	09/27/21 10:16	09/27/21 14:10
500-205255-18	R08S	GW	09/27/21 11:05	09/27/21 14:10
500-205255-19	G31S	Water	09/27/21 12:58	09/27/21 14:10
500-205255-20	DUP	Water	09/27/21 12:58	09/27/21 14:10
500-205255-21	R32S	Water	09/30/21 09:09	09/30/21 10:15



Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: T02S

Lab Sample ID: 500-205255-1

Date Collected: 09/15/21 10:29

Matrix: Water

Date Received: 09/15/21 15:42

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.610		0.389	0.393	1.00	0.551	pCi/L	09/27/21 11:35	10/28/21 11:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	53.1		40 - 110					09/27/21 11:35	10/28/21 11:01	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.828	U G	0.660	0.664	1.00	1.04	pCi/L	09/27/21 12:21	10/26/21 17:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	53.1		40 - 110					09/27/21 12:21	10/26/21 17:45	1
Y Carrier	80.0		40 - 110					09/27/21 12:21	10/26/21 17:45	1

Method: 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	1.44		0.766	0.772	5.00	1.04	pCi/L		10/29/21 12:29	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: T08S

Lab Sample ID: 500-205255-2

Date Collected: 09/15/21 11:57

Matrix: Water

Date Received: 09/15/21 15:42

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.167	U	0.210	0.211	1.00	0.349	pCi/L	09/27/21 11:35	10/28/21 11:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		40 - 110					09/27/21 11:35	10/28/21 11:01	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.559	U	0.474	0.477	1.00	0.757	pCi/L	09/27/21 12:21	10/26/21 17:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		40 - 110					09/27/21 12:21	10/26/21 17:45	1
Y Carrier	71.4		40 - 110					09/27/21 12:21	10/26/21 17:45	1

Method: 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	0.726	U	0.518	0.522	5.00	0.757	pCi/L		10/29/21 12:29	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: T09S

Lab Sample ID: 500-205255-3

Date Collected: 09/15/21 14:06

Matrix: Water

Date Received: 09/15/21 15:42

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.63		0.572	0.619	1.00	0.467	pCi/L	09/27/21 11:35	10/28/21 11:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	62.6		40 - 110					09/27/21 11:35	10/28/21 11:02	1

Method: 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	U	0.640	0.646	1.00	0.991	pCi/L	09/27/21 12:21	10/26/21 17:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	62.6		40 - 110					09/27/21 12:21	10/26/21 17:45	1
Y Carrier	80.0		40 - 110					09/27/21 12:21	10/26/21 17:45	1

Method: 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	3.60		0.858	0.895	5.00	0.991	pCi/L		10/29/21 12:29	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: T06S

Lab Sample ID: 500-205255-4

Date Collected: 09/20/21 10:00

Matrix: Water

Date Received: 09/20/21 14:52

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.42		0.386	0.407	1.00	0.378	pCi/L	09/27/21 11:35	10/28/21 11:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		40 - 110					09/27/21 11:35	10/28/21 11:02	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.688	U	0.467	0.472	1.00	0.724	pCi/L	09/27/21 12:21	10/26/21 17:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		40 - 110					09/27/21 12:21	10/26/21 17:45	1
Y Carrier	76.3		40 - 110					09/27/21 12:21	10/26/21 17:45	1

Method: 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	2.11		0.606	0.623	5.00	0.724	pCi/L		10/29/21 12:29	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: T05S

Lab Sample ID: 500-205255-5

Date Collected: 09/20/21 11:44

Matrix: Water

Date Received: 09/20/21 14:52

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.307	U	0.250	0.251	1.00	0.380	pCi/L	09/27/21 11:35	10/28/21 11:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		40 - 110					09/27/21 11:35	10/28/21 11:02	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0869	U	0.416	0.416	1.00	0.729	pCi/L	09/27/21 12:21	10/26/21 17:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		40 - 110					09/27/21 12:21	10/26/21 17:45	1
Y Carrier	77.4		40 - 110					09/27/21 12:21	10/26/21 17:45	1

Method: 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	0.394	U	0.485	0.486	5.00	0.729	pCi/L		10/29/21 12:29	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: T03S

Lab Sample ID: 500-205255-6

Date Collected: 09/20/21 13:52

Matrix: Water

Date Received: 09/20/21 14:52

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.694		0.228	0.236	1.00	0.229	pCi/L	09/27/21 11:35	10/28/21 11:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		40 - 110					09/27/21 11:35	10/28/21 11:02	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.619		0.336	0.341	1.00	0.501	pCi/L	09/27/21 12:21	10/26/21 17:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		40 - 110					09/27/21 12:21	10/26/21 17:45	1
Y Carrier	74.8		40 - 110					09/27/21 12:21	10/26/21 17:45	1

Method: 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	1.31		0.406	0.415	5.00	0.501	pCi/L		10/29/21 12:29	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: G48S

Lab Sample ID: 500-205255-7

Date Collected: 09/22/21 09:55

Matrix: GW

Date Received: 09/22/21 15:27

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.25		0.284	0.306	1.00	0.216	pCi/L	09/27/21 11:35	10/28/21 11:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.2		40 - 110					09/27/21 11:35	10/28/21 11:03	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.895		0.379	0.388	1.00	0.538	pCi/L	09/27/21 12:21	10/26/21 17:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.2		40 - 110					09/27/21 12:21	10/26/21 17:46	1
Y Carrier	69.2		40 - 110					09/27/21 12:21	10/26/21 17:46	1

Method: 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	2.15		0.474	0.494	5.00	0.538	pCi/L		10/29/21 12:29	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: G47S

Lab Sample ID: 500-205255-8

Date Collected: 09/22/21 12:47

Matrix: GW

Date Received: 09/22/21 15:27

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.677		0.228	0.236	1.00	0.237	pCi/L	09/27/21 11:35	10/28/21 11:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		40 - 110					09/27/21 11:35	10/28/21 11:03	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0878	U	0.333	0.333	1.00	0.581	pCi/L	09/27/21 12:21	10/26/21 17:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		40 - 110					09/27/21 12:21	10/26/21 17:46	1
Y Carrier	72.9		40 - 110					09/27/21 12:21	10/26/21 17:46	1

Method: 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	0.764		0.404	0.408	5.00	0.581	pCi/L		10/29/21 12:29	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: G33S

Lab Sample ID: 500-205255-9

Date Collected: 09/22/21 14:15

Matrix: Water

Date Received: 09/22/21 15:27

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.11	U G	1.41	1.41	1.00	2.34	pCi/L	09/27/21 11:35	10/28/21 11:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	15.6	X	40 - 110					09/27/21 11:35	10/28/21 11:03	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.819	U G	3.79	3.79	1.00	6.65	pCi/L	09/27/21 12:21	10/26/21 18:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	15.6	X	40 - 110					09/27/21 12:21	10/26/21 18:01	1
Y Carrier	68.0		40 - 110					09/27/21 12:21	10/26/21 18:01	1

Method: 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	1.93	U G	4.04	4.04	5.00	6.65	pCi/L		10/29/21 12:29	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: G20S

Lab Sample ID: 500-205255-10

Date Collected: 09/23/21 09:45

Matrix: Water

Date Received: 09/23/21 13:50

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.677		0.253	0.260	1.00	0.290	pCi/L	09/27/21 11:35	10/28/21 11:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.9		40 - 110					09/27/21 11:35	10/28/21 11:04	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.29		0.407	0.424	1.00	0.522	pCi/L	09/27/21 12:21	10/26/21 18:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.9		40 - 110					09/27/21 12:21	10/26/21 18:01	1
Y Carrier	71.4		40 - 110					09/27/21 12:21	10/26/21 18:01	1

Method: 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	1.97		0.479	0.497	5.00	0.522	pCi/L		10/29/21 12:29	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: G45S

Lab Sample ID: 500-205255-11

Date Collected: 09/23/21 12:49

Matrix: Water

Date Received: 09/23/21 13:50

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.90		0.390	0.426	1.00	0.298	pCi/L	09/27/21 11:35	10/28/21 11:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.3		40 - 110					09/27/21 11:35	10/28/21 11:04	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.865		0.423	0.431	1.00	0.614	pCi/L	09/27/21 12:21	10/26/21 18:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.3		40 - 110					09/27/21 12:21	10/26/21 18:02	1
Y Carrier	70.7		40 - 110					09/27/21 12:21	10/26/21 18:02	1

Method: 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	2.77		0.575	0.606	5.00	0.614	pCi/L		10/29/21 12:29	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: T01S

Lab Sample ID: 500-205255-12

Date Collected: 09/24/21 10:33

Matrix: Water

Date Received: 09/24/21 14:02

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.86	G	0.857	0.873	1.00	1.06	pCi/L	10/28/21 14:57	11/19/21 08:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	37.0	X	40 - 110					10/28/21 14:57	11/19/21 08:12	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.28	U G	3.62	3.63	1.00	5.94	pCi/L	10/28/21 15:05	11/03/21 18:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	37.0	X	40 - 110					10/28/21 15:05	11/03/21 18:37	1
Y Carrier	69.5		40 - 110					10/28/21 15:05	11/03/21 18:37	1

Method: 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	5.13	U G	3.72	3.73	5.00	5.94	pCi/L		11/20/21 00:17	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: G30S

Lab Sample ID: 500-205255-14

Date Collected: 09/24/21 12:23

Matrix: Water

Date Received: 09/24/21 14:02

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.867		0.219	0.233	1.00	0.195	pCi/L	09/28/21 10:38	10/30/21 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.2		40 - 110					09/28/21 10:38	10/30/21 12:08	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.36		0.330	0.353	1.00	0.387	pCi/L	11/01/21 11:09	11/05/21 12:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	103		40 - 110					11/01/21 11:09	11/05/21 12:43	1
Y Carrier	74.4		40 - 110					11/01/21 11:09	11/05/21 12:43	1

Method: 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	2.23		0.396	0.423	5.00	0.387	pCi/L		11/09/21 17:12	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: G46S

Lab Sample ID: 500-205255-16

Date Collected: 09/27/21 09:04

Matrix: Water

Date Received: 09/27/21 14:10

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.841		0.211	0.224	1.00	0.197	pCi/L	09/29/21 11:13	10/21/21 17:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	105		40 - 110					09/29/21 11:13	10/21/21 17:09	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.695		0.317	0.324	1.00	0.463	pCi/L	10/20/21 10:34	10/26/21 13:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		40 - 110					10/20/21 10:34	10/26/21 13:13	1
Y Carrier	81.5		40 - 110					10/20/21 10:34	10/26/21 13:13	1

Method: 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		0.381	0.394	5.00	0.463	pCi/L		10/29/21 19:17	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: G44S

Lab Sample ID: 500-205255-17

Date Collected: 09/27/21 10:16

Matrix: Water

Date Received: 09/27/21 14:10

Method: 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		0.187	0.195	1.00	0.193	pCi/L	09/29/21 11:13	10/21/21 19:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.0		40 - 110					09/29/21 11:13	10/21/21 19:06	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.558		0.296	0.300	1.00	0.439	pCi/L	10/20/21 10:34	10/26/21 13:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		40 - 110					10/20/21 10:34	10/26/21 13:13	1
Y Carrier	81.5		40 - 110					10/20/21 10:34	10/26/21 13:13	1

Method: 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	1.19		0.350	0.358	5.00	0.439	pCi/L		10/29/21 19:17	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: R08S

Lab Sample ID: 500-205255-18

Date Collected: 09/27/21 11:05

Matrix: GW

Date Received: 09/27/21 14:10

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.824		0.170	0.185	1.00	0.124	pCi/L	09/29/21 11:13	10/21/21 19:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		40 - 110					09/29/21 11:13	10/21/21 19:07	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.405	U	0.311	0.314	1.00	0.492	pCi/L	10/20/21 10:34	10/26/21 13:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.5		40 - 110					10/20/21 10:34	10/26/21 13:13	1
Y Carrier	81.9		40 - 110					10/20/21 10:34	10/26/21 13:13	1

Method: 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	1.23		0.354	0.364	5.00	0.492	pCi/L		10/29/21 19:17	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: G31S

Lab Sample ID: 500-205255-19

Date Collected: 09/27/21 12:58

Matrix: Water

Date Received: 09/27/21 14:10

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.24		0.271	0.338	1.00	0.115	pCi/L	09/29/21 11:13	10/21/21 19:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		40 - 110					09/29/21 11:13	10/21/21 19:07	1

Method: 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		0.366	0.383	1.00	0.477	pCi/L	10/20/21 10:34	10/26/21 13:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		40 - 110					10/20/21 10:34	10/26/21 13:14	1
Y Carrier	81.5		40 - 110					10/20/21 10:34	10/26/21 13:14	1

Method: 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	3.47		0.455	0.511	5.00	0.477	pCi/L		10/29/21 19:17	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: DUP

Lab Sample ID: 500-205255-20

Date Collected: 09/27/21 12:58

Matrix: Water

Date Received: 09/27/21 14:10

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.26		0.265	0.334	1.00	0.110	pCi/L	09/29/21 11:13	10/21/21 19:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.3		40 - 110					09/29/21 11:13	10/21/21 19:07	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.184	U	0.300	0.301	1.00	0.505	pCi/L	10/20/21 10:34	10/26/21 13:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.3		40 - 110					10/20/21 10:34	10/26/21 13:14	1
Y Carrier	81.5		40 - 110					10/20/21 10:34	10/26/21 13:14	1

Method: 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	2.45		0.400	0.450	5.00	0.505	pCi/L		10/29/21 19:17	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: R32S

Lab Sample ID: 500-205255-21

Date Collected: 09/30/21 09:09

Matrix: Water

Date Received: 09/30/21 10:15

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.46		0.253	0.285	1.00	0.171	pCi/L	10/05/21 12:50	11/01/21 08:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.2		40 - 110					10/05/21 12:50	11/01/21 08:41	1

Method: 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		0.422	0.432	1.00	0.604	pCi/L	10/05/21 13:45	10/20/21 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.2		40 - 110					10/05/21 13:45	10/20/21 12:22	1
Y Carrier	82.2		40 - 110					10/05/21 13:45	10/20/21 12:22	1

Method: 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	2.45		0.492	0.518	5.00	0.604	pCi/L		11/09/21 17:17	1

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.
X	Carrier is outside acceptance 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: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Rad

Prep Batch: 528943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-1	T02S	Total/NA	Water	PrecSep-21	
500-205255-2	T08S	Total/NA	Water	PrecSep-21	
500-205255-3	T09S	Total/NA	Water	PrecSep-21	
500-205255-4	T06S	Total/NA	Water	PrecSep-21	
500-205255-5	T05S	Total/NA	Water	PrecSep-21	
500-205255-6	T03S	Total/NA	Water	PrecSep-21	
500-205255-7	G48S	Total/NA	GW	PrecSep-21	
500-205255-8	G47S	Total/NA	GW	PrecSep-21	
500-205255-9	G33S	Total/NA	Water	PrecSep-21	
500-205255-10	G20S	Total/NA	Water	PrecSep-21	
500-205255-11	G45S	Total/NA	Water	PrecSep-21	
MB 160-528943/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-528943/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-205255-1 DU	T02S	Total/NA	Water	PrecSep-21	

Prep Batch: 529067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-1	T02S	Total/NA	Water	PrecSep_0	
500-205255-2	T08S	Total/NA	Water	PrecSep_0	
500-205255-3	T09S	Total/NA	Water	PrecSep_0	
500-205255-4	T06S	Total/NA	Water	PrecSep_0	
500-205255-5	T05S	Total/NA	Water	PrecSep_0	
500-205255-6	T03S	Total/NA	Water	PrecSep_0	
500-205255-7	G48S	Total/NA	GW	PrecSep_0	
500-205255-8	G47S	Total/NA	GW	PrecSep_0	
500-205255-9	G33S	Total/NA	Water	PrecSep_0	
500-205255-10	G20S	Total/NA	Water	PrecSep_0	
500-205255-11	G45S	Total/NA	Water	PrecSep_0	
MB 160-529067/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-529067/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-205255-1 DU	T02S	Total/NA	Water	PrecSep_0	

Prep Batch: 529134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-14	G30S	Total/NA	Water	PrecSep-21	
MB 160-529134/25-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-529134/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 529328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-16	G46S	Total/NA	Water	PrecSep-21	
500-205255-17	G44S	Total/NA	Water	PrecSep-21	
500-205255-18	R08S	Total/NA	GW	PrecSep-21	
500-205255-19	G31S	Total/NA	Water	PrecSep-21	
500-205255-20	DUP	Total/NA	Water	PrecSep-21	
MB 160-529328/26-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-529328/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-205255-16 DU	G46S	Total/NA	Water	PrecSep-21	

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Rad

Prep Batch: 530144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-21	R32S	Total/NA	Water	PrecSep-21	
MB 160-530144/24-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-530144/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-205255-21 DU	R32S	Total/NA	Water	PrecSep-21	

Prep Batch: 530150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-21	R32S	Total/NA	Water	PrecSep_0	
MB 160-530150/24-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-530150/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-205255-21 DU	R32S	Total/NA	Water	PrecSep_0	

Prep Batch: 532814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-16	G46S	Total/NA	Water	PrecSep_0	
500-205255-17	G44S	Total/NA	Water	PrecSep_0	
500-205255-18	R08S	Total/NA	GW	PrecSep_0	
500-205255-19	G31S	Total/NA	Water	PrecSep_0	
500-205255-20	DUP	Total/NA	Water	PrecSep_0	
MB 160-532814/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-532814/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-205255-18 DU	R08S	Total/NA	GW	PrecSep_0	

Prep Batch: 534146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-12	T01S	Total/NA	Water	PrecSep-21	
MB 160-534146/4-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-534146/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-534146/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 534148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-12	T01S	Total/NA	Water	PrecSep_0	
MB 160-534148/4-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-534148/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-534148/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 534484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205255-14	G30S	Total/NA	Water	PrecSep_0	
MB 160-534484/8-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-534484/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-205255-14 DU	G30S	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-528943/23-A
Matrix: Water
Analysis Batch: 533986

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528943

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.04434	U	0.153	0.153	1.00	0.285	pCi/L	09/27/21 11:35	10/28/21 15:06	1
Carrier	MB	MB	Limits			Prepared	Analyzed	Dil Fac		
Ba Carrier	%Yield	Qualifier		%Yield	Qualifier					
Ba Carrier	68.2		40 - 110			09/27/21 11:35	10/28/21 15:06	1		

Lab Sample ID: LCS 160-528943/1-A
Matrix: Water
Analysis Batch: 534010

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528943

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.94		1.31	1.00	0.295	pCi/L	96	75 - 125
Carrier	LCS	LCS	Limits			Prepared	Analyzed	Dil Fac	
Ba Carrier	%Yield	Qualifier		%Yield	Qualifier				
Ba Carrier	72.3		40 - 110						

Lab Sample ID: 500-205255-1 DU
Matrix: Water
Analysis Batch: 534010

Client Sample ID: T02S
Prep Type: Total/NA
Prep Batch: 528943

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	0.610		0.9791	U G	0.806	1.00	1.21	pCi/L	0.31	1
Carrier	DU	DU	Limits			Prepared	Analyzed	Dil Fac		
Ba Carrier	%Yield	Qualifier		%Yield	Qualifier					
Ba Carrier	21.2	X	40 - 110							

Lab Sample ID: MB 160-529134/25-A
Matrix: Water
Analysis Batch: 534367

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529134

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.1329	U	0.149	0.149	1.00	0.242	pCi/L	09/28/21 10:38	10/30/21 14:15	1
Carrier	MB	MB	Limits			Prepared	Analyzed	Dil Fac		
Ba Carrier	%Yield	Qualifier		%Yield	Qualifier					
Ba Carrier	86.0		40 - 110			09/28/21 10:38	10/30/21 14:15	1		

Lab Sample ID: LCS 160-529134/1-A
Matrix: Water
Analysis Batch: 534368

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529134

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	8.556		1.04	1.00	0.191	pCi/L	75	75 - 125

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-529134/1-A
Matrix: Water
Analysis Batch: 534368

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529134

		LCS	LCS		
Carrier	%Yield	Qualifier	Limits		
Ba Carrier	69.0		40 - 110		

Lab Sample ID: MB 160-529328/26-A
Matrix: Water
Analysis Batch: 533031

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529328

Analyte	MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-226	0.05536	U	0.0929	0.0931	1.00	0.161	pCi/L	09/29/21 11:13	10/21/21 21:03	1
Carrier		MB	MB	Limits				Prepared	Analyzed	Dil Fac
Ba Carrier		79.1		40 - 110				09/29/21 11:13	10/21/21 21:03	1

Lab Sample ID: LCS 160-529328/1-A
Matrix: Water
Analysis Batch: 533030

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529328

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	
									%Rec	Limits
Radium-226	11.3	11.70		1.22	1.00	0.129	pCi/L	103	75 - 125	
Carrier		LCS	LCS	Limits				Prepared	Analyzed	Dil Fac
Ba Carrier		86.0		40 - 110						

Lab Sample ID: 500-205255-16 DU
Matrix: Water
Analysis Batch: 533031

Client Sample ID: G46S
Prep Type: Total/NA
Prep Batch: 529328

Analyte	Sample		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER	Limit
	Result	Qual								RER	Limit
Radium-226	0.841		0.7710		0.205	1.00	0.154	pCi/L		0.16	1
Carrier		DU	DU	Limits							
Ba Carrier		93.0		40 - 110							

Lab Sample ID: MB 160-530144/24-A
Matrix: Water
Analysis Batch: 534477

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 530144

Analyte	MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-226	0.01049	U	0.0797	0.0797	1.00	0.153	pCi/L	10/05/21 12:50	11/01/21 10:30	1
Carrier		MB	MB	Limits				Prepared	Analyzed	Dil Fac
Ba Carrier		106		40 - 110				10/05/21 12:50	11/01/21 10:30	1

Euofins TestAmerica, Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-530144/1-A
Matrix: Water
Analysis Batch: 534477

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 530144

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
									77	75 - 125	
Radium-226	15.1	11.66		1.23	1.00	0.150	pCi/L	77	75 - 125		
Carrier		LCS %Yield	LCS Qualifier	Limits							
Ba Carrier		102		40 - 110							

Lab Sample ID: 500-205255-21 DU
Matrix: Water
Analysis Batch: 534477

Client Sample ID: R32S
Prep Type: Total/NA
Prep Batch: 530144

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
										0.66
Radium-226	1.46		1.867		0.327	1.00	0.172	pCi/L	0.66	1
Carrier		DU %Yield	DU Qualifier	Limits						
Ba Carrier		90.7		40 - 110						

Lab Sample ID: MB 160-534146/4-A
Matrix: Water
Analysis Batch: 537522

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 534146

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
										1
Radium-226	0.1512	U	0.266	0.266	1.00	0.463	pCi/L	10/28/21 14:57	11/19/21 08:13	1
Carrier		MB %Yield	MB Qualifier	Limits	Prepared		Analyzed		Dil Fac	
Ba Carrier		99.3		40 - 110	10/28/21 14:57		11/19/21 08:13		1	

Lab Sample ID: LCS 160-534146/1-A
Matrix: Water
Analysis Batch: 537522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 534146

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	
									92	75 - 125
Radium-226	45.4	41.95		4.33	1.00	0.465	pCi/L	92	75 - 125	
Carrier		LCS %Yield	LCS Qualifier	Limits						
Ba Carrier		93.5		40 - 110						

Lab Sample ID: LCSD 160-534146/2-A
Matrix: Water
Analysis Batch: 537522

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 534146

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		RER Limit
									94	75 - 125	0.09
Radium-226	45.4	42.71		4.40	1.00	0.496	pCi/L	94	75 - 125	0.09	1

Euofins TestAmerica, Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCSD 160-534146/2-A
Matrix: Water
Analysis Batch: 537522

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 534146

Carrier	LCS D %Yield	LCS D Qualifier	Limits
Ba Carrier	93.5		40 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-529067/23-A
Matrix: Water
Analysis Batch: 533609

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529067

Analyte	MB MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	0.4789	U	0.492	0.494	1.00	0.801	pCi/L	09/27/21 12:21	10/26/21 18:03	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	68.2		40 - 110		09/27/21 12:21	10/26/21 18:03	1			
Y Carrier	66.5		40 - 110		09/27/21 12:21	10/26/21 18:03	1			

Lab Sample ID: LCS 160-529067/1-A
Matrix: Water
Analysis Batch: 533613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529067

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	
									%Rec	Limits
Radium-228	9.21	9.891		1.26	1.00	0.618	pCi/L	107	75 - 125	
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	72.3		40 - 110							
Y Carrier	83.0		40 - 110							

Lab Sample ID: 500-205255-1 DU
Matrix: Water
Analysis Batch: 533613

Client Sample ID: T02S
Prep Type: Total/NA
Prep Batch: 529067

Analyte	Sample Sample		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
	Result	Qual								RER
Radium-228	0.828	U G	0.4942	U G	1.56	1.00	2.71	pCi/L	0.15	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	21.2	X	40 - 110							
Y Carrier	84.1		40 - 110							

Lab Sample ID: MB 160-530150/24-A
Matrix: Water
Analysis Batch: 532801

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 530150

Analyte	MB MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	-0.1754	U	0.239	0.239	1.00	0.461	pCi/L	10/05/21 13:45	10/20/21 12:38	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-530150/24-A
Matrix: Water
Analysis Batch: 532801

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 530150

Carrier	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
Ba Carrier	106		40 - 110	10/05/21 13:45	10/20/21 12:38	1
Y Carrier	87.5		40 - 110	10/05/21 13:45	10/20/21 12:38	1

Lab Sample ID: LCS 160-530150/1-A
Matrix: Water
Analysis Batch: 532816

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 530150

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits

Carrier	LCS LCS		Limits
	%Yield	Qualifier	
Ba Carrier	102		40 - 110
Y Carrier	84.5		40 - 110

Lab Sample ID: 500-205255-21 DU
Matrix: Water
Analysis Batch: 532816

Client Sample ID: R32S
Prep Type: Total/NA
Prep Batch: 530150

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit

Carrier	DU DU		Limits
	%Yield	Qualifier	
Ba Carrier	90.7		40 - 110
Y Carrier	81.9		40 - 110

Lab Sample ID: MB 160-532814/23-A
Matrix: Water
Analysis Batch: 533606

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 532814

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	83.0		40 - 110	10/20/21 10:34	10/26/21 13:20	1
Y Carrier	86.0		40 - 110	10/20/21 10:34	10/26/21 13:20	1

Lab Sample ID: LCS 160-532814/1-A
Matrix: Water
Analysis Batch: 533603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 532814

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-532814/1-A
Matrix: Water
Analysis Batch: 533603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 532814

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	99.3		40 - 110
Y Carrier	81.9		40 - 110

Lab Sample ID: 500-205255-18 DU
Matrix: GW
Analysis Batch: 533607

Client Sample ID: R08S
Prep Type: Total/NA
Prep Batch: 532814

Analyte	Sample		DU	DU	Total	RL	MDC	Unit	RER	Limit
	Result	Qual								
Radium-228	0.405	U	0.5537		0.310	1.00	0.460	pCi/L	0.24	1

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	94.3		40 - 110
Y Carrier	81.9		40 - 110

Lab Sample ID: MB 160-534148/4-A
Matrix: Water
Analysis Batch: 534860

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 534148

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	-0.2162	U G	1.15	1.15	1.00	2.09	pCi/L	10/28/21 15:05	11/03/21 18:37	1

	MB	MB		Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier	Limits			
Ba Carrier	99.3		40 - 110	10/28/21 15:05	11/03/21 18:37	1
Y Carrier	77.4		40 - 110	10/28/21 15:05	11/03/21 18:37	1

Lab Sample ID: LCS 160-534148/1-A
Matrix: Water
Analysis Batch: 534860

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 534148

Analyte	Spike	LCS	LCS	Total	RL	MDC	Unit	%Rec.	%Rec.
Radium-228	36.7	36.19		4.60	1.00	2.37	pCi/L	99	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	93.5		40 - 110
Y Carrier	81.1		40 - 110

Lab Sample ID: LCSD 160-534148/2-A
Matrix: Water
Analysis Batch: 534860

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 534148

Analyte	Spike	LCSD	LCSD	Total	RL	MDC	Unit	%Rec.	%Rec.	RER	Limit
Radium-228	36.7	40.05		5.01	1.00	2.39	pCi/L	109	75 - 125	0.40	1

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCSD 160-534148/2-A
Matrix: Water
Analysis Batch: 534860

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 534148

Carrier	LCSD		Limits
	%Yield	Qualifier	
Ba Carrier	93.5		40 - 110
Y Carrier	75.5		40 - 110

Lab Sample ID: MB 160-534484/8-A
Matrix: Water
Analysis Batch: 535213

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 534484

Analyte	MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared		Analyzed		Dil Fac
	Result	Qualifier										
Radium-228	0.5304		0.312	0.316	1.00	0.469	pCi/L	11/01/21 11:09	11/05/21 12:43		1	
Carrier	MB		Limits	Prepared		Analyzed		Dil Fac				
	%Yield	Qualifier										
Ba Carrier	103		40 - 110	11/01/21 11:09	11/05/21 12:43		1					
Y Carrier	81.9		40 - 110	11/01/21 11:09	11/05/21 12:43		1					

Lab Sample ID: LCS 160-534484/1-A
Matrix: Water
Analysis Batch: 535282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 534484

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	
Radium-228	12.2	13.04		1.53	1.00	0.537	pCi/L	107	75 - 125	
Carrier	LCS		Limits	Prepared		Analyzed		Dil Fac		
	%Yield	Qualifier								
Ba Carrier	93.0		40 - 110	11/01/21 11:09	11/05/21 12:43		1			
Y Carrier	82.2		40 - 110	11/01/21 11:09	11/05/21 12:43		1			

Lab Sample ID: 500-205255-14 DU
Matrix: Water
Analysis Batch: 535213

Client Sample ID: G30S
Prep Type: Total/NA
Prep Batch: 534484

Analyte	Sample		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	
	Result	Qual							RER	Limit
Radium-228	1.36		0.8411		0.331	1.00	0.460	pCi/L	0.76	1
Carrier	DU		Limits	Prepared		Analyzed		Dil Fac		
	%Yield	Qualifier								
Ba Carrier	103		40 - 110	11/01/21 11:09	11/05/21 12:43		1			
Y Carrier	82.2		40 - 110	11/01/21 11:09	11/05/21 12:43		1			

Chain of Custody Record



Client Information				Sampler: <i>Noe L, Trevor B.</i>		Lab PM: Mockler Diana J		Carrier Tracking No(s): 500-205255 COC		Page: 1																							
Client Contact: Mr DeAndre Cooley				Phone:		E-Mail: Diana Mockler@Eurofinset.com		State of Origin:		Page 1 of 2																							
Company: Midwest Generation				PWSID:		Analysis Requested																											
Address: Midwest Generation				Due Date Requested:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Field Filtered Sample (Yes or No)</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Perform MS/MSD (Yes or No)</th> <th colspan="2">903.0 Standard Target List</th> <th colspan="2">904.0 Standard Target List</th> <th colspan="2">6010C, 6020A, 7470A</th> <th colspan="2">2540C 4500_F_C SM4500_Cl_E, SM4500_SO4_E</th> <th rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Number of containers</th> </tr> <tr> <td></td><td></td><td>D</td><td>D</td><td>D</td><td>D</td><td>D</td><td>N</td><td></td><td></td><td></td> </tr> </table>						Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 Standard Target List		904.0 Standard Target List		6010C, 6020A, 7470A		2540C 4500_F_C SM4500_Cl_E, SM4500_SO4_E		Total Number of containers			D	D	D	D	D	N			
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 Standard Target List		904.0 Standard Target List								6010C, 6020A, 7470A		2540C 4500_F_C SM4500_Cl_E, SM4500_SO4_E		Total Number of containers																	
		D	D	D	D							D	N																				
City: Joliet				TAT Requested (days):																													
State/Zip: IL 60436				Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																													
Phone:				PO #: 4502042860																													
Email:				WO #:		Preservation Codes A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify) Other:																											
Project Name: Joliet #9 CCR				Project #: 50011504																													
Site: Illinois				SSOW#:																													
Sample Identification			Sample Date	Sample Time	Sample Type (C=Comp, G=grab)							Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code.	Special Instructions/Note																			
<i>16</i>	<i>G465</i>		<i>09/21/21</i>	<i>0904</i>								Water																					
<i>17</i>	<i>G445</i>		<i>09/27/21</i>	<i>1016</i>		Water																											
<i>18</i>	<i>R085</i>		<i>09/27/21</i>	<i>1105</i>		Water																											
<i>19</i>	<i>G315</i>		<i>09/27/21</i>	<i>1258</i>		Water																											
<i>20</i>	<i>DUP (of G315)</i>		<i>09/27/21</i>	<i>1258</i>		Water																											
Possible Hazard Identification <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"/> Radiological				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				Date		Time		Method of Shipment:																									
Relinquished by <i>[Signature]</i>		Date/Time <i>09/21/21 1416</i>		Company <i>TH</i>		Received by <i>[Signature]</i>		Date/Time <i>9/27/21 1440</i>		Company <i>ETA</i>																							
Relinquished by		Date/Time		Company		Received by		Date/Time		Company																							
Relinquished by		Date/Time		Company		Received by		Date/Time		Company																							
Custody Seals Intact. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks		<i>6.3, 1.4</i>																											

Chain of Custody Record

Client Information		Sampler <i>Noe L, Trevor B.</i>			Lab PM Mockler Diana J			Carrier Tracking No(s)			COC No 500-94754-41977 1		
Client Contact: Mr DeAndre Cooley		Phone			E-Mail Diana Mockler@Eurofinset.com			State of Origin			Page Page 1 of 2		
Company Midwest Generation		PWSID			Analysis Requested			Job # 500-205255			Preservation Codes		
Address Midwest Generation		Due Date Requested			Total Number of Containers			500-205255 COC			A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify) Other:		
City Joliet		TAT Requested (days)			Field Filtered Sample (Yes or No)			903.0 Standard Target List			904.0 Standard Target List		
State Zip IL 60436		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No			Perform MS/MSD (Yes or No)			Ra226Ra228_GFPC Local Method			6010C 6020A 7470A		
Phone		PO # 4502042860			903.0 Standard Target List			2540C 4500_F_C SM4500_C1_E_SM4500_SO4_E			500-205255 COC		
Email		WO #			6010C 6020A 7470A						500-205255 COC		
Project Name Joliet #9 CCR		Project # 50011504			903.0 Standard Target List						500-205255 COC		
Site Illinois		SSOW#			6010C 6020A 7470A						500-205255 COC		
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab) BT=Tissue, A=Air	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 Standard Target List	904.0 Standard Target List	6010C 6020A 7470A	2540C 4500_F_C SM4500_C1_E_SM4500_SO4_E	500-205255 COC	Special Instructions/Note
				Preservation Code:		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
21 R325		09/30/21			Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Fallen tree removed for access
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)								
<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"/> Radiological					<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			Date		Time			Method of Shipment					
Relinquished by <i>[Signature]</i>		Date/Time 09/30/21 1015		Company TAC		Received by Stephanus Hernandez			Date/Time 9/30/21 1015		Company ETA-CTR		
Relinquished by		Date/Time		Company		Received by			Date/Time		Company		
Relinquished by		Date/Time		Company		Received by			Date/Time		Company		
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No			Cooler Temperature(s) °C and Other Remarks 1.1								

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

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Shipping/Receiving		Phone:	Mockler, Diana J	State of Origin: Illinois	500-152527.1
Company: TestAmerica Laboratories, Inc.		E-Mail: Diana.Mockler@Eurofins.com		Page: Job #:	Page 1 of 1
Address: 13715 Rider Trail North,		Accreditations Required (See note): NELAP - Illinois		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Z - other (specify) Other:	
City: Earth City		Analysis Requested			
State, Zip: MO, 63045		Total Number of Containers			
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		903.0/Precep_21 Standard Target List			
Email:		904.0/Precep_0 Standard Target List			
Project Name: Joliet #9 (Quarry) CCR		Field Filtered Sample (Yes or No)			
Site: NRG Midwest Generation LSQ Joliet #9 CCR		Perform MS/MSD (Yes or No)			
Due Date Requested: 10/13/2021		Ra226Ra228_GFPc			
TAT Requested (days):		Special Instructions/Note:			
PO #:		Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.			
WO #:		Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.			
Project #: 50011504		Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.			
SSOW#:		Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.			
Sample Date		Sample Time		Sample Type (C=Comp, G=grab)	
9/15/21		10:29 Central		Water	
9/15/21		11:57 Central		Water	
9/15/21		14:06 Central		Water	
Sample Identification - Client ID (Lab ID)		Preservation Code:		Matrix (W=water, S=solid, O=water/oil, BT=trace, A=air)	
T02S (500-205255-1)		X		Water	
T08S (500-205255-2)		X		Water	
T09S (500-205255-3)		X		Water	

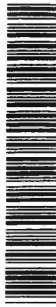
Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2
 Empty Kit Relinquished by: _____ Date: _____ Time: _____
 Relinquished by: *Stephanie Hemondy* Date/Time: 9/15/21 1630 Company: *ETA-CH*
 Relinquished by: *FE* Date/Time: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____
 Custody Seals Intact: _____ Custody Seal No.: _____
 Cooler Temperature(s) °C and Other Remarks: _____

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: _____

Received by: *FE* Date/Time: _____ Company: _____
 Received by: *Diana Mockler* Date/Time: 9/16/21 13:10 Company: *ETA SA*
 Received by: _____ Date/Time: _____ Company: _____



Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Mockler, Diana J		Carrier Tracking No(s): 500-152703.1	
Client Contact: Shipping/Receiving		E-Mail: Diana.Mockler@Eurofinset.com		Page: Page 1 of 1	
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-205255-1	
Address: 13715 Rider Trail North,		Due Date Requested: 10/6/2021		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: 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 Z - other (specify)	
City: Earth City		TAT Requested (days):		Analysis Requested	
State, Zip: MO, 63045		PO #:		Total Number of Containers	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		WO #:		903.0/PreSep_21 Standard Target List	
Email:		Project #: 50011504		904.0/PreSep_0 Standard Target List	
Project Name: Joliet #9 (Quarry) CCR 3Q21		SSOW#:		Perform MS/MSD (Yes or No)	
Site: NRG Midwest Generation LSQ Joliet #9 CCR		Sample Date		Field Filtered Sample (Yes or No)	
Sample Identification - Client ID (Lab ID)		Sample Time		Matrix (If water, Seawater, One-wat, Br-Tissue, A-Ar)	
G48S (500-205255-7)	9/22/21	09:55 Central	Water	X	X
G47S (500-205255-8)	9/22/21	12:47 Central	Water	X	X
G33S (500-205255-9)	9/22/21	14:15 Central	Water	X	X
<p>Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.</p>					
Possible Hazard Identification					
Unconfirmed					
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2					
Empty Kit Relinquished by: _____ Date: _____					
Relinquished by: Stephanie Hemondy Date/Time: 9/22/21 16:30 Company: ETA-CH					
Relinquished by: FE Date/Time: _____ Company: _____					
Relinquished by: Michaela Benning Date/Time: 9/23/21 08:15 Company: ETA SN					
Custody Seals Intact: FE Custody Seal No.: _____					
Cooler Temperature(s) °C and Other Remarks:					



CONDITION UPON RECEIPT FORM

Client: Venco

Initiated by: Aj Date: 11-24-21 Time: 8:53 Shipper: FE Package Quantity: 1

Completed by: _____

Sample must be received at < 6°C for Wet Chem and Mercury. If not, note temp below.
Metal soil samples must be refrigerated upon receipt.
If samples are from West Virginia, please fill out form ADMIN-0031.

Thermometer ID (°C): **IR-2**

Thermometer CF (°C): **+0.7**

	Shipping #(s)	Package Temp (°C)	Document #:
1.	<u>2840 9828 8218</u>	<u>14.1</u>	
2.			
3.			
4.			
5.			
6.			
7.			

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

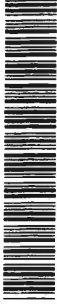
1.	<input checked="" type="radio"/> Y <input type="radio"/> N	Are there custody seals present on the cooler?	8.	Y N	Are there custody seals present on bottles?
2.	Y <input checked="" type="radio"/> N N/A	Do custody seals on cooler appear to be tampered with?	9.	Y N N/A	Do custody seals on bottles appear to be tampered with?
3.	<input checked="" type="radio"/> Y <input type="radio"/> N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N N/A	Was sample received with proper pH? (If not, make note below) pH strip lot #:
4.	<input checked="" type="radio"/> Y <input type="radio"/> N	Sample received with Chain of Custody?	11.	Y N N/A	Containers for Rn-222, C-14, Cl-36, H-3 & I-129/131 marked with "Do Not Preserve" label?
5.	Y N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y N	Sample received in proper containers?
6.	Y N	Was sample received broken?	13.	Y N N/A	Headspace in VOA, or Rn-222 liquid samples? (>6mm) (If Yes, note sample ID's below)
7.	Y N	Is sample volume sufficient for analysis?	14.	Y N N/A	Soil containers for C-14, H-3, Tc-99 & I-129/131 marked with "Do Not Dry" label?

¹ For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, Rn-222 and soils.

Notes:

pH Adjustment (if needed)	Date/Time of Preservation:
Initial pH and pH strip lot#:	Preservative and lot#:
Final pH and pH strip lot#:	Amount of Preservative:

Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Mockler, Diana J		Carrier Tracking No(s): 500-152812.1	
Client Contact: Shipping/Receiving		E-Mail: Diana.Mockler@Eurofinset.com		Page: Page 1 of 1	
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-205255-1	
Address: 13715 Rider Trail North		Due Date Requested: 10/5/2021		Preservation Codes:	
City: Earth City		TAT Requested (days):		A - HCL B - NaOH N - None O - AsNaO2 P - Na2O4S D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice J - DI Water K - EDTA L - EDA Z - other (specify)	
State, Zip: MO, 63045		PO #:		M - Hexane O - AsNaO2 P - Na2O4S R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		WO #:		Other:	
Email:		Project #: 50011504		Total Number of Containers	
Address: 13715 Rider Trail North		SSOW#:		3	
City: Earth City		Sample Date		Special Instructions/Note:	
State, Zip: MO, 63045		9/24/21		Batch QC must be performed (dup, spikes, etc) - no NCMS concerning limited volume;	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		10:33 Central		Batch QC must be performed (dup, spikes, etc) - no NCMS concerning limited volume;	
Email:		9/24/21 Central		Batch QC must be performed (dup, spikes, etc) - no NCMS concerning limited volume;	
Address: 13715 Rider Trail North		Sample Time			
City: Earth City		10:33 Central			
State, Zip: MO, 63045		9/24/21 Central			
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		9/24/21 Central			
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					
Address: 13715 Rider Trail North					
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email:					

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-205255-2

Login Number: 205255

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Hernandez, Stephanie

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	2.4,4.4,4.1,2.1,5.2,1.1
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: KPRG and Associates, Inc.

Job Number: 500-205255-2

Login Number: 205255

List Number: 2

Creator: Korrinhizer, Micha L

List Source: Eurofins TestAmerica, St. Louis

List Creation: 09/17/21 12:19 AM

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: KPRG and Associates, Inc.

Job Number: 500-205255-2

Login Number: 205255

List Number: 3

Creator: Johnson, Autumn R

List Source: Eurofins TestAmerica, St. Louis

List Creation: 09/22/21 05:42 PM

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: KPRG and Associates, Inc.

Job Number: 500-205255-2

Login Number: 205255

List Number: 4

Creator: Johnson, Autumn R

List Source: Eurofins TestAmerica, St. Louis

List Creation: 09/23/21 02:51 PM

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: KPRG and Associates, Inc.

Job Number: 500-205255-2

Login Number: 205255

List Number: 5

Creator: Johnson, Autumn R

List Source: Eurofins TestAmerica, St. Louis

List Creation: 09/24/21 02:40 PM

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: KPRG and Associates, Inc.

Job Number: 500-205255-2

Login Number: 205255

List Number: 6

Creator: Johnson, Autumn R

List Source: Eurofins TestAmerica, St. Louis

List Creation: 09/27/21 02:40 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: KPRG and Associates, Inc.

Job Number: 500-205255-2

Login Number: 205255

List Number: 7

Creator: Korrinhizer, Micha L

List Source: Eurofins TestAmerica, St. Louis

List Creation: 09/28/21 12:18 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: KPRG and Associates, Inc.

Job Number: 500-205255-2

Login Number: 205255

List Number: 8

Creator: Johnson, Autumn R

List Source: Eurofins TestAmerica, St. Louis

List Creation: 10/04/21 04:06 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.	False	

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: T02S

Date Collected: 09/15/21 10:29

Date Received: 09/15/21 15:42

Lab Sample ID: 500-205255-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			528943	09/27/21 11:35	BMP	TAL SL
Total/NA	Analysis	903.0		1	534010	10/28/21 11:01	SCB	TAL SL
Total/NA	Prep	PrecSep_0			529067	09/27/21 12:21	BMP	TAL SL
Total/NA	Analysis	904.0		1	533613	10/26/21 17:45	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	534282	10/29/21 12:29	EMH	TAL SL

Client Sample ID: T08S

Date Collected: 09/15/21 11:57

Date Received: 09/15/21 15:42

Lab Sample ID: 500-205255-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			528943	09/27/21 11:35	BMP	TAL SL
Total/NA	Analysis	903.0		1	534010	10/28/21 11:01	SCB	TAL SL
Total/NA	Prep	PrecSep_0			529067	09/27/21 12:21	BMP	TAL SL
Total/NA	Analysis	904.0		1	533613	10/26/21 17:45	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	534282	10/29/21 12:29	EMH	TAL SL

Client Sample ID: T09S

Date Collected: 09/15/21 14:06

Date Received: 09/15/21 15:42

Lab Sample ID: 500-205255-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			528943	09/27/21 11:35	BMP	TAL SL
Total/NA	Analysis	903.0		1	534010	10/28/21 11:02	SCB	TAL SL
Total/NA	Prep	PrecSep_0			529067	09/27/21 12:21	BMP	TAL SL
Total/NA	Analysis	904.0		1	533613	10/26/21 17:45	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	534282	10/29/21 12:29	EMH	TAL SL

Client Sample ID: T06S

Date Collected: 09/20/21 10:00

Date Received: 09/20/21 14:52

Lab Sample ID: 500-205255-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			528943	09/27/21 11:35	BMP	TAL SL
Total/NA	Analysis	903.0		1	534010	10/28/21 11:02	SCB	TAL SL
Total/NA	Prep	PrecSep_0			529067	09/27/21 12:21	BMP	TAL SL
Total/NA	Analysis	904.0		1	533613	10/26/21 17:45	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	534282	10/29/21 12:29	EMH	TAL SL

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: T05S

Date Collected: 09/20/21 11:44

Date Received: 09/20/21 14:52

Lab Sample ID: 500-205255-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			528943	09/27/21 11:35	BMP	TAL SL
Total/NA	Analysis	903.0		1	534010	10/28/21 11:02	SCB	TAL SL
Total/NA	Prep	PrecSep_0			529067	09/27/21 12:21	BMP	TAL SL
Total/NA	Analysis	904.0		1	533613	10/26/21 17:45	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	534282	10/29/21 12:29	EMH	TAL SL

Client Sample ID: T03S

Date Collected: 09/20/21 13:52

Date Received: 09/20/21 14:52

Lab Sample ID: 500-205255-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			528943	09/27/21 11:35	BMP	TAL SL
Total/NA	Analysis	903.0		1	534010	10/28/21 11:02	SCB	TAL SL
Total/NA	Prep	PrecSep_0			529067	09/27/21 12:21	BMP	TAL SL
Total/NA	Analysis	904.0		1	533613	10/26/21 17:45	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	534282	10/29/21 12:29	EMH	TAL SL

Client Sample ID: G48S

Date Collected: 09/22/21 09:55

Date Received: 09/22/21 15:27

Lab Sample ID: 500-205255-7

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			528943	09/27/21 11:35	BMP	TAL SL
Total/NA	Analysis	903.0		1	534010	10/28/21 11:03	SCB	TAL SL
Total/NA	Prep	PrecSep_0			529067	09/27/21 12:21	BMP	TAL SL
Total/NA	Analysis	904.0		1	533613	10/26/21 17:46	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	534282	10/29/21 12:29	EMH	TAL SL

Client Sample ID: G47S

Date Collected: 09/22/21 12:47

Date Received: 09/22/21 15:27

Lab Sample ID: 500-205255-8

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			528943	09/27/21 11:35	BMP	TAL SL
Total/NA	Analysis	903.0		1	534010	10/28/21 11:03	SCB	TAL SL
Total/NA	Prep	PrecSep_0			529067	09/27/21 12:21	BMP	TAL SL
Total/NA	Analysis	904.0		1	533613	10/26/21 17:46	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	534282	10/29/21 12:29	EMH	TAL SL

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: G33S

Lab Sample ID: 500-205255-9

Date Collected: 09/22/21 14:15

Matrix: Water

Date Received: 09/22/21 15:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			528943	09/27/21 11:35	BMP	TAL SL
Total/NA	Analysis	903.0		1	534010	10/28/21 11:03	SCB	TAL SL
Total/NA	Prep	PrecSep_0			529067	09/27/21 12:21	BMP	TAL SL
Total/NA	Analysis	904.0		1	533609	10/26/21 18:01	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	534282	10/29/21 12:29	EMH	TAL SL

Client Sample ID: G20S

Lab Sample ID: 500-205255-10

Date Collected: 09/23/21 09:45

Matrix: Water

Date Received: 09/23/21 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			528943	09/27/21 11:35	BMP	TAL SL
Total/NA	Analysis	903.0		1	534010	10/28/21 11:04	SCB	TAL SL
Total/NA	Prep	PrecSep_0			529067	09/27/21 12:21	BMP	TAL SL
Total/NA	Analysis	904.0		1	533609	10/26/21 18:01	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	534282	10/29/21 12:29	EMH	TAL SL

Client Sample ID: G45S

Lab Sample ID: 500-205255-11

Date Collected: 09/23/21 12:49

Matrix: Water

Date Received: 09/23/21 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			528943	09/27/21 11:35	BMP	TAL SL
Total/NA	Analysis	903.0		1	534010	10/28/21 11:04	SCB	TAL SL
Total/NA	Prep	PrecSep_0			529067	09/27/21 12:21	BMP	TAL SL
Total/NA	Analysis	904.0		1	533609	10/26/21 18:02	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	534282	10/29/21 12:29	EMH	TAL SL

Client Sample ID: T01S

Lab Sample ID: 500-205255-12

Date Collected: 09/24/21 10:33

Matrix: Water

Date Received: 09/24/21 14:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			534146	10/28/21 14:57	BMP	TAL SL
Total/NA	Analysis	903.0		1	537522	11/19/21 08:12	FLC	TAL SL
Total/NA	Prep	PrecSep_0			534148	10/28/21 15:05	BMP	TAL SL
Total/NA	Analysis	904.0		1	534860	11/03/21 18:37	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	537579	11/20/21 00:17	MLK	TAL SL

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: G30S

Date Collected: 09/24/21 12:23

Date Received: 09/24/21 14:02

Lab Sample ID: 500-205255-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			529134	09/28/21 10:38	BMP	TAL SL
Total/NA	Analysis	903.0		1	534367	10/30/21 12:08	FLC	TAL SL
Total/NA	Prep	PrecSep_0			534484	11/01/21 11:09	BMP	TAL SL
Total/NA	Analysis	904.0		1	535213	11/05/21 12:43	MLK	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	535774	11/09/21 17:12	EMH	TAL SL

Client Sample ID: G46S

Date Collected: 09/27/21 09:04

Date Received: 09/27/21 14:10

Lab Sample ID: 500-205255-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			529328	09/29/21 11:13	BMP	TAL SL
Total/NA	Analysis	903.0		1	533031	10/21/21 17:09	ANW	TAL SL
Total/NA	Prep	PrecSep_0			532814	10/20/21 10:34	BMP	TAL SL
Total/NA	Analysis	904.0		1	533607	10/26/21 13:13	SCB	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	534299	10/29/21 19:17	EMH	TAL SL

Client Sample ID: G44S

Date Collected: 09/27/21 10:16

Date Received: 09/27/21 14:10

Lab Sample ID: 500-205255-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			529328	09/29/21 11:13	BMP	TAL SL
Total/NA	Analysis	903.0		1	533031	10/21/21 19:06	ANW	TAL SL
Total/NA	Prep	PrecSep_0			532814	10/20/21 10:34	BMP	TAL SL
Total/NA	Analysis	904.0		1	533607	10/26/21 13:13	SCB	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	534299	10/29/21 19:17	EMH	TAL SL

Client Sample ID: R08S

Date Collected: 09/27/21 11:05

Date Received: 09/27/21 14:10

Lab Sample ID: 500-205255-18

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			529328	09/29/21 11:13	BMP	TAL SL
Total/NA	Analysis	903.0		1	533030	10/21/21 19:07	ANW	TAL SL
Total/NA	Prep	PrecSep_0			532814	10/20/21 10:34	BMP	TAL SL
Total/NA	Analysis	904.0		1	533607	10/26/21 13:13	SCB	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	534299	10/29/21 19:17	EMH	TAL SL

Lab Chronicle

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Client Sample ID: G31S

Lab Sample ID: 500-205255-19

Date Collected: 09/27/21 12:58

Matrix: Water

Date Received: 09/27/21 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			529328	09/29/21 11:13	BMP	TAL SL
Total/NA	Analysis	903.0		1	533030	10/21/21 19:07	ANW	TAL SL
Total/NA	Prep	PrecSep_0			532814	10/20/21 10:34	BMP	TAL SL
Total/NA	Analysis	904.0		1	533607	10/26/21 13:14	SCB	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	534299	10/29/21 19:17	EMH	TAL SL

Client Sample ID: DUP

Lab Sample ID: 500-205255-20

Date Collected: 09/27/21 12:58

Matrix: Water

Date Received: 09/27/21 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			529328	09/29/21 11:13	BMP	TAL SL
Total/NA	Analysis	903.0		1	533030	10/21/21 19:07	ANW	TAL SL
Total/NA	Prep	PrecSep_0			532814	10/20/21 10:34	BMP	TAL SL
Total/NA	Analysis	904.0		1	533607	10/26/21 13:14	SCB	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	534299	10/29/21 19:17	EMH	TAL SL

Client Sample ID: R32S

Lab Sample ID: 500-205255-21

Date Collected: 09/30/21 09:09

Matrix: Water

Date Received: 09/30/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			530144	10/05/21 12:50	BMP	TAL SL
Total/NA	Analysis	903.0		1	534477	11/01/21 08:41	JCB	TAL SL
Total/NA	Prep	PrecSep_0			530150	10/05/21 13:45	BMP	TAL SL
Total/NA	Analysis	904.0		1	532816	10/20/21 12:22	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	535775	11/09/21 17:17	EMH	TAL SL

Laboratory References:

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

Tracer/Carrier Summary

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

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)	
500-205255-7	G48S	92.2	
500-205255-8	G47S	88.5	
500-205255-18	R08S	90.5	
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)	
500-205255-1	T02S	53.1	
500-205255-1 DU	T02S	21.2 X	
500-205255-2	T08S	90.8	
500-205255-3	T09S	62.6	
500-205255-4	T06S	85.5	
500-205255-5	T05S	85.5	
500-205255-6	T03S	89.7	
500-205255-9	G33S	15.6 X	
500-205255-10	G20S	86.9	
500-205255-11	G45S	76.3	
500-205255-12	T01S	37.0 X	
500-205255-14	G30S	92.2	
500-205255-16	G46S	105	
500-205255-16 DU	G46S	93.0	
500-205255-17	G44S	76.0	
500-205255-19	G31S	89.7	
500-205255-20	DUP	98.3	
500-205255-21	R32S	90.2	
500-205255-21 DU	R32S	90.7	
LCS 160-528943/1-A	Lab Control Sample	72.3	
LCS 160-529134/1-A	Lab Control Sample	69.0	
LCS 160-529328/1-A	Lab Control Sample	86.0	
LCS 160-530144/1-A	Lab Control Sample	102	
LCS 160-534146/1-A	Lab Control Sample	93.5	
LCSD 160-534146/2-A	Lab Control Sample Dup	93.5	
MB 160-528943/23-A	Method Blank	68.2	
MB 160-529134/25-A	Method Blank	86.0	
MB 160-529328/26-A	Method Blank	79.1	
MB 160-530144/24-A	Method Blank	106	
MB 160-534146/4-A	Method Blank	99.3	
Tracer/Carrier Legend			
Ba = Ba Carrier			

Tracer/Carrier Summary

Client: KPRG and Associates, Inc.
 Project/Site: Joliet #9 (Quarry) CCR 3Q21

Job ID: 500-205255-2

Method: 904.0 - Radium-228 (GFPC)

Matrix: GW

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (40-110)	Y (40-110)
500-205255-7	G48S	92.2	69.2
500-205255-8	G47S	88.5	72.9
500-205255-18	R08S	86.5	81.9
500-205255-18 DU	R08S	94.3	81.9

Tracer/Carrier Legend
 Ba = Ba Carrier
 Y = Y Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (40-110)	Y (40-110)
500-205255-1	T02S	53.1	80.0
500-205255-1 DU	T02S	21.2 X	84.1
500-205255-2	T08S	90.8	71.4
500-205255-3	T09S	62.6	80.0
500-205255-4	T06S	85.5	76.3
500-205255-5	T05S	85.5	77.4
500-205255-6	T03S	89.7	74.8
500-205255-9	G33S	15.6 X	68.0
500-205255-10	G20S	86.9	71.4
500-205255-11	G45S	76.3	70.7
500-205255-12	T01S	37.0 X	69.5
500-205255-14	G30S	103	74.4
500-205255-14 DU	G30S	103	82.2
500-205255-16	G46S	95.3	81.5
500-205255-17	G44S	93.3	81.5
500-205255-19	G31S	91.0	81.5
500-205255-20	DUP	92.3	81.5
500-205255-21	R32S	90.2	82.2
500-205255-21 DU	R32S	90.7	81.9
LCS 160-529067/1-A	Lab Control Sample	72.3	83.0
LCS 160-530150/1-A	Lab Control Sample	102	84.5
LCS 160-532814/1-A	Lab Control Sample	99.3	81.9
LCS 160-534148/1-A	Lab Control Sample	93.5	81.1
LCS 160-534484/1-A	Lab Control Sample	93.0	82.2
LCSD 160-534148/2-A	Lab Control Sample Dup	93.5	75.5
MB 160-529067/23-A	Method Blank	68.2	66.5
MB 160-530150/24-A	Method Blank	106	87.5
MB 160-532814/23-A	Method Blank	83.0	86.0
MB 160-534148/4-A	Method Blank	99.3	77.4
MB 160-534484/8-A	Method Blank	103	81.9

Tracer/Carrier Legend
 Ba = Ba Carrier
 Y = Y Carrier