



April 24, 2012

123-84274

Ms. Susan B. Knowles
Ameren Services
One Ameren Plaza
1901 Chouteau Avenue
St. Louis, MO 63103

**RE: LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER MONITORING SAMPLES
COLLECTED ON APRIL 12-13, 2012 FROM TEMPORARY GROUNDWATER PIEZOMETERS
INSTALLED NEAR LABADIE PLANT**

Dear Ms. Knowles:

At the request of Ameren, Golder Associates Inc. (Golder) has prepared this letter summarizing the laboratory analytical results from groundwater samples collected from three piezometers installed for temporary monitoring purposes near the Labadie Plant in Franklin County, Missouri. A piezometer installation report including details of the drilling, piezometer installation, and groundwater sampling effort is being prepared by Golder and will follow this laboratory results summary letter. The following is a summary of the laboratory results for groundwater samples collected on April 12-13, 2012 from piezometers TGP-A, TGP-B, and TGP-C.

LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

A groundwater sample from each piezometer was collected by Golder using standard groundwater sampling procedures and shipped to TestAmerica Inc. for laboratory analytical testing (TestAmerica Job ID: 500-45460-1) under chain-of-custody. The samples were analyzed for boron, an indicator constituent for leachate from coal combustion products, and inorganic constituents that have regulatory standards for protection of drinking water supplies specified in Table A of 10 CSR 20-7.031. With the exception of arsenic, these standards are identical to federal drinking water standards. The federal drinking water standard for arsenic is 10 ug/L, and is lower than the Missouri standard of 50 ug/L. The laboratory analytical data are contained in TestAmerica's report included as Attachment A.

Boron concentrations were below detection limits in all three samples, indicating that groundwater at the three monitoring points is not affected by leachate from coal combustion products. Other inorganic constituents were detected; however, concentrations of the other constituents were lower than the Missouri and federal drinking water standards. It is not uncommon to detect low levels of inorganic constituents in uncontaminated groundwater samples because these elements are often naturally present in the soils and rocks that are in contact with the groundwater.

Several analytical results are qualified with a B, J, or ^ data flag. The B flag indicates that the constituent was detected in a laboratory blank, and therefore the analytical result may be biased high. Since all results were low and below drinking water standards, any such bias was minimal and does not significantly affect interpretation of the results. The J flag indicates that the constituent was detected at a very low level, in a range where the precision of the laboratory instruments is low, and therefore the reported concentration is qualified as estimated. Again, this does not adversely affect interpretation because all results were lower than drinking water standards. The ^ flag indicates that the ICSA interference check was slightly above acceptance limits; however, all of the results for the affected constituent were non-detect, so there was no relevant bias affecting results.

Golder Associates Inc.
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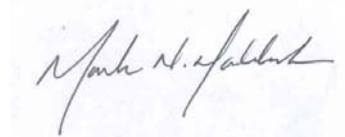
If you have any questions regarding this information, please do not hesitate to contact the undersigned.

Sincerely,

GOLDER ASSOCIATES INC.



Michael W. Dreyer, E.I.T.
Staff Engineer



Mark N. Haddock, R.G., P.E.
Senior Engineer
Associate

Attachments: Attachment A – TestAmerica Laboratory Analytical Report

MWD/MNH

**Comparison of Analytical Results to Missouri and Federal Drinking Water Standards
Groundwater Samples Collected Upgradient of the Labadie Power Plant
Samples Collected April 12-13, 2012**

Analyte*	Missouri ¹	Federal ²	TGP-A 4/12/12	TGP-B 4/13/12	TGP-C 4/12/12	DUP-1** 4/12/12
Antimony	0.006	0.006	<0.0026	0.0026 J	<0.0026	<0.0026
Arsenic	0.05	0.01	<0.0024	<0.0024	<0.0024	<0.0024
Barium	2.0	2.0	0.21 B	0.10 B	0.15 B	0.22 B
Beryllium	0.004	0.004	<0.00044	<0.00044	<0.00044	<0.00044
Boron	no DWS	no MCL	<0.024	<0.024	<0.024	<0.024
Cadmium	0.005	0.005	<0.00054 ^	<0.00054 ^	<0.00054 ^	<0.00054 ^
Chloride	250	[250]	5.8 B	29 B	43 B	5.7 B
Chromium	0.1	0.1	0.0029 J	0.0025 J	0.0013 J	0.0034 J
Copper	1.3	1.3	<0.0011	<0.0011	<0.0011	<0.0011
Fluoride	4	4	0.20	0.25	0.16 J	0.18 J
Lead	0.015	0.015	0.0031 JB	0.0036 JB	0.0044 JB	0.0037 JB
Mercury	0.002	0.002	<0.000070	<0.000070	<0.000070	<0.000070
Nickel	0.1	no MCL	0.0020 J	<0.0019	<0.0019	0.0021 J
Nitrate as N	10	10	1.3	7.9	5.0	1.3
Selenium	0.05	0.05	<0.0027	<0.0027	<0.0027	<0.0027
Silver	0.05	[0.10]	<0.0011	<0.0011	<0.0011	<0.0011
Sulfate	250	[250]	13	25	34	14
Thallium	0.002	0.002	<0.0013	<0.0013	<0.0013	<0.0013
Zinc	5.0	[5.0]	<0.0047	<0.0047	0.0064 J	<0.0047

Notes

- * Concentrations listed in mg/L
- ** Duplicate sample from TGP-A
- 1 Missouri drinking water supply (DWS) standard per 10 CSR 20-7.031 Table A
 - There is no DWS for boron
- 2 Federal Maximum Contaminant Level (MCL)
 - [] indicates that there is no MCL for the constituent, and the non-enforceable Secondary MCL is displayed
 - There is no MCL or Secondary MCL for boron and nickel
 - Federal standards listed at: <http://water.epa.gov/drink/contaminants/index.cfm#List>

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-45460-1

Client Project/Site: Ameren Groundwater Testing

Revision: 1

For:

Golder Associates Inc.

820 South Main Street

Suite 100

St. Charles, Missouri 63301

Attn: Mike Dreyer



Authorized for release by:

4/24/2012 5:06:53 PM

Donna Ingersoll

Project Manager II

donna.ingersoll@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Case Narrative

Client: Golder Associates Inc.
Project/Site: Ameren Groundwater Testing

TestAmerica Job ID: 500-45460-1

Job ID: 500-45460-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-45460-1

Comments

Client requested report format be changed to present non-detects as < MDL.

Receipt

The samples were received on 4/14/2012 9:30 AM; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 0.30 C.

Metals

Method(s) 6010B: The ICSA for batch 146602 exceeded the acceptance limits for Cd. All samples were below the RL and therefore, reported.

Method(s) 7470A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-45460-1 were outside control limits for Hg. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry

Method(s) 9056: The following samples were analyzed outside of the 48-hour analytical holding time for nitrate-nitrogen due to instrument malfunction: DUP-1 (500-45460-4), RB-1 (500-45460-5), TGP-A (500-45460-1), TGP-B (500-45460-2), TGP-C (500-45460-3). The samples were received on Saturday, 4/14/12, and set up on the ion chromatograph (IC) upon receipt, within hold, but after the analyst had left for the day, the IC pressure dropped and no chromatograms past sample -1 were readable. None of the injections were reportable because they were not bracketed by end-run QC. The samples were re-analyzed on Tuesday, 4/17/12. The result obtained on Saturday for sample -1 was 1.4 mg/L as N. That compares well with the result reported from Tuesday, which was 1.3 mg/L. Typically, any nitrite-nitrogen that may have been present in the sample is often converted to nitrate-nitrogen, so it is possible that these reported nitrate results are biased high.

Method(s) 9056: Compound nitrate eluted outside the retention time window on the Ion Chromatography (IC) column for the following samples in batch 146758: (CCV 500-146758/13), (CCV 500-146758/39), (ICV 500-146758/1), (LCS 500-146758/4), DUP-1 (500-45460-4). This retention time shift was taken into account and corrected for when reviewing the samples for target compounds.

Method(s) 9056: The IC continuing calibration verification (CCV) for chloride associated with batch 146758 recovered above the upper control limit. The sample's spikes (MS/MSD) bracketed by this CCV were in control; therefore, the data have been reported.

No other analytical or quality issues were noted.

Detection Summary

Client: Golder Associates Inc.
Project/Site: Ameren Groundwater Testing

TestAmerica Job ID: 500-45460-1

Client Sample ID: TGP-A

Lab Sample ID: 500-45460-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.21	B	0.010	0.00044	mg/L	1		6010B	Total/NA
Chromium	0.0029	J	0.010	0.00096	mg/L	1		6010B	Total/NA
Lead	0.0031	J B	0.0050	0.0016	mg/L	1		6010B	Total/NA
Nickel	0.0020	J	0.010	0.0019	mg/L	1		6010B	Total/NA
Chloride	5.8	B	0.20	0.083	mg/L	1		9056	Total/NA
Fluoride	0.20		0.20	0.029	mg/L	1		9056	Total/NA
Nitrate as N	1.3		0.10	0.023	mg/L	1		9056	Total/NA
Sulfate	13		2.0	0.90	mg/L	10		9056	Total/NA

Client Sample ID: TGP-B

Lab Sample ID: 500-45460-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.0026	J	0.020	0.0026	mg/L	1		6010B	Total/NA
Barium	0.10	B	0.010	0.00044	mg/L	1		6010B	Total/NA
Chromium	0.0025	J	0.010	0.00096	mg/L	1		6010B	Total/NA
Lead	0.0036	J B	0.0050	0.0016	mg/L	1		6010B	Total/NA
Chloride	29	B	2.0	0.83	mg/L	10		9056	Total/NA
Fluoride	0.25		0.20	0.029	mg/L	1		9056	Total/NA
Nitrate as N	7.9		1.0	0.23	mg/L	10		9056	Total/NA
Sulfate	25		2.0	0.90	mg/L	10		9056	Total/NA

Client Sample ID: TGP-C

Lab Sample ID: 500-45460-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.15	B	0.010	0.00044	mg/L	1		6010B	Total/NA
Chromium	0.0013	J	0.010	0.00096	mg/L	1		6010B	Total/NA
Lead	0.0044	J B	0.0050	0.0016	mg/L	1		6010B	Total/NA
Zinc	0.0064	J	0.020	0.0047	mg/L	1		6010B	Total/NA
Chloride	43	B	2.0	0.83	mg/L	10		9056	Total/NA
Fluoride	0.16	J	0.20	0.029	mg/L	1		9056	Total/NA
Nitrate as N	5.0		1.0	0.23	mg/L	10		9056	Total/NA
Sulfate	34		2.0	0.90	mg/L	10		9056	Total/NA

Client Sample ID: DUP-1

Lab Sample ID: 500-45460-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.22	B	0.010	0.00044	mg/L	1		6010B	Total/NA
Chromium	0.0034	J	0.010	0.00096	mg/L	1		6010B	Total/NA
Lead	0.0037	J B	0.0050	0.0016	mg/L	1		6010B	Total/NA
Nickel	0.0021	J	0.010	0.0019	mg/L	1		6010B	Total/NA
Chloride	5.7	B	0.20	0.083	mg/L	1		9056	Total/NA
Fluoride	0.18	J	0.20	0.029	mg/L	1		9056	Total/NA
Nitrate as N	1.3		0.10	0.023	mg/L	1		9056	Total/NA
Sulfate	14		2.0	0.90	mg/L	10		9056	Total/NA

Client Sample ID: RB-1

Lab Sample ID: 500-45460-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0028	J B	0.010	0.00044	mg/L	1		6010B	Total/NA
Chromium	0.0011	J	0.010	0.00096	mg/L	1		6010B	Total/NA
Copper	0.0017	J	0.010	0.0011	mg/L	1		6010B	Total/NA
Lead	0.0020	J B	0.0050	0.0016	mg/L	1		6010B	Total/NA
Zinc	0.052		0.020	0.0047	mg/L	1		6010B	Total/NA
Chloride	0.64	B	0.20	0.083	mg/L	1		9056	Total/NA

Detection Summary

Client: Golder Associates Inc.
Project/Site: Ameren Groundwater Testing

TestAmerica Job ID: 500-45460-1

Client Sample ID: RB-1 (Continued)

Lab Sample ID: 500-45460-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.28		0.10	0.023	mg/L	1		9056	Total/NA
Sulfate	0.17	J	0.20	0.090	mg/L	1		9056	Total/NA

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Method Summary

Client: Golder Associates Inc.
Project/Site: Ameren Groundwater Testing

TestAmerica Job ID: 500-45460-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
9056	Anions, Ion Chromatography	SW846	TAL CHI

Protocol References:

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

Laboratory References:

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



Sample Summary

Client: Golder Associates Inc.
Project/Site: Ameren Groundwater Testing

TestAmerica Job ID: 500-45460-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-45460-1	TGP-A	Water	04/12/12 17:05	04/14/12 09:30
500-45460-2	TGP-B	Water	04/12/12 11:35	04/14/12 09:30
500-45460-3	TGP-C	Water	04/12/12 15:00	04/14/12 09:30
500-45460-4	DUP-1	Water	04/12/12 00:00	04/14/12 09:30
500-45460-5	RB-1	Water	04/12/12 12:00	04/14/12 09:30

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Client Sample Results

Client: Golder Associates Inc.
 Project/Site: Ameren Groundwater Testing

TestAmerica Job ID: 500-45460-1

Client Sample ID: TGP-A

Lab Sample ID: 500-45460-1

Date Collected: 04/12/12 17:05

Matrix: Water

Date Received: 04/14/12 09:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0026		0.020	0.0026	mg/L		04/16/12 10:44	04/16/12 19:04	1
Arsenic	<0.0024		0.010	0.0024	mg/L		04/16/12 10:44	04/16/12 19:04	1
Barium	0.21	B	0.010	0.00044	mg/L		04/16/12 10:44	04/16/12 19:04	1
Beryllium	<0.00044		0.0040	0.00044	mg/L		04/16/12 10:44	04/16/12 19:04	1
Boron	<0.024		0.050	0.024	mg/L		04/16/12 10:44	04/16/12 19:04	1
Cadmium	<0.00054	^	0.0020	0.00054	mg/L		04/16/12 10:44	04/16/12 19:04	1
Chromium	0.0029	J	0.010	0.00096	mg/L		04/16/12 10:44	04/16/12 19:04	1
Copper	<0.0011		0.010	0.0011	mg/L		04/16/12 10:44	04/16/12 19:04	1
Lead	0.0031	J B	0.0050	0.0016	mg/L		04/16/12 10:44	04/16/12 19:04	1
Nickel	0.0020	J	0.010	0.0019	mg/L		04/16/12 10:44	04/16/12 19:04	1
Selenium	<0.0027		0.010	0.0027	mg/L		04/16/12 10:44	04/16/12 19:04	1
Silver	<0.0011		0.0050	0.0011	mg/L		04/16/12 10:44	04/16/12 19:04	1
Thallium	<0.0013		0.010	0.0013	mg/L		04/16/12 10:44	04/16/12 19:04	1
Zinc	<0.0047		0.020	0.0047	mg/L		04/16/12 10:44	04/16/12 19:04	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.070		0.20	0.070	ug/L		04/16/12 14:40	04/17/12 13:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.8	B	0.20	0.083	mg/L			04/17/12 13:33	1
Fluoride	0.20		0.20	0.029	mg/L			04/17/12 13:33	1
Nitrate as N	1.3		0.10	0.023	mg/L			04/17/12 13:33	1
Sulfate	13		2.0	0.90	mg/L			04/17/12 13:47	10

Client Sample Results

Client: Golder Associates Inc.
 Project/Site: Ameren Groundwater Testing

TestAmerica Job ID: 500-45460-1

Client Sample ID: TGP-B

Lab Sample ID: 500-45460-2

Date Collected: 04/12/12 11:35

Matrix: Water

Date Received: 04/14/12 09:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0026	J	0.020	0.0026	mg/L		04/16/12 10:44	04/16/12 19:10	1
Arsenic	<0.0024		0.010	0.0024	mg/L		04/16/12 10:44	04/16/12 19:10	1
Barium	0.10	B	0.010	0.00044	mg/L		04/16/12 10:44	04/16/12 19:10	1
Beryllium	<0.00044		0.0040	0.00044	mg/L		04/16/12 10:44	04/16/12 19:10	1
Boron	<0.024		0.050	0.024	mg/L		04/16/12 10:44	04/16/12 19:10	1
Cadmium	<0.00054	^	0.0020	0.00054	mg/L		04/16/12 10:44	04/16/12 19:10	1
Chromium	0.0025	J	0.010	0.00096	mg/L		04/16/12 10:44	04/16/12 19:10	1
Copper	<0.0011		0.010	0.0011	mg/L		04/16/12 10:44	04/16/12 19:10	1
Lead	0.0036	J B	0.0050	0.0016	mg/L		04/16/12 10:44	04/16/12 19:10	1
Nickel	<0.0019		0.010	0.0019	mg/L		04/16/12 10:44	04/16/12 19:10	1
Selenium	<0.0027		0.010	0.0027	mg/L		04/16/12 10:44	04/16/12 19:10	1
Silver	<0.0011		0.0050	0.0011	mg/L		04/16/12 10:44	04/16/12 19:10	1
Thallium	<0.0013		0.010	0.0013	mg/L		04/16/12 10:44	04/16/12 19:10	1
Zinc	<0.0047		0.020	0.0047	mg/L		04/16/12 10:44	04/16/12 19:10	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.070		0.20	0.070	ug/L		04/16/12 14:40	04/17/12 13:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29	B	2.0	0.83	mg/L			04/17/12 14:16	10
Fluoride	0.25		0.20	0.029	mg/L			04/17/12 14:02	1
Nitrate as N	7.9		1.0	0.23	mg/L			04/17/12 14:16	10
Sulfate	25		2.0	0.90	mg/L			04/17/12 14:16	10

Client Sample Results

Client: Golder Associates Inc.
 Project/Site: Ameren Groundwater Testing

TestAmerica Job ID: 500-45460-1

Client Sample ID: TGP-C

Lab Sample ID: 500-45460-3

Date Collected: 04/12/12 15:00

Matrix: Water

Date Received: 04/14/12 09:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0026		0.020	0.0026	mg/L		04/16/12 10:44	04/16/12 19:16	1
Arsenic	<0.0024		0.010	0.0024	mg/L		04/16/12 10:44	04/16/12 19:16	1
Barium	0.15	B	0.010	0.00044	mg/L		04/16/12 10:44	04/16/12 19:16	1
Beryllium	<0.00044		0.0040	0.00044	mg/L		04/16/12 10:44	04/16/12 19:16	1
Boron	<0.024		0.050	0.024	mg/L		04/16/12 10:44	04/16/12 19:16	1
Cadmium	<0.00054	^	0.0020	0.00054	mg/L		04/16/12 10:44	04/16/12 19:16	1
Chromium	0.0013	J	0.010	0.00096	mg/L		04/16/12 10:44	04/16/12 19:16	1
Copper	<0.0011		0.010	0.0011	mg/L		04/16/12 10:44	04/16/12 19:16	1
Lead	0.0044	J B	0.0050	0.0016	mg/L		04/16/12 10:44	04/16/12 19:16	1
Nickel	<0.0019		0.010	0.0019	mg/L		04/16/12 10:44	04/16/12 19:16	1
Selenium	<0.0027		0.010	0.0027	mg/L		04/16/12 10:44	04/16/12 19:16	1
Silver	<0.0011		0.0050	0.0011	mg/L		04/16/12 10:44	04/16/12 19:16	1
Thallium	<0.0013		0.010	0.0013	mg/L		04/16/12 10:44	04/16/12 19:16	1
Zinc	0.0064	J	0.020	0.0047	mg/L		04/16/12 10:44	04/16/12 19:16	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.070		0.20	0.070	ug/L		04/16/12 14:40	04/17/12 13:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43	B	2.0	0.83	mg/L			04/17/12 14:44	10
Fluoride	0.16	J	0.20	0.029	mg/L			04/17/12 14:30	1
Nitrate as N	5.0		1.0	0.23	mg/L			04/17/12 14:44	10
Sulfate	34		2.0	0.90	mg/L			04/17/12 14:44	10

Client Sample Results

Client: Golder Associates Inc.
Project/Site: Ameren Groundwater Testing

TestAmerica Job ID: 500-45460-1

Client Sample ID: DUP-1

Lab Sample ID: 500-45460-4

Date Collected: 04/12/12 00:00

Matrix: Water

Date Received: 04/14/12 09:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0026		0.020	0.0026	mg/L		04/16/12 10:44	04/16/12 19:23	1
Arsenic	<0.0024		0.010	0.0024	mg/L		04/16/12 10:44	04/16/12 19:23	1
Barium	0.22	B	0.010	0.00044	mg/L		04/16/12 10:44	04/16/12 19:23	1
Beryllium	<0.00044		0.0040	0.00044	mg/L		04/16/12 10:44	04/16/12 19:23	1
Boron	<0.024		0.050	0.024	mg/L		04/16/12 10:44	04/16/12 19:23	1
Cadmium	<0.00054	^	0.0020	0.00054	mg/L		04/16/12 10:44	04/16/12 19:23	1
Chromium	0.0034	J	0.010	0.00096	mg/L		04/16/12 10:44	04/16/12 19:23	1
Copper	<0.0011		0.010	0.0011	mg/L		04/16/12 10:44	04/16/12 19:23	1
Lead	0.0037	J B	0.0050	0.0016	mg/L		04/16/12 10:44	04/16/12 19:23	1
Nickel	0.0021	J	0.010	0.0019	mg/L		04/16/12 10:44	04/16/12 19:23	1
Selenium	<0.0027		0.010	0.0027	mg/L		04/16/12 10:44	04/16/12 19:23	1
Silver	<0.0011		0.0050	0.0011	mg/L		04/16/12 10:44	04/16/12 19:23	1
Thallium	<0.0013		0.010	0.0013	mg/L		04/16/12 10:44	04/16/12 19:23	1
Zinc	<0.0047		0.020	0.0047	mg/L		04/16/12 10:44	04/16/12 19:23	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.070		0.20	0.070	ug/L		04/16/12 14:40	04/17/12 13:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.7	B	0.20	0.083	mg/L			04/17/12 14:59	1
Fluoride	0.18	J	0.20	0.029	mg/L			04/17/12 14:59	1
Nitrate as N	1.3		0.10	0.023	mg/L			04/17/12 14:59	1
Sulfate	14		2.0	0.90	mg/L			04/17/12 15:13	10

Client Sample Results

Client: Golder Associates Inc.
 Project/Site: Ameren Groundwater Testing

TestAmerica Job ID: 500-45460-1

Client Sample ID: RB-1

Lab Sample ID: 500-45460-5

Date Collected: 04/12/12 12:00

Matrix: Water

Date Received: 04/14/12 09:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0026		0.020	0.0026	mg/L		04/16/12 10:44	04/16/12 19:29	1
Arsenic	<0.0024		0.010	0.0024	mg/L		04/16/12 10:44	04/16/12 19:29	1
Barium	0.0028	J B	0.010	0.00044	mg/L		04/16/12 10:44	04/16/12 19:29	1
Beryllium	<0.00044		0.0040	0.00044	mg/L		04/16/12 10:44	04/16/12 19:29	1
Boron	<0.024		0.050	0.024	mg/L		04/16/12 10:44	04/16/12 19:29	1
Cadmium	<0.00054	^	0.0020	0.00054	mg/L		04/16/12 10:44	04/16/12 19:29	1
Chromium	0.0011	J	0.010	0.00096	mg/L		04/16/12 10:44	04/16/12 19:29	1
Copper	0.0017	J	0.010	0.0011	mg/L		04/16/12 10:44	04/16/12 19:29	1
Lead	0.0020	J B	0.0050	0.0016	mg/L		04/16/12 10:44	04/16/12 19:29	1
Nickel	<0.0019		0.010	0.0019	mg/L		04/16/12 10:44	04/16/12 19:29	1
Selenium	<0.0027		0.010	0.0027	mg/L		04/16/12 10:44	04/16/12 19:29	1
Silver	<0.0011		0.0050	0.0011	mg/L		04/16/12 10:44	04/16/12 19:29	1
Thallium	<0.0013		0.010	0.0013	mg/L		04/16/12 10:44	04/16/12 19:29	1
Zinc	0.052		0.020	0.0047	mg/L		04/16/12 10:44	04/16/12 19:29	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.070		0.20	0.070	ug/L		04/16/12 14:40	04/17/12 13:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.64	B	0.20	0.083	mg/L			04/17/12 15:56	1
Fluoride	<0.029		0.20	0.029	mg/L			04/17/12 15:56	1
Nitrate as N	0.28		0.10	0.023	mg/L			04/17/12 15:56	1
Sulfate	0.17	J	0.20	0.090	mg/L			04/17/12 15:56	1

Definitions/Glossary

Client: Golder Associates Inc.
Project/Site: Ameren Groundwater Testing

TestAmerica Job ID: 500-45460-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: Golder Associates Inc.
Project/Site: Ameren Groundwater Testing

TestAmerica Job ID: 500-45460-1

Metals

Prep Batch: 146493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-45460-1	TGP-A	Total/NA	Water	3010A	
500-45460-2	TGP-B	Total/NA	Water	3010A	
500-45460-3	TGP-C	Total/NA	Water	3010A	
500-45460-4	DUP-1	Total/NA	Water	3010A	
500-45460-5	RB-1	Total/NA	Water	3010A	
500-45460-5 DU	RB-1	Total/NA	Water	3010A	
500-45460-5 MS	RB-1	Total/NA	Water	3010A	
500-45460-5 MSD	RB-1	Total/NA	Water	3010A	
LCS 500-146493/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 500-146493/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 146542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-45460-1	TGP-A	Total/NA	Water	7470A	
500-45460-1 DU	TGP-A	Total/NA	Water	7470A	
500-45460-1 MS	TGP-A	Total/NA	Water	7470A	
500-45460-1 MSD	TGP-A	Total/NA	Water	7470A	
500-45460-2	TGP-B	Total/NA	Water	7470A	
500-45460-3	TGP-C	Total/NA	Water	7470A	
500-45460-4	DUP-1	Total/NA	Water	7470A	
500-45460-5	RB-1	Total/NA	Water	7470A	
LCS 500-146542/8-A	Lab Control Sample	Total/NA	Water	7470A	
MB 500-146542/7-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 146602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-45460-1	TGP-A	Total/NA	Water	6010B	146493
500-45460-2	TGP-B	Total/NA	Water	6010B	146493
500-45460-3	TGP-C	Total/NA	Water	6010B	146493
500-45460-4	DUP-1	Total/NA	Water	6010B	146493
500-45460-5	RB-1	Total/NA	Water	6010B	146493
500-45460-5 DU	RB-1	Total/NA	Water	6010B	146493
500-45460-5 MS	RB-1	Total/NA	Water	6010B	146493
500-45460-5 MSD	RB-1	Total/NA	Water	6010B	146493
LCS 500-146493/2-A	Lab Control Sample	Total/NA	Water	6010B	146493
MB 500-146493/1-A	Method Blank	Total/NA	Water	6010B	146493

Analysis Batch: 146679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-45460-1	TGP-A	Total/NA	Water	7470A	146542
500-45460-1 DU	TGP-A	Total/NA	Water	7470A	146542
500-45460-1 MS	TGP-A	Total/NA	Water	7470A	146542
500-45460-1 MSD	TGP-A	Total/NA	Water	7470A	146542
500-45460-2	TGP-B	Total/NA	Water	7470A	146542
500-45460-3	TGP-C	Total/NA	Water	7470A	146542
500-45460-4	DUP-1	Total/NA	Water	7470A	146542
500-45460-5	RB-1	Total/NA	Water	7470A	146542
LCS 500-146542/8-A	Lab Control Sample	Total/NA	Water	7470A	146542
MB 500-146542/7-A	Method Blank	Total/NA	Water	7470A	146542

QC Association Summary

Client: Golder Associates Inc.
Project/Site: Ameren Groundwater Testing

TestAmerica Job ID: 500-45460-1

General Chemistry

Analysis Batch: 146758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-45460-1	TGP-A	Total/NA	Water	9056	
500-45460-1	TGP-A	Total/NA	Water	9056	
500-45460-2	TGP-B	Total/NA	Water	9056	
500-45460-2	TGP-B	Total/NA	Water	9056	
500-45460-3	TGP-C	Total/NA	Water	9056	
500-45460-3	TGP-C	Total/NA	Water	9056	
500-45460-4	DUP-1	Total/NA	Water	9056	
500-45460-4	DUP-1	Total/NA	Water	9056	
500-45460-5	RB-1	Total/NA	Water	9056	
500-45460-5 MS	RB-1	Total/NA	Water	9056	
500-45460-5 MSD	RB-1	Total/NA	Water	9056	
LCS 500-146758/4	Lab Control Sample	Total/NA	Water	9056	
MB 500-146758/3	Method Blank	Total/NA	Water	9056	

QC Sample Results

Client: Golder Associates Inc.
Project/Site: Ameren Groundwater Testing

TestAmerica Job ID: 500-45460-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-146493/1-A
Matrix: Water
Analysis Batch: 146602

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 146493

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0026		0.020	0.0026	mg/L		04/16/12 10:44	04/16/12 18:37	1
Arsenic	<0.0024		0.010	0.0024	mg/L		04/16/12 10:44	04/16/12 18:37	1
Barium	0.000540	J	0.010	0.00044	mg/L		04/16/12 10:44	04/16/12 18:37	1
Beryllium	<0.00044		0.0040	0.00044	mg/L		04/16/12 10:44	04/16/12 18:37	1
Boron	<0.024		0.050	0.024	mg/L		04/16/12 10:44	04/16/12 18:37	1
Cadmium	<0.00054	^	0.0020	0.00054	mg/L		04/16/12 10:44	04/16/12 18:37	1
Chromium	<0.00096		0.010	0.00096	mg/L		04/16/12 10:44	04/16/12 18:37	1
Copper	<0.0011		0.010	0.0011	mg/L		04/16/12 10:44	04/16/12 18:37	1
Lead	0.00204	J	0.0050	0.0016	mg/L		04/16/12 10:44	04/16/12 18:37	1
Nickel	<0.0019		0.010	0.0019	mg/L		04/16/12 10:44	04/16/12 18:37	1
Selenium	<0.0027		0.010	0.0027	mg/L		04/16/12 10:44	04/16/12 18:37	1
Silver	<0.0011		0.0050	0.0011	mg/L		04/16/12 10:44	04/16/12 18:37	1
Thallium	<0.0013		0.010	0.0013	mg/L		04/16/12 10:44	04/16/12 18:37	1
Zinc	<0.0047		0.020	0.0047	mg/L		04/16/12 10:44	04/16/12 18:37	1

Lab Sample ID: LCS 500-146493/2-A
Matrix: Water
Analysis Batch: 146602

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 146493

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.487		mg/L		97	80 - 120
Arsenic	0.100	0.0925		mg/L		93	80 - 120
Barium	2.00	1.88		mg/L		94	80 - 120
Beryllium	0.0500	0.0481		mg/L		96	80 - 120
Boron	1.00	0.919		mg/L		92	80 - 120
Cadmium	0.0500	0.0477	^	mg/L		95	80 - 120
Chromium	0.200	0.196		mg/L		98	80 - 120
Copper	0.250	0.245		mg/L		98	80 - 120
Lead	0.100	0.102		mg/L		102	80 - 120
Nickel	0.500	0.485		mg/L		97	80 - 120
Selenium	0.100	0.0847		mg/L		85	80 - 120
Silver	0.0500	0.0473		mg/L		95	80 - 120
Thallium	0.100	0.0938		mg/L		94	80 - 120
Zinc	0.500	0.476		mg/L		95	80 - 120

Lab Sample ID: 500-45460-5 MS
Matrix: Water
Analysis Batch: 146602

Client Sample ID: RB-1
Prep Type: Total/NA
Prep Batch: 146493

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.0026		0.500	0.493		mg/L		99	75 - 125
Arsenic	<0.0024		0.100	0.0917		mg/L		92	75 - 125
Barium	0.0028	J B	2.00	1.91		mg/L		95	75 - 125
Beryllium	<0.00044		0.0500	0.0489		mg/L		98	75 - 125
Boron	<0.024		1.00	0.926		mg/L		93	75 - 125
Cadmium	<0.00054	^	0.0500	0.0483	^	mg/L		97	75 - 125
Chromium	0.0011	J	0.200	0.200		mg/L		100	75 - 125
Copper	0.0017	J	0.250	0.251		mg/L		100	75 - 125
Lead	0.0020	J B	0.100	0.103		mg/L		101	75 - 125
Nickel	<0.0019		0.500	0.492		mg/L		98	75 - 125

QC Sample Results

Client: Golder Associates Inc.
Project/Site: Ameren Groundwater Testing

TestAmerica Job ID: 500-45460-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 500-45460-5 MS

Matrix: Water

Analysis Batch: 146602

Client Sample ID: RB-1

Prep Type: Total/NA

Prep Batch: 146493

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Selenium	<0.0027		0.100	0.0838		mg/L		84	75 - 125	
Silver	<0.0011		0.0500	0.0476		mg/L		95	75 - 125	
Thallium	<0.0013		0.100	0.0955		mg/L		95	75 - 125	
Zinc	0.052		0.500	0.533		mg/L		96	75 - 125	

Lab Sample ID: 500-45460-5 MSD

Matrix: Water

Analysis Batch: 146602

Client Sample ID: RB-1

Prep Type: Total/NA

Prep Batch: 146493

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Antimony	<0.0026		0.500	0.499		mg/L		100	75 - 125	1.25	20	
Arsenic	<0.0024		0.100	0.0952		mg/L		95	75 - 125	3.72	20	
Barium	0.0028	J B	2.00	1.93		mg/L		96	75 - 125	1.08	20	
Beryllium	<0.00044		0.0500	0.0490		mg/L		98	75 - 125	0.000	20	
Boron	<0.024		1.00	0.932		mg/L		93	75 - 125	1.00	20	
Cadmium	<0.00054	^	0.0500	0.0487	^	mg/L		97	75 - 125	1.00	20	
Chromium	0.0011	J	0.200	0.201		mg/L		100	75 - 125	1.00	20	
Copper	0.0017	J	0.250	0.252		mg/L		100	75 - 125	1.00	20	
Lead	0.0020	J B	0.100	0.103		mg/L		101	75 - 125	1.00	20	
Nickel	<0.0019		0.500	0.495		mg/L		99	75 - 125	1.00	20	
Selenium	<0.0027		0.100	0.0852		mg/L		85	75 - 125	1.61	20	
Silver	<0.0011		0.0500	0.0482		mg/L		96	75 - 125	1.13	20	
Thallium	<0.0013		0.100	0.0954		mg/L		95	75 - 125	0.000	20	
Zinc	0.052		0.500	0.534		mg/L		96	75 - 125	0.000	20	

Lab Sample ID: 500-45460-5 DU

Matrix: Water

Analysis Batch: 146602

Client Sample ID: RB-1

Prep Type: Total/NA

Prep Batch: 146493

Analyte	Sample	Sample	DU		Unit	D	RPD	RPD	
	Result	Qualifier	Result	Qualifier				RPD	Limit
Antimony	<0.0026		<0.0026		mg/L		NC	20	
Arsenic	<0.0024		<0.0024		mg/L		NC	20	
Barium	0.0028	J B	0.000800	J	mg/L		110	20	
Beryllium	<0.00044		<0.00044		mg/L		NC	20	
Boron	<0.024		<0.024		mg/L		NC	20	
Cadmium	<0.00054	^	<0.00054	^	mg/L		NC	20	
Chromium	0.0011	J	0.00120	J	mg/L		12.0	20	
Copper	0.0017	J	0.00189	J	mg/L		11.0	20	
Lead	0.0020	J B	0.00294	J	mg/L		40.0	20	
Nickel	<0.0019		<0.0019		mg/L		NC	20	
Selenium	<0.0027		<0.0027		mg/L		NC	20	
Silver	<0.0011		<0.0011		mg/L		NC	20	
Thallium	<0.0013		<0.0013		mg/L		NC	20	
Zinc	0.052		0.0515		mg/L		1.00	20	

QC Sample Results

Client: Golder Associates Inc.
Project/Site: Ameren Groundwater Testing

TestAmerica Job ID: 500-45460-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-146542/7-A
Matrix: Water
Analysis Batch: 146679

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 146542

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.070		0.20	0.070	ug/L		04/16/12 14:40	04/17/12 13:12	1

Lab Sample ID: LCS 500-146542/8-A
Matrix: Water
Analysis Batch: 146679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 146542

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.00	1.89		ug/L		95	80 - 120

Lab Sample ID: 500-45460-1 MS
Matrix: Water
Analysis Batch: 146679

Client Sample ID: TGP-A
Prep Type: Total/NA
Prep Batch: 146542

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.070		1.00	0.684	F	ug/L		68	75 - 125

Lab Sample ID: 500-45460-1 MSD
Matrix: Water
Analysis Batch: 146679

Client Sample ID: TGP-A
Prep Type: Total/NA
Prep Batch: 146542

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.070		1.00	0.651	F	ug/L		65	75 - 125	4.96	20

Lab Sample ID: 500-45460-1 DU
Matrix: Water
Analysis Batch: 146679

Client Sample ID: TGP-A
Prep Type: Total/NA
Prep Batch: 146542

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.070		1.00	<0.070		ug/L				NC	20

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: MB 500-146758/3
Matrix: Water
Analysis Batch: 146758

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.140	J	0.20	0.083	mg/L			04/17/12 13:04	1
Fluoride	<0.029		0.20	0.029	mg/L			04/17/12 13:04	1
Nitrate as N	<0.023		0.10	0.023	mg/L			04/17/12 13:04	1
Sulfate	<0.090		0.20	0.090	mg/L			04/17/12 13:04	1

Lab Sample ID: LCS 500-146758/4
Matrix: Water
Analysis Batch: 146758

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3.00	3.01		mg/L		100	80 - 120
Fluoride	1.00	1.07		mg/L		107	80 - 120
Nitrate as N	2.00	2.07		mg/L		104	80 - 120
Sulfate	5.00	4.58		mg/L		92	80 - 120

QC Sample Results

Client: Golder Associates Inc.
 Project/Site: Ameren Groundwater Testing

TestAmerica Job ID: 500-45460-1

Lab Sample ID: 500-45460-5 MS
Matrix: Water
Analysis Batch: 146758

Client Sample ID: RB-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	0.64	B	3.00	3.28		mg/L		88	75 - 125
Fluoride	<0.029		1.00	1.07		mg/L		107	75 - 125
Nitrate as N	0.28		2.00	2.08		mg/L		90	75 - 125
Sulfate	0.17	J	5.00	4.82		mg/L		93	75 - 125

Lab Sample ID: 500-45460-5 MSD
Matrix: Water
Analysis Batch: 146758

Client Sample ID: RB-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	0.64	B	3.00	3.26		mg/L		87	75 - 125	1.00	20
Fluoride	<0.029		1.00	1.05		mg/L		105	75 - 125	2.15	20
Nitrate as N	0.28		2.00	2.09		mg/L		90	75 - 125	0.000	20
Sulfate	0.17	J	5.00	4.80		mg/L		92	75 - 125	0.000	20

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Certification Summary

Client: Golder Associates Inc.
 Project/Site: Ameren Groundwater Testing

TestAmerica Job ID: 500-45460-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Georgia	State Program	4	N/A
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Kentucky (UST)	State Program	4	66
TestAmerica Chicago	L-A-B	DoD ELAP		L2304
TestAmerica Chicago	L-A-B	ISO/IEC 17025		L2304
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina DENR	State Program	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	Federal		P330-12-00038
TestAmerica Chicago	Virginia	NELAC	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Login Sample Receipt Checklist

Client: Golder Associates Inc.

Job Number: 500-45460-1

Login Number: 45460

List Source: TestAmerica Chicago

List Number: 1

Creator: Kelsey, Shawn M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	
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 sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

