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St. Charles, Missouri 63301
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2235 St. Andrew Drive
Highland Village, Texas 75077
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March 4, 2024

Mr. Michael Smith
Director of Operations
Ritenour School District
2420 Woodson Road
St. Louis, MO 63114

Via: smithm@ritenourschools.org

Re: Lead In Drinking Water Sampling
Kratz Elementary School
January 15, 2024

Dear Michael,

This letter will serve as our report concerning the water sampling conducted at Kratz Elementary School on January 15, 2024, for compliance with the State of Missouri Title XI, Chapter 160.077, "Get The Lead Out of School Drinking Water Act".

Potable water sources for drinking or food preparation such as sinks, faucets, water fountains, ice makers, etc., were identified and first draw water samples were collected after a stagnation period of at least eight hours. Two hundred and fifty milliliter non-preservative plastic containers were utilized for the sample collection. The water samples were analyzed by EPA 200.8 methods at a laboratory accredited for analysis of drinking water by the National Environmental Laboratory Accreditation Program (NELAP) and the Illinois EPA (ILEPA). Results are reported in micrograms per liter ($\mu\text{g/L}$), which is the same as parts per billion (ppb). Water sample results must be less than ($<$) 5.0 $\mu\text{g/L}$ or ppb, per the regulation. Results above 5.0 $\mu\text{g/L}$ require corrective actions.

Seventy-three samples were collected, and the results ranged from less than the laboratory limit of detection of 1.0 (<1.0) $\mu\text{g/L}$ to 22.0 $\mu\text{g/L}$. Five of the results were above the mandated threshold of <5.0 $\mu\text{g/L}$. Corrective actions are warranted for the five locations. If these sources will be taken out of service, the source and the supply pipe should be removed or disconnected as close as possible to the remaining active pipes to minimize any dead-end lines that could allow for bacteria or Legionella growth. Sample locations and laboratory results are contained in the attached table.

Sincerely,

Gregory K. Young
Senior Project Manager

TABLE 1
Lead Sampling Results
Kratz Elementary (January 15, 2024)

Sample ID	Location	Results (µg/L)
KRA-1	2 nd Floor, Boy's Restroom Near Room 200, Left Sink	< 1.00
KRA-2	2 nd Floor, Boy's Restroom Near Room 200, Right Sink	< 1.00
KRA-3	2 nd Floor, Water Fountain Near Room 200	< 1.00
KRA-4	2 nd Floor, Staff Restroom, Sink	< 1.00
KRA-5	2 nd Floor, Girl's Restroom Near Room 206, Left Sink	< 1.00
KRA-6	2 nd Floor, Girl's Restroom Near Room 206, Right Sink	< 1.00
KRA-7	2 nd Floor, Classroom 210, Water Fountain	1.93
KRA-8	2 nd Floor, Classroom 210, Faucet	< 1.00
KRA-9	2 nd Floor, Classroom 212, Water Fountain	2.03
KRA-10	2 nd Floor, Classroom 212, Faucet	< 1.00
KRA-11	2 nd Floor, Classroom 214, Water Fountain	4.84
KRA-12	2 nd Floor, Classroom 214, Faucet	3.45
KRA-13	2 nd Floor, Girl's Restroom Near Room 214, Left Sink	< 1.00
KRA-14	2 nd Floor, Girl's Restroom Near Room 214, Right Sink	< 1.00
KRA-15	2 nd Floor, Water Fountain Near Room 216	< 1.00
KRA-16	2 nd Floor, Boy's Restroom Near Room 216, Left Sink	< 1.00
KRA-17	2 nd Floor, Boy's Restroom Near Room 216, Right Sink	< 1.00
KRA-18	2 nd Floor, Classroom 216, Faucet	4.62
KRA-19	2 nd Floor, Classroom 215, Water Fountain	3.57
KRA-20	2 nd Floor, Classroom 215, Faucet	1.10
KRA-21	1 st Floor, Classroom 100, Water Fountain	2.00
KRA-22	1 st Floor, Classroom 100, Faucet	3.32
KRA-23	1 st Floor, Classroom 100, Restroom, Sink	3.72

Note:

µg/L – micrograms per liter

**TABLE 1 (Continued)
Lead Sampling Results
Kratz Elementary (January 15, 2024)**

Sample ID	Location	Results (µg/L)
KRA-24	1 st Floor, Faculty Lounge, Sink	4.93
KRA-25	1 st Floor, Faculty Lounge, Ice Maker	< 1.00
KRA-26	1 st Floor, Boy's Restroom Near Faculty Lounge, Left Sink	< 1.00
KRA-27	1 st Floor, Boy's Restroom Near Faculty Lounge, Right Sink	< 1.00
KRA-28	1 st Floor, Water Fountain Near Faculty Lounge	< 1.00
KRA-29	1 st Floor, Nurse's Office, Sink	1.61
KRA-30	1 st Floor, Nurse's Office, Restroom, Sink	1.79
KRA-31	1 st Floor, Office Copier Room, Sink	2.09
KRA-32	1 st Floor, Office Restroom, Sink	< 1.00
KRA-33	1 st Floor, Classroom 103, Faucet	4.33
KRA-34	1 st Floor, Classroom 103, Restroom, Sink	< 1.00
KRA-35	1 st Floor, Girl's Restroom Near Library, Left Sink	< 1.00
KRA-36	1 st Floor, Girl's Restroom Near Library, Right Sink	< 1.00
KRA-37	1 st Floor, Classroom 108, Faucet	< 1.00
KRA-38	1 st Floor, Classroom 110, Water Fountain	3.78
KRA-39	1 st Floor, Classroom 110, Faucet	1.75
KRA-40	1 st Floor, Classroom 112, Water Fountain	< 1.00
KRA-41	1 st Floor, Classroom 112, Faucet	< 1.00
KRA-42	1 st Floor, Girl's Restroom Near Room 112, Left Sink	< 1.00
KRA-43	1 st Floor, Girl's Restroom Near Room 112, Right Sink	< 1.00
KRA-44	1 st Floor, Water Fountain Near Room 114	< 1.00
KRA-45	1 st Floor, Boy's Restroom Near Room 114, Left Sink	< 1.00
KRA-46	1 st Floor, Boy's Restroom Near Room 114, Right Sink	< 1.00

Note:

µg/L – micrograms per liter

**TABLE 1 (Continued)
Lead Sampling Results
Kratz Elementary (January 15, 2024)**

Sample ID	Location	Results (µg/L)
KRA-47	1 st Floor, Classroom 114, Water Fountain	1.79
KRA-48	1 st Floor, Classroom 114, Faucet	< 1.00
KRA-49	1 st Floor, Classroom 113, Water Fountain	4.51
KRA-50	1 st Floor, Classroom 113, Faucet	3.13
KRA-51	Ground Floor, Classroom 010, Water Fountain	14.1
KRA-52	Ground Floor, Classroom 010, Faucet	4.64
KRA-53	Ground Floor, Boy's Restroom Near Room 010, Left Sink	< 1.00
KRA-54	Ground Floor, Boy's Restroom Near Room 010, Right Sink	< 1.00
KRA-55	Ground Floor, Water Fountain Near Room 010	< 1.00
KRA-56	Ground Floor, Girl's Restroom Near Room 008, Left Sink	< 1.00
KRA-57	Ground Floor, Girl's Restroom Near Room 008, Right Sink	< 1.00
KRA-58	Ground Floor, Classroom 008, Water Fountain	8.07
KRA-59	Ground Floor, Classroom 008, Faucet	21.7
KRA-60	Ground Floor, Classroom 006, Left Sink	2.39
KRA-61	Ground Floor, Classroom 006, Right Sink	7.06
KRA-62	Ground Floor, Unisex Restroom Near Room 004, Sink	< 1.00
KRA-63	Ground Floor, Cafeteria, Left Water Fountain	< 1.00
KRA-64	Ground Floor, Cafeteria, Right Water Fountain	< 1.00
KRA-65	Ground Floor, Kitchen, Restroom, Sink	2.02
KRA-66	Ground Floor, Kitchen, South Prep Sink	< 1.00
KRA-67	Ground Floor, Kitchen, Pot Filler Near Stove	22.0
KRA-68	Ground Floor, Kitchen, North Prep Area, Left Sink	< 1.00
KRA-69	Ground Floor, Kitchen, North Prep Area, Right Sink	2.08

Note:
µg/L – micrograms per liter

**TABLE 1 (Continued)
Lead Sampling Results
Kratz Elementary (January 15, 2024)**

Sample ID	Location	Results (µg/L)
KRA-70	Ground Floor, Kitchen, Handwashing Sink	< 1.00
KRA-71	Ground Floor, Kitchen, Dishwashing Sink, North	< 1.00
KRA-72	Ground Floor, Kitchen, Dishwashing Sink, South, Left Sink	3.24
KRA-73	Ground Floor, Kitchen, Dishwashing Sink, South, Right Sink	3.70

Note:

µg/L – micrograms per liter

Sources not sampled:

Kratz Elementary, 2nd Floor, Classroom 216, Water Fountain (inoperable)
Kratz Elementary, 1st Floor, Faculty Lounge, Restroom Sink (inoperable)
Kratz Elementary, 1st Floor, Classroom 103, Water Fountain (inoperable)
Kratz Elementary, 1st Floor, Classroom 108, Water Fountain (inoperable)



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

February 05, 2024

Greg Young
Jurgiel & Associates, Inc.
123 North Main Street
St. Charles, MO 63301

RE: Ritenour Drinking Water-Kratz Elem

Dear Greg Young:

Please find enclosed the analytical results for the **72** sample(s) the laboratory received on **1/16/24 2:40 pm** and logged in under work order **HA02367**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise . We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

A handwritten signature in black ink, appearing to read 'Chenise Lambert-Sykes'.

Chenise Lambert-Sykes
Project Manager
(314)432-0550
Chenise.Lambert-Sykes@pacelabs.com

**SAMPLE RECEIPT CHECK LIST**

Items not applicable will be marked as in compliance

Work Order HA02367

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
NO	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
NO	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

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Case Narrative

Sample KRA-70 was not received.



ANALYTICAL RESULTS

Sample: HA02367-01
Name: KRA-1
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30
Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:17	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-02
Name: KRA-2
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30
Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:18	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-03
Name: KRA-3
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30
Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:19	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-04
Name: KRA-4
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30
Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:21	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HA02367-05
Name: KRA-5
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:22	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-06
Name: KRA-6
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:26	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-07
Name: KRA-7
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	1.93	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:28	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-08
Name: KRA-8
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:29	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HA02367-09
Name: KRA-9
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	2.03	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:31	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-10
Name: KRA-10
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:32	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-11
Name: KRA-11
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	4.84	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:36	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-12
Name: KRA-12
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	3.45	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:38	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HA02367-13
Name: KRA-13
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:39	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-14
Name: KRA-14
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:43	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-15
Name: KRA-15
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:45	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-16
Name: KRA-16
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:46	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HA02367-17
Name: KRA-17
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:47	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-18
Name: KRA-18
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	4.62	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:49	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-19
Name: KRA-19
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	3.57	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:50	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-20
Name: KRA-20
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	1.10	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:52	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HA02367-21
Name: KRA-21
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	2.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 13:56	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-22
Name: KRA-22
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	3.32	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:00	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-23
Name: KRA-23
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	3.72	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:01	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-24
Name: KRA-24
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	4.93	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:03	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HA02367-25
Name: KRA-25
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:04	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-26
Name: KRA-26
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:06	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-27
Name: KRA-27
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:07	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-28
Name: KRA-28
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:08	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HA02367-29
Name: KRA-29
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	1.61	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:10	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-30
Name: KRA-30
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	1.79	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:11	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-31
Name: KRA-31
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	2.09	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:18	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-32
Name: KRA-32
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:20	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HA02367-33
Name: KRA-33
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	4.33	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:21	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-34
Name: KRA-34
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:23	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-35
Name: KRA-35
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:24	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-36
Name: KRA-36
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:25	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HA02367-37
Name: KRA-37
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:27	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-38
Name: KRA-38
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	3.78	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:28	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-39
Name: KRA-39
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	1.75	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:30	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-40
Name: KRA-40
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:34	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HA02367-41
Name: KRA-41
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:38	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-42
Name: KRA-42
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:39	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-43
Name: KRA-43
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:41	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-44
Name: KRA-44
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:42	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HA02367-45
Name: KRA-45
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:43	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-46
Name: KRA-46
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:45	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-47
Name: KRA-47
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	1.79	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:46	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-48
Name: KRA-48
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:50	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HA02367-49
Name: KRA-49
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	4.51	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:52	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-50
Name: KRA-50
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	3.13	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:53	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-51
Name: KRA-51
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	14.1	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:57	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-52
Name: KRA-52
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	4.64	ug/L		01/26/24 11:07	1	1.00	01/26/24 14:59	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HA02367-53
Name: KRA-53
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:00	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-54
Name: KRA-54
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:01	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-55
Name: KRA-55
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:03	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-56
Name: KRA-56
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:07	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HA02367-57

Name: KRA-57

Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:08	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-58

Name: KRA-58

Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	8.07	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:10	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-59

Name: KRA-59

Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	21.7	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:11	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-60

Name: KRA-60

Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	2.39	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:13	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HA02367-61
Name: KRA-61
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	7.06	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:17	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-62
Name: KRA-62
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:18	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-63
Name: KRA-63
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:19	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-64
Name: KRA-64
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:24	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HA02367-65
Name: KRA-65
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	2.02	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:25	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-66
Name: KRA-66
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:26	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-67
Name: KRA-67
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	22.0	ug/L		01/31/24 13:57	1	1.11	02/01/24 13:19	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-68
Name: KRA-68
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:28	BRS	EPA 200.8 REV 5.4
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ANALYTICAL RESULTS

Sample: HA02367-69
Name: KRA-69
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	2.08	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:29	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-70
Name: KRA-71
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:31	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-71
Name: KRA-72
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	3.24	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:32	BRS	EPA 200.8 REV 5.4
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Sample: HA02367-72
Name: KRA-73
Matrix: Drinking Water - Grab

Sampled: 01/15/24 14:30

Received: 01/16/24 14:40

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	3.70	ug/L		01/26/24 11:07	1	1.00	01/26/24 15:36	BRS	EPA 200.8 REV 5.4
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NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050



Certified by: Chenise Lambert-Sykes, Project Manager



REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
CCDD	TACO: RES OR IND/COMM

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTED IN THE STATE OF MD

PAGE 1

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT <u>JOHNA JURGIEL & ASSOCIATES, INC.</u>		PROJECT NUMBER <u>RITENDOUR</u>		PROJECT LOCATION <u>KRATZ ELEM</u>		PURCHASE ORDER #		3 ANALYSIS REQUESTED				4 (FOR LAB USE ONLY) LOGIN # <u>HA02367</u> LOGGED BY: <u>SM</u> CLIENT: _____ PROJECT: _____ PROJ. MGR.: _____ CUSTODY SEAL #: _____	
ADDRESS <u>123 N. MAIN ST.</u>		PHONE NUMBER <u>636-757-3060</u>		E-MAIL <u>gyoung@jurgiel.com</u>		DATE SHIPPED		LEAD (EPA 200.8)				REMARKS	
CITY STATE ZIP <u>ST. CHARLES, MD 63301</u>		SAMPLER (PLEASE PRINT) <u>GREG YOUNG</u>		MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-NON AQUEOUS SOLID LCHL-LEACHATE OIL-OIL SO-SOIL SOL-SOLID									
CONTACT PERSON <u>GREG YOUNG</u>		SAMPLER'S SIGNATURE <u>[Signature]</u>											

2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB COMP		MATRIX TYPE	BOTTLE COUNT	PRES CODE CLIENT PROVIDED				
KRA-1		1/15/24	1:00pm- 2:30pm	X		DW	1		X			
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												

CHEMICAL PRESERVATION CODES:		1-HCL	2-H2SO4	3-HNO3	4-NAOH	5-NA2S2O3	6-UNPRESERVED	7-OTHER
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) NORMAL <u>RUSH</u>		DATE RESULTS NEEDED		6 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may <u>NOT</u> be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) <u>GY</u> <u>IR-5</u>				
RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE								
EMAIL IF DIFFERENT FROM ABOVE:		PHONE # IF DIFFERENT FROM ABOVE:						

7 RELINQUISHED BY: (SIGNATURE) <u>[Signature]</u>		DATE <u>1/15/24</u>		RECEIVED BY: (SIGNATURE) <u>[Signature]</u>		DATE <u>1-15-24</u>		8 COMMENTS: (FOR LAB USE ONLY) <u>[Signature]</u>	
RELINQUISHED BY: (SIGNATURE) <u>[Signature]</u>		DATE <u>1-16-24</u>		RECEIVED BY: (SIGNATURE) <u>[Signature]</u>		DATE <u>1-16-24</u>		SAMPLE TEMPERATURE UPON RECEIPT TEMPERATURE GUN ID <u>16.3 12.3</u> °C	
RELINQUISHED BY: (SIGNATURE) <u>[Signature]</u>		DATE <u>1-16-24</u>		RECEIVED BY: (SIGNATURE) <u>[Signature]</u>		DATE <u>1-16-24</u>		CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED	
		TIME <u>1440</u>				TIME <u>1440</u>		DATE AND TIME TAKEN FROM SAMPLE BOTTLE	



REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
CCDD	TACO: RES OR IND/COMM

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTED IN THE STATE OF MD

PAGE 2

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT JOHNA JURGIEL & ASSOCIATES, INC. ADDRESS 123 N. MAIN ST. CITY STATE ZIP ST. CHARLES, MD 63301 CONTACT PERSON GREG YOUNG		PROJECT NUMBER RITENDOUR PROJECT LOCATION KRATZ ELEM. PHONE NUMBER 636-757-3060 E-MAIL gyoung@jurgiel.com		PURCHASE ORDER # DATE SHIPPED MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-NON AQUEOUS SOLID LCHT-LEACHATE OIL-OIL SC-SOL SOL-SOLID		3 ANALYSIS REQUESTED		4 (FOR LAB USE ONLY) LOGIN # HA02367 LOGGED BY: SM CLIENT: PROJECT: PROJ. MGR.: CUSTODY SEAL #:	
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT) KRA-12 13 14 15 16 17 18 19 20 21 22		DATE COLLECTED 11/15/24	TIME COLLECTED 1:00pm-2:30pm	SAMPLE TYPE GRAB X	MATRIX TYPE DW	BOTTLE COUNT 1	PRES CODE CLIENT PROVIDED	REMARKS	
CHEMICAL PRESERVATION CODES:		1-HCL	2-H2SO4	3-HNO3	4-NAOH	5-NA2S2O3	6-UNPRESERVED	7-OTHER	
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) NORMAL RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE		DATE RESULTS NEEDED		6 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) <u>GY</u>					
7 RELINQUISHED BY: (SIGNATURE) RELINQUISHED BY: (SIGNATURE) RELINQUISHED BY: (SIGNATURE)		DATE 11/15/24 TIME 1440	RECEIVED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE)		DATE 1-16-24 TIME 1440	8 COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT TEMPERATURE GUN ID CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED DATE AND TIME TAKEN FROM SAMPLE BOTTLE			



REGULATORY PROGRAM (CIRCLE):

NPDES

MORBCA

RCRA

CCDD

TACO: RES OR IND/COMM

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTED IN THE STATE OF MD

PAGE 3

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT JOHNA JURGIEL & ASSOCIATES, INC. ADDRESS 123 N. MAIN ST. CITY STATE ZIP ST. CHARLES, MD 63301 CONTACT PERSON GREG YOUNG		PROJECT NUMBER RITENDOUR DRINKING WATER PHONE NUMBER 636-757-3060		PROJECT LOCATION KRATZ ELEM E-MAIL gyoung@jurgiel.com		PURCHASE ORDER #		3 ANALYSIS REQUESTED		4 (FOR LAB USE ONLY) 2367 LOGIN # HA023X67 LOGGED BY: SM CLIENT: PROJECT: PROJ. MGR.: CUSTODY SEAL #:	
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB COMP		MATRIX TYPE	BOTTLE COUNT	PRES CODE CLIENT PROVIDED	LEAD (EPA 200.8)		REMARKS
KRA-23		1/15/24	1:00pm-2:30pm	X		DW	1		X		
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
CHEMICAL PRESERVATION CODES: 1-HCL 2-H2SO4 3-HNO3 4-NAOH 5-NA2S2O3 6-UNPRESERVED 7-OTHER											
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:		DATE RESULTS NEEDED		6 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) <u>GY</u>							
7 RELINQUISHED BY: (SIGNATURE) RELINQUISHED BY: (SIGNATURE) RELINQUISHED BY: (SIGNATURE)		DATE 1/15/24 TIME DATE 1-16-24 TIME 1440 DATE TIME		RECEIVED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE)		DATE 1-16-24 TIME 1009 DATE 1-16-24 TIME 1440		8 COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT 12.3 °C TEMPERATURE GUN ID CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N DATE AND TIME TAKEN FROM SAMPLE BOTTLE			



CHAIN OF CUSTODY RECORD

SAMPLE COLLECTED IN THE STATE OF MO

PAGE 4

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT JOHNA JURGIEL & ASSOCIATES, INC. ADDRESS 123 N. MAIN ST. CITY ST. CHARLES, MD 63301 CONTACT PERSON GREG YOUNG		PROJECT NUMBER RITENOUR DRINKING WATER PHONE NUMBER 636-757-3060 PROJECT LOCATION KRATZ ELEM E-MAIL gyoung@jurgiel.com SAMPLER (PLEASE PRINT) GREG YOUNG SAMPLER'S SIGNATURE [Signature]		PURCHASE ORDER # DATE SHIPPED MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE WAS-NON AQUEOUS SOLID LCHT-LEACHATE OIL-OIL SO-SOIL SOL-SOLID		3 ANALYSIS REQUESTED LEAD (EPA 200.8)		4 (FOR LAB USE ONLY) LOGIN # HA02367 LOGGED BY: SM CLIENT: PROJECT: PROJ. MGR.: CUSTODY SEAL #:	
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	COMP	MATRIX TYPE	BOTTLE COUNT	PRES CODE CLIENT PROVIDED	REMARKS
KRA-34		1/15/24	1:00pm-2:30pm	X		DW	1		
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
CHEMICAL PRESERVATION CODES: 1-HCL 2-H2SO4 3-HNO3 4-NAOH 5-NA2S2O3 6-UNPRESERVED 7-OTHER									
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:		NORMAL RUSH		DATE RESULTS NEEDED		6 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) GY			
7 RELINQUISHED BY: (SIGNATURE) [Signature]		DATE 1/15/24 TIME		RECEIVED BY: (SIGNATURE) [Signature]		DATE 1-16-24 TIME 1009		8 COMMENTS: (FOR LAB USE ONLY) C	
RELINQUISHED BY: (SIGNATURE) [Signature]		DATE 1-16-24 TIME 1440		RECEIVED BY: (SIGNATURE) [Signature]		DATE 1-16-24 TIME 1440		SAMPLE TEMPERATURE UPON RECEIPT TEMPERATURE GUN ID 12.3 °C CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N DATE AND TIME TAKEN FROM SAMPLE BOTTLE	
RELINQUISHED BY: (SIGNATURE) [Signature]		DATE TIME		RECEIVED BY: (SIGNATURE) [Signature]		DATE TIME			



REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
CCDD	TACO: RES OR IND/COMM

PAGE 5

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT JOHNA JURGIEL & ASSOCIATES, INC. ADDRESS 123 N. MAIN ST. CITY STATE ZIP ST. CHARLES, MD 63301 CONTACT PERSON GREG YOUNG		PROJECT NUMBER RITENDOUR PROJECT LOCATION KRATZ ELEM. PHONE NUMBER 636-757-3060 E-MAIL gyoung@jurgiel.com SAMPLER (PLEASE PRINT) GREG YOUNG SAMPLER'S SIGNATURE [Signature]		PURCHASE ORDER # DATE SHIPPED MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-NON AQUEOUS SOLID LCHT-LEACHATE OIL-OIL SO-SOL SOL-SOLID		3 ANALYSIS REQUESTED				4 (FOR LAB USE ONLY) LOGIN # HA02367 LOGGED BY: SM CLIENT: PROJECT: PROJ. MGR.: CUSTODY SEAL #:					
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)		DATE COLLECTED		TIME COLLECTED		SAMPLE TYPE GRAB COMP.		MATRIX TYPE		BOTTLE COUNT		PRES CODE CLIENT PROVIDED		REMARKS	
KRA-45		1/15/24		1:00pm-2:30pm		X		DW		1					
46															
47															
48															
49															
50															
51															
52															
53															
54															
55															
CHEMICAL PRESERVATION CODES:		1-HCL		2-H2SO4		3-HNO3		4-NAOH		5-NA2S2O3		6-UNPRESERVED		7-OTHER	
5		TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE		DATE RESULTS NEEDED		6 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) <u>GY</u>									
7		RELINQUISHED BY: (SIGNATURE) [Signature]		DATE 1/15/24 TIME		RECEIVED BY: (SIGNATURE) [Signature]		DATE 1-16-24 TIME 1009		8 COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT TEMPERATURE GUN ID 123 °C CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N DATE AND TIME TAKEN FROM SAMPLE BOTTLE					
RELINQUISHED BY: (SIGNATURE) [Signature]		DATE 1-16-24 TIME 1440		RECEIVED BY: (SIGNATURE) [Signature]		DATE 1-16-24 TIME 1440									
RELINQUISHED BY: (SIGNATURE) [Signature]		DATE TIME		RECEIVED BY: (SIGNATURE) [Signature]		DATE TIME									



CHAIN OF CUSTODY RECORD

SAMPLE COLLECTED IN THE STATE OF MO

PAGE 6

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

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REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
CCDD	TACO: RES OR IND/COMM

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTED IN THE STATE OF MD

PAGE 7

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT <u>JOHNA JURGIEL & ASSOCIATES, INC.</u>		PROJECT NUMBER <u>RITENDOUR</u>		PROJECT LOCATION <u>KRATZ ELEM</u>		PURCHASE ORDER #		3 ANALYSIS REQUESTED				4 (FOR LAB USE ONLY)				
ADDRESS <u>123 N. MAIN ST.</u>		PHONE NUMBER <u>636-757-3060</u>		E-MAIL <u>gyoung@jurgiel.com</u>		DATE SHIPPED		LEAD (EPA 200.8)				LOGIN # <u>H1A023607</u>				
CITY <u>ST. CHARLES, MD 63301</u>		SAMPLER (PLEASE PRINT) <u>GREG YOUNG</u>		SAMPLER'S SIGNATURE <u>Greg Young</u>		MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-NON AQUEOUS SOLID LCHT-LEACHATE OIL-OIL SO-SOIL SOL-SOLID						LOGGED BY: <u>SM</u>				
CONTACT PERSON <u>GREG YOUNG</u>												CLIENT: _____				
												PROJECT: _____				
												PROJ. MGR: _____				
												CUSTODY SEAL #: _____				
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	COMP	MATRIX TYPE	BOTTLE COUNT	PRES CODE CLIENT PROVIDED					REMARKS			
<u>KRA-67</u>		<u>1/15/24</u>	<u>1:00pm - 2:30pm</u>	<u>X</u>		<u>DW</u>	<u>1</u>		<u>X</u>							
<u>68</u>																
<u>69</u>																
<u>* 70</u>														<u>* Sample</u>		
<u>71</u>														<u>KRA-70</u>		
<u>72</u>														<u>Not</u>		
<u>73</u>														<u>Received</u>		
<u>74</u>																
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<u>99</u>																
<u>100</u>																

CHEMICAL PRESERVATION CODES:		1-HCL	2-H2SO4	3-HNO3	4-NAOH	5-NA2S2O3	6-UNPRESERVED	7-OTHER
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE)		<u>NORMAL</u>		RUSH		DATE RESULTS NEEDED		6 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may <u>NOT</u> be acceptable to report to all regulatory authorities.
RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE								PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) <u>GY</u>
EMAIL IF DIFFERENT FROM ABOVE:		PHONE # IF DIFFERENT FROM ABOVE:						

7 RELINQUISHED BY: (SIGNATURE) <u>Greg Young</u>		DATE <u>1/15/24</u>	TIME <u>1:00pm</u>	RECEIVED BY: (SIGNATURE) <u>Sherry M</u>	DATE <u>1-16-24</u>	TIME <u>1009</u>	8 COMMENTS: (FOR LAB USE ONLY) <u># 70 was not received</u>
RELINQUISHED BY: (SIGNATURE) <u>Sherry M</u>		DATE <u>1-16-24</u>	TIME <u>1940</u>	RECEIVED BY: (SIGNATURE) <u>Sherry M</u>	DATE <u>1-16-24</u>	TIME <u>1940</u>	
RELINQUISHED BY: (SIGNATURE) <u>Sherry M</u>		DATE <u>1-16-24</u>	TIME <u>1940</u>	RECEIVED BY: (SIGNATURE) <u>Sherry M</u>	DATE <u>1-16-24</u>	TIME <u>1940</u>	
							SAMPLE TEMPERATURE UPON RECEIPT TEMPERATURE GUN ID <u>17.3</u> °C
							CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE Y OR N SAMPLE ACCEPTANCE NONCONFORMANT Y OR N REPORT IS NEEDED Y OR N
							DATE AND TIME TAKEN FROM SAMPLE BOTTLE <u>10 KKH</u>