EAGON & ASSOCIATES, INC.
Consulting Geologists

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October 1, 2014

Mr. Tim Hull
Ohio Environmental Protection Agency
401 East Fifth Street
Dayton, Ohio 45402-2911

RE: Detection Monitoring Program
July 2014 Quarterly Background Sampling Results
CECOS International, Inc. - Aber Road Facility
Williamsburg, Ohio
EPA I.D. No. OHD 087 433 744

Dear Mr. Hull:

On behalf of CECOS International, Inc., transmitted herewith on CD-ROM are the laboratory analytical results for July 2014 background sampling of 18 Detection Monitoring Program (DMP) monitoring wells at CECOS's - Aber Road Facility. The event was completed on July 16, 2014 and included sampling and analysis for the RCRA metals at two Channel Sand (CS) wells and 16 Bedrock-Till Interface (BTI) wells.

In accordance with the facility's October 2012 Post-Closure Plan, additional background sampling was required for inorganic indicator constituents that did not have a minimum of eight observations to form the basis for statistical comparisons of future results at downgradient monitoring wells. The list of quarterly sampled DMP wells is as follows:

MP-233R (BTI)	MP-244R (BTI)	MP-281C (CS)
MP-234R (BTI)	MP-250 (BTI))	MP-404 (BTI)
MP-235R(BTI)	MP-274 (BTI)	MP-406C (CS)
MP-237 (BTI)	MP-279 (BTI)	MP-407 (BTI)
MP-238R (BTI)	MP-280 (BTI)	MP-408 (BTI)
MP-241R (BTI)	MP-281 (BTI)	MP-409 (BTI)

The July 2014 event constitutes the eighth of eight planned background sampling events to be completed at the 18 wells. The statistical analysis program has been updated accordingly and will be submitted to Ohio EPA under separate cover.

Please contact Dan Deborde at (513) 724-6114 if you have any questions regarding this submittal.

Sincerely,

Michael T. Gibson, CPG
Hydrogeologist

MTG/ms
encl.
cc: Steve Johnson, US EPA Region 5 (w/encl.)
Brian Freeman, US EPA Region 5 (w/encl.)
Steve Rabolt, Clermont County Administrator (w/encl.)
Daniel Deborde, Republic Services, Inc. (w/encl.)
Joe Montello, Republic Services, Inc. (w/o encl.)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-64039-1
Client Project/Site: Aber Rd. Landfill - Dissolved Metals

For:
Republic Services Inc
5092 Aber Road
Williamsburg, Ohio 45176

Attn: Mr. Dan Deborde

Authorized for release by:
7/28/2014 10:39:12 AM

Brian Fischer, Manager of Project Management
(716)504-9835
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LINKS

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Have a Question? Ask The Expert

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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.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Brian Fischer
Manager of Project Management
7/28/2014 10:39:12 AM

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Qualifiers

Metals

Qualifier	Qualifier Description
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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-407

Lab Sample ID: 480-64039-1

Date Collected: 07/15/14 12:15

Matrix: Water

Date Received: 07/18/14 09:00

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.75**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 12:54	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 12:54	1
Chromium, Dissolved	**0.0015**	**J**	0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 12:54	1
Lead, Dissolved	ND		0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 12:54	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 12:54	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 12:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0063**		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 03:49	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:03	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.49**				SU			07/15/14 12:15	1
Field Conductivity	**2015**				umhos/cm			07/15/14 12:15	1
Field Temperature	**15.7**				Degrees C			07/15/14 12:15	1
Field Turbidity	**5.98**				NTU			07/15/14 12:15	1
Oxidation Reduction Potential	**-168.3**				millivolts			07/15/14 12:15	1
Oxygen, Dissolved	**0.07**				mg/L			07/15/14 12:15	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-409

Lab Sample ID: 480-64039-2

Date Collected: 07/15/14 13:40

Matrix: Water

Date Received: 07/18/14 09:00

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.12**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 12:57	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 12:57	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 12:57	1
Lead, Dissolved	ND		0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 12:57	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 12:57	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 12:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0029**		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 03:55	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:05	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.48**				SU			07/15/14 13:40	1
Field Conductivity	**890**				umhos/cm			07/15/14 13:40	1
Field Temperature	**15.6**				Degrees C			07/15/14 13:40	1
Field Turbidity	**5.16**				NTU			07/15/14 13:40	1
Oxidation Reduction Potential	**-114.4**				millivolts			07/15/14 13:40	1
Oxygen, Dissolved	**0.06**				mg/L			07/15/14 13:40	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-406C

Lab Sample ID: 480-64039-3

Date Collected: 07/15/14 14:20

Matrix: Water

Date Received: 07/18/14 09:00

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.15**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 13:00	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 13:00	1
Chromium, Dissolved	**0.0010**	**J**	0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 13:00	1
Lead, Dissolved	ND		0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 13:00	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 13:00	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0037**		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 04:00	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:06	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.31**				SU			07/15/14 14:20	1
Field Conductivity	**987**				umhos/cm			07/15/14 14:20	1
Field Temperature	**15.4**				Degrees C			07/15/14 14:20	1
Field Turbidity	**1.97**				NTU			07/15/14 14:20	1
Oxidation Reduction Potential	**-82.8**				millivolts			07/15/14 14:20	1
Oxygen, Dissolved	**0.19**				mg/L			07/15/14 14:20	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-408

Lab Sample ID: 480-64039-4

Date Collected: 07/15/14 15:10

Matrix: Water

Date Received: 07/18/14 09:00

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.69**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 13:03	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 13:03	1
Chromium, Dissolved	**0.0013**	**J**	0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 13:03	1
Lead, Dissolved	ND		0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 13:03	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 13:03	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.057**		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 04:24	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:11	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.24**				SU			07/15/14 15:10	1
Field Conductivity	**3882**				umhos/cm			07/15/14 15:10	1
Field Temperature	**15.8**				Degrees C			07/15/14 15:10	1
Field Turbidity	**8.91**				NTU			07/15/14 15:10	1
Oxidation Reduction Potential	**-161.6**				millivolts			07/15/14 15:10	1
Oxygen, Dissolved	**0.07**				mg/L			07/15/14 15:10	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-281C

Lab Sample ID: 480-64039-5

Date Collected: 07/15/14 15:50

Matrix: Water

Date Received: 07/18/14 09:00

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.055**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 13:06	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 13:06	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 13:06	1
Lead, Dissolved	**0.0047**	**J**	0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 13:06	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 13:06	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 13:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0046**		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 04:29	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:14	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.15**				SU			07/15/14 15:50	1
Field Conductivity	**1201**				umhos/cm			07/15/14 15:50	1
Field Temperature	**14.8**				Degrees C			07/15/14 15:50	1
Field Turbidity	**1.13**				NTU			07/15/14 15:50	1
Oxidation Reduction Potential	**-62.4**				millivolts			07/15/14 15:50	1
Oxygen, Dissolved	**0.10**				mg/L			07/15/14 15:50	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-281

Lab Sample ID: 480-64039-6

Date Collected: 07/15/14 16:25

Matrix: Water

Date Received: 07/18/14 09:00

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.28**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 13:17	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 13:17	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 13:17	1
Lead, Dissolved	ND		0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 13:17	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 13:17	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0023**		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 04:35	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.33**				SU			07/15/14 16:25	1
Field Conductivity	**1481**				umhos/cm			07/15/14 16:25	1
Field Temperature	**15.1**				Degrees C			07/15/14 16:25	1
Field Turbidity	**2.20**				NTU			07/15/14 16:25	1
Oxidation Reduction Potential	**-75.2**				millivolts			07/15/14 16:25	1
Oxygen, Dissolved	**0.06**				mg/L			07/15/14 16:25	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-280

Lab Sample ID: 480-64039-7

Date Collected: 07/15/14 17:40

Matrix: Water

Date Received: 07/18/14 09:00

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.34**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 13:20	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 13:20	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 13:20	1
Lead, Dissolved	ND		0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 13:20	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 13:20	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 13:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.026**		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 04:40	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:17	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.64**				SU			07/15/14 17:40	1
Field Conductivity	**1435**				umhos/cm			07/15/14 17:40	1
Field Temperature	**14.5**				Degrees C			07/15/14 17:40	1
Field Turbidity	**7.41**				NTU			07/15/14 17:40	1
Oxidation Reduction Potential	**-195.9**				millivolts			07/15/14 17:40	1
Oxygen, Dissolved	**0.04**				mg/L			07/15/14 17:40	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-274

Lab Sample ID: 480-64039-8

Date Collected: 07/16/14 08:30

Matrix: Water

Date Received: 07/18/14 09:00

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.44**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 13:22	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 13:22	1
Chromium, Dissolved	**0.0011**	**J**	0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 13:22	1
Lead, Dissolved	ND		0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 13:22	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 13:22	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0025**		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 04:46	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.64**				SU			07/16/14 08:30	1
Field Conductivity	**1184**				umhos/cm			07/16/14 08:30	1
Field Temperature	**14.5**				Degrees C			07/16/14 08:30	1
Field Turbidity	**4.17**				NTU			07/16/14 08:30	1
Oxidation Reduction Potential	**-42.1**				millivolts			07/16/14 08:30	1
Oxygen, Dissolved	**0.11**				mg/L			07/16/14 08:30	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-404

Lab Sample ID: 480-64039-9

Date Collected: 07/16/14 08:50

Matrix: Water

Date Received: 07/18/14 09:00

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.38**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 13:25	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 13:25	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 13:25	1
Lead, Dissolved	ND		0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 13:25	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 13:25	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0036**		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 04:51	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:24	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.45**				SU			07/16/14 08:50	1
Field Conductivity	**1561**				umhos/cm			07/16/14 08:50	1
Field Temperature	**15.1**				Degrees C			07/16/14 08:50	1
Field Turbidity	**4.22**				NTU			07/16/14 08:50	1
Oxidation Reduction Potential	**-21.4**				millivolts			07/16/14 08:50	1
Oxygen, Dissolved	**0.64**				mg/L			07/16/14 08:50	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-279

Lab Sample ID: 480-64039-10

Date Collected: 07/16/14 09:35

Matrix: Water

Date Received: 07/18/14 09:00

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**1.0**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 13:28	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 13:28	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 13:28	1
Lead, Dissolved	**0.0034**	**J**	0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 13:28	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 13:28	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 13:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.021**		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 04:57	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.12**				SU			07/16/14 09:35	1
Field Conductivity	**7321**				umhos/cm			07/16/14 09:35	1
Field Temperature	**14.8**				Degrees C			07/16/14 09:35	1
Field Turbidity	**3.38**				NTU			07/16/14 09:35	1
Oxidation Reduction Potential	**-67.7**				millivolts			07/16/14 09:35	1
Oxygen, Dissolved	**0.07**				mg/L			07/16/14 09:35	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-241R

Lab Sample ID: 480-64039-11

Date Collected: 07/16/14 10:08

Matrix: Water

Date Received: 07/18/14 09:00

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.045**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 13:31	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 13:31	1
Chromium, Dissolved	**0.0023**	**J**	0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 13:31	1
Lead, Dissolved	ND		0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 13:31	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 13:31	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0021**		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 05:02	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:27	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**8.50**				SU			07/16/14 10:08	1
Field Conductivity	**899**				umhos/cm			07/16/14 10:08	1
Field Temperature	**16.4**				Degrees C			07/16/14 10:08	1
Field Turbidity	**8.86**				NTU			07/16/14 10:08	1
Oxidation Reduction Potential	**-127.8**				millivolts			07/16/14 10:08	1
Oxygen, Dissolved	**0.41**				mg/L			07/16/14 10:08	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-233R

Lab Sample ID: 480-64039-12

Date Collected: 07/16/14 10:30

Matrix: Water

Date Received: 07/18/14 09:00

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.50**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 13:34	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 13:34	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 13:34	1
Lead, Dissolved	ND		0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 13:34	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 13:34	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0067**		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 05:08	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:32	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.47**				SU			07/16/14 10:30	1
Field Conductivity	**1996**				umhos/cm			07/16/14 10:30	1
Field Temperature	**16.6**				Degrees C			07/16/14 10:30	1
Field Turbidity	**7.05**				NTU			07/16/14 10:30	1
Oxidation Reduction Potential	**-118.5**				millivolts			07/16/14 10:30	1
Oxygen, Dissolved	**0.07**				mg/L			07/16/14 10:30	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: DUPLICATE

Lab Sample ID: 480-64039-13

Date Collected: 07/16/14 10:30

Matrix: Water

Date Received: 07/18/14 09:00

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.50**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 13:37	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 13:37	1
Chromium, Dissolved	**0.0010**	**J**	0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 13:37	1
Lead, Dissolved	ND		0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 13:37	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 13:37	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 13:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0068**		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 05:13	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:33	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.47**				SU			07/16/14 10:30	1
Field Conductivity	**1996**				umhos/cm			07/16/14 10:30	1
Field Temperature	**16.6**				Degrees C			07/16/14 10:30	1
Field Turbidity	**6.86**				NTU			07/16/14 10:30	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-250

Lab Sample ID: 480-64039-14

Date Collected: 07/16/14 10:53
Matrix: Water
Date Received: 07/18/14 09:00

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.053**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 13:40	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 13:40	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 13:40	1
Lead, Dissolved	ND		0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 13:40	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 13:40	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0012**		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 05:37	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:35	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.35**				SU			07/16/14 10:53	1
Field Conductivity	**942**				umhos/cm			07/16/14 10:53	1
Field Temperature	**14.9**				Degrees C			07/16/14 10:53	1
Field Turbidity	**1.36**				NTU			07/16/14 10:53	1
Oxidation Reduction Potential	**64.3**				millivolts			07/16/14 10:53	1
Oxygen, Dissolved	**0.40**				mg/L			07/16/14 10:53	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-244R

Lab Sample ID: 480-64039-15

Date Collected: 07/16/14 11:25
Date Received: 07/18/14 09:00

Matrix: Water

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.024**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 13:51	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 13:51	1
Chromium, Dissolved	**0.0012**	**J**	0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 13:51	1
Lead, Dissolved	ND		0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 13:51	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 13:51	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 13:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0025**		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 05:42	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:37	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.52**				SU			07/16/14 11:25	1
Field Conductivity	**1689**				umhos/cm			07/16/14 11:25	1
Field Temperature	**14.8**				Degrees C			07/16/14 11:25	1
Field Turbidity	**4.02**				NTU			07/16/14 11:25	1
Oxidation Reduction Potential	**-81.9**				millivolts			07/16/14 11:25	1
Oxygen, Dissolved	**0.14**				mg/L			07/16/14 11:25	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-238R

Lab Sample ID: 480-64039-16

Date Collected: 07/16/14 12:15
Matrix: Water
Date Received: 07/18/14 09:00

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.047**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 13:54	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 13:54	1
Chromium, Dissolved	**0.0010**	**J**	0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 13:54	1
Lead, Dissolved	ND		0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 13:54	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 13:54	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 13:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00051**	**J**	0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 05:48	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:38	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.51**				SU			07/16/14 12:15	1
Field Conductivity	**957**				umhos/cm			07/16/14 12:15	1
Field Temperature	**16.0**				Degrees C			07/16/14 12:15	1
Field Turbidity	**2.56**				NTU			07/16/14 12:15	1
Oxidation Reduction Potential	**14.4**				millivolts			07/16/14 12:15	1
Oxygen, Dissolved	**0.51**				mg/L			07/16/14 12:15	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-237

Lab Sample ID: 480-64039-17

Date Collected: 07/16/14 13:42

Matrix: Water

Date Received: 07/18/14 09:00

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.027**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 13:57	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 13:57	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 13:57	1
Lead, Dissolved	ND		0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 13:57	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 13:57	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0015**		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 05:53	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:40	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.79**				SU			07/16/14 13:42	1
Field Conductivity	**1070**				umhos/cm			07/16/14 13:42	1
Field Temperature	**15.4**				Degrees C			07/16/14 13:42	1
Field Turbidity	**0.28**				NTU			07/16/14 13:42	1
Oxidation Reduction Potential	**-17.6**				millivolts			07/16/14 13:42	1
Oxygen, Dissolved	**0.18**				mg/L			07/16/14 13:42	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-235R

Lab Sample ID: 480-64039-18

Date Collected: 07/16/14 14:25
Matrix: Water
Date Received: 07/18/14 09:00

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.041**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 14:10	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 14:10	1
Chromium, Dissolved	**0.0016**	**J**	0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 14:10	1
Lead, Dissolved	ND		0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 14:10	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 14:10	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 14:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0030**		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 06:21	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:47	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.46**				SU			07/16/14 14:25	1
Field Conductivity	**1601**				umhos/cm			07/16/14 14:25	1
Field Temperature	**15.7**				Degrees C			07/16/14 14:25	1
Field Turbidity	**0.02**				NTU			07/16/14 14:25	1
Oxidation Reduction Potential	**-18.7**				millivolts			07/16/14 14:25	1
Oxygen, Dissolved	**0.41**				mg/L			07/16/14 14:25	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-234R

Lab Sample ID: 480-64039-19

Date Collected: 07/16/14 14:30
Matrix: Water
Date Received: 07/18/14 09:00

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.040**		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 14:13	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 14:13	1
Chromium, Dissolved	**0.0011**	**J**	0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 14:13	1
Lead, Dissolved	ND		0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 14:13	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 14:13	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 14:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0056**		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 06:26	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:52	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.36**				SU			07/16/14 14:30	1
Field Conductivity	**2668**				umhos/cm			07/16/14 14:30	1
Field Temperature	**15.6**				Degrees C			07/16/14 14:30	1
Field Turbidity	**2.51**				NTU			07/16/14 14:30	1
Oxidation Reduction Potential	**-55.2**				millivolts			07/16/14 14:30	1
Oxygen, Dissolved	**0.33**				mg/L			07/16/14 14:30	1

QC Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-193797/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 194264 — **Prep Batch: 193797**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	ND		0.0020	0.00070	mg/L		07/21/14 08:30	07/22/14 12:49	1
Cadmium, Dissolved	ND		0.0010	0.00050	mg/L		07/21/14 08:30	07/22/14 12:49	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		07/21/14 08:30	07/22/14 12:49	1
Lead, Dissolved	ND		0.0050	0.0030	mg/L		07/21/14 08:30	07/22/14 12:49	1
Selenium, Dissolved	ND		0.015	0.0087	mg/L		07/21/14 08:30	07/22/14 12:49	1
Silver, Dissolved	ND		0.0030	0.0017	mg/L		07/21/14 08:30	07/22/14 12:49	1

Lab Sample ID: LCS 480-193797/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 194264 — **Prep Batch: 193797**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium, Dissolved	0.200	0.218		mg/L		109	80 - 120
Cadmium, Dissolved	0.200	0.210		mg/L		105	80 - 120
Chromium, Dissolved	0.200	0.206		mg/L		103	80 - 120
Lead, Dissolved	0.200	0.210		mg/L		105	80 - 120
Selenium, Dissolved	0.200	0.213		mg/L		107	80 - 120
Silver, Dissolved	0.0500	0.0537		mg/L		107	80 - 120

Lab Sample ID: 480-64039-17MS — **Client Sample ID: MP-237**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 194264 — **Prep Batch: 193797**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium, Dissolved	0.027		0.200	0.245		mg/L		109	75 - 125
Cadmium, Dissolved	ND		0.200	0.214		mg/L		107	75 - 125
Chromium, Dissolved	ND		0.200	0.203		mg/L		102	75 - 125
Lead, Dissolved	ND		0.200	0.217		mg/L		109	75 - 125
Selenium, Dissolved	ND		0.200	0.221		mg/L		111	75 - 125
Silver, Dissolved	ND		0.0500	0.0557		mg/L		111	75 - 125

Lab Sample ID: 480-64039-17MSD — **Client Sample ID: MP-237**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 194264 — **Prep Batch: 193797**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium, Dissolved	0.027		0.200	0.241		mg/L		107	75 - 125	2	20
Cadmium, Dissolved	ND		0.200	0.212		mg/L		106	75 - 125	1	20
Chromium, Dissolved	ND		0.200	0.204		mg/L		102	75 - 125	1	20
Lead, Dissolved	ND		0.200	0.212		mg/L		106	75 - 125	2	20
Selenium, Dissolved	ND		0.200	0.226		mg/L		113	75 - 125	2	20
Silver, Dissolved	ND		0.0500	0.0549		mg/L		110	75 - 125	2	20

QC Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 480-193903/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 194348 — **Prep Batch: 193903**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.000078	mg/L		07/21/14 12:05	07/23/14 03:38	1

Lab Sample ID: LCS 480-193903/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 194348 — **Prep Batch: 193903**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	0.0200	0.0207		mg/L		104	80 - 120

Lab Sample ID: 480-64039-17MS — **Client Sample ID: MP-237**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 194348 — **Prep Batch: 193903**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	0.0015		0.0200	0.0236		mg/L		110	75 - 125

Lab Sample ID: 480-64039-17MSD — **Client Sample ID: MP-237**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 194348 — **Prep Batch: 193903**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic, Dissolved	0.0015		0.0200	0.0234		mg/L		109	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-194019/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 194185 — **Prep Batch: 194019**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 11:31	1

Lab Sample ID: LCS 480-194019/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 194185 — **Prep Batch: 194019**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	0.00667	0.00678		mg/L		102	80 - 120

Lab Sample ID: MB 480-194020/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 194185 — **Prep Batch: 194020**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		07/22/14 08:15	07/22/14 12:20	1

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

Lab Sample ID: LCS 480-194020/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 194185 — **Prep Batch: 194020**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury, Dissolved			0.00667	0.00635		mg/L		95	80 - 120		

Lab Sample ID: 480-64039-17MS — **Client Sample ID: MP-237**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 194185 — **Prep Batch: 194020**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury, Dissolved	ND		0.00667	0.00703		mg/L		105	75 - 125		

Lab Sample ID: 480-64039-17MSD — **Client Sample ID: MP-237**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 194185 — **Prep Batch: 194020**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury, Dissolved	ND		0.00667	0.00705		mg/L		106	75 - 125	0	20

QC Association Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Metals

Prep Batch: 193797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-64039-1	MP-407	Dissolved	Water	3005A	
480-64039-2	MP-409	Dissolved	Water	3005A	
480-64039-3	MP-406C	Dissolved	Water	3005A	
480-64039-4	MP-408	Dissolved	Water	3005A	
480-64039-5	MP-281C	Dissolved	Water	3005A	
480-64039-6	MP-281	Dissolved	Water	3005A	
480-64039-7	MP-280	Dissolved	Water	3005A	
480-64039-8	MP-274	Dissolved	Water	3005A	
480-64039-9	MP-404	Dissolved	Water	3005A	
480-64039-10	MP-279	Dissolved	Water	3005A	
480-64039-11	MP-241R	Dissolved	Water	3005A	
480-64039-12	MP-233R	Dissolved	Water	3005A	
480-64039-13	DUPLICATE	Dissolved	Water	3005A	
480-64039-14	MP-250	Dissolved	Water	3005A	
480-64039-15	MP-244R	Dissolved	Water	3005A	
480-64039-16	MP-238R	Dissolved	Water	3005A	
480-64039-17	MP-237	Dissolved	Water	3005A	
480-64039-17MS	MP-237	Dissolved	Water	3005A	
480-64039-17MSD	MP-237	Dissolved	Water	3005A	
480-64039-18	MP-235R	Dissolved	Water	3005A	
480-64039-19	MP-234R	Dissolved	Water	3005A	
LCS 480-193797/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 480-193797/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 193903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-64039-1	MP-407	Dissolved	Water	3020A	
480-64039-2	MP-409	Dissolved	Water	3020A	
480-64039-3	MP-406C	Dissolved	Water	3020A	
480-64039-4	MP-408	Dissolved	Water	3020A	
480-64039-5	MP-281C	Dissolved	Water	3020A	
480-64039-6	MP-281	Dissolved	Water	3020A	
480-64039-7	MP-280	Dissolved	Water	3020A	
480-64039-8	MP-274	Dissolved	Water	3020A	
480-64039-9	MP-404	Dissolved	Water	3020A	
480-64039-10	MP-279	Dissolved	Water	3020A	
480-64039-11	MP-241R	Dissolved	Water	3020A	
480-64039-12	MP-233R	Dissolved	Water	3020A	
480-64039-13	DUPLICATE	Dissolved	Water	3020A	
480-64039-14	MP-250	Dissolved	Water	3020A	
480-64039-15	MP-244R	Dissolved	Water	3020A	
480-64039-16	MP-238R	Dissolved	Water	3020A	
480-64039-17	MP-237	Dissolved	Water	3020A	
480-64039-17MS	MP-237	Dissolved	Water	3020A	
480-64039-17MSD	MP-237	Dissolved	Water	3020A	
480-64039-18	MP-235R	Dissolved	Water	3020A	
480-64039-19	MP-234R	Dissolved	Water	3020A	
LCS 480-193903/2-A	Lab Control Sample	Total/NA	Water	3020A	
MB 480-193903/1-A	Method Blank	Total/NA	Water	3020A	

Metals (Continued)

Prep Batch: 194019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-64039-1	MP-407	Dissolved	Water	7470A	
480-64039-2	MP-409	Dissolved	Water	7470A	
480-64039-3	MP-406C	Dissolved	Water	7470A	
480-64039-4	MP-408	Dissolved	Water	7470A	
480-64039-5	MP-281C	Dissolved	Water	7470A	
480-64039-6	MP-281	Dissolved	Water	7470A	
480-64039-7	MP-280	Dissolved	Water	7470A	
480-64039-8	MP-274	Dissolved	Water	7470A	
LCS 480-194019/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-194019/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 194020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-64039-9	MP-404	Dissolved	Water	7470A	
480-64039-10	MP-279	Dissolved	Water	7470A	
480-64039-11	MP-241R	Dissolved	Water	7470A	
480-64039-12	MP-233R	Dissolved	Water	7470A	
480-64039-13	DUPLICATE	Dissolved	Water	7470A	
480-64039-14	MP-250	Dissolved	Water	7470A	
480-64039-15	MP-244R	Dissolved	Water	7470A	
480-64039-16	MP-238R	Dissolved	Water	7470A	
480-64039-17	MP-237	Dissolved	Water	7470A	
480-64039-17MS	MP-237	Dissolved	Water	7470A	
480-64039-17MSD	MP-237	Dissolved	Water	7470A	
480-64039-18	MP-235R	Dissolved	Water	7470A	
480-64039-19	MP-234R	Dissolved	Water	7470A	
LCS 480-194020/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-194020/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 194185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-64039-1	MP-407	Dissolved	Water	7470A	194019
480-64039-2	MP-409	Dissolved	Water	7470A	194019
480-64039-3	MP-406C	Dissolved	Water	7470A	194019
480-64039-4	MP-408	Dissolved	Water	7470A	194019
480-64039-5	MP-281C	Dissolved	Water	7470A	194019
480-64039-6	MP-281	Dissolved	Water	7470A	194019
480-64039-7	MP-280	Dissolved	Water	7470A	194019
480-64039-8	MP-274	Dissolved	Water	7470A	194019
480-64039-9	MP-404	Dissolved	Water	7470A	194020
480-64039-10	MP-279	Dissolved	Water	7470A	194020
480-64039-11	MP-241R	Dissolved	Water	7470A	194020
480-64039-12	MP-233R	Dissolved	Water	7470A	194020
480-64039-13	DUPLICATE	Dissolved	Water	7470A	194020
480-64039-14	MP-250	Dissolved	Water	7470A	194020
480-64039-15	MP-244R	Dissolved	Water	7470A	194020
480-64039-16	MP-238R	Dissolved	Water	7470A	194020
480-64039-17	MP-237	Dissolved	Water	7470A	194020
480-64039-17MS	MP-237	Dissolved	Water	7470A	194020
480-64039-17MSD	MP-237	Dissolved	Water	7470A	194020
480-64039-18	MP-235R	Dissolved	Water	7470A	194020

Metals (Continued)

Analysis Batch: 194185 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-64039-19	MP-234R	Dissolved	Water	7470A	194020
LCS 480-194019/2-A	Lab Control Sample	Total/NA	Water	7470A	194019
LCS 480-194020/2-A	Lab Control Sample	Total/NA	Water	7470A	194020
MB 480-194019/1-A	Method Blank	Total/NA	Water	7470A	194019
MB 480-194020/1-A	Method Blank	Total/NA	Water	7470A	194020

Analysis Batch: 194264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-64039-1	MP-407	Dissolved	Water	6010C	193797
480-64039-2	MP-409	Dissolved	Water	6010C	193797
480-64039-3	MP-406C	Dissolved	Water	6010C	193797
480-64039-4	MP-408	Dissolved	Water	6010C	193797
480-64039-5	MP-281C	Dissolved	Water	6010C	193797
480-64039-6	MP-281	Dissolved	Water	6010C	193797
480-64039-7	MP-280	Dissolved	Water	6010C	193797
480-64039-8	MP-274	Dissolved	Water	6010C	193797
480-64039-9	MP-404	Dissolved	Water	6010C	193797
480-64039-10	MP-279	Dissolved	Water	6010C	193797
480-64039-11	MP-241R	Dissolved	Water	6010C	193797
480-64039-12	MP-233R	Dissolved	Water	6010C	193797
480-64039-13	DUPLICATE	Dissolved	Water	6010C	193797
480-64039-14	MP-250	Dissolved	Water	6010C	193797
480-64039-15	MP-244R	Dissolved	Water	6010C	193797
480-64039-16	MP-238R	Dissolved	Water	6010C	193797
480-64039-17	MP-237	Dissolved	Water	6010C	193797
480-64039-17MS	MP-237	Dissolved	Water	6010C	193797
480-64039-17MSD	MP-237	Dissolved	Water	6010C	193797
480-64039-18	MP-235R	Dissolved	Water	6010C	193797
480-64039-19	MP-234R	Dissolved	Water	6010C	193797
LCS 480-193797/2-A	Lab Control Sample	Total Recoverable	Water	6010C	193797
MB 480-193797/1-A	Method Blank	Total Recoverable	Water	6010C	193797

Analysis Batch: 194348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-64039-1	MP-407	Dissolved	Water	6020A	193903
480-64039-2	MP-409	Dissolved	Water	6020A	193903
480-64039-3	MP-406C	Dissolved	Water	6020A	193903
480-64039-4	MP-408	Dissolved	Water	6020A	193903
480-64039-5	MP-281C	Dissolved	Water	6020A	193903
480-64039-6	MP-281	Dissolved	Water	6020A	193903
480-64039-7	MP-280	Dissolved	Water	6020A	193903
480-64039-8	MP-274	Dissolved	Water	6020A	193903
480-64039-9	MP-404	Dissolved	Water	6020A	193903
480-64039-10	MP-279	Dissolved	Water	6020A	193903
480-64039-11	MP-241R	Dissolved	Water	6020A	193903
480-64039-12	MP-233R	Dissolved	Water	6020A	193903
480-64039-13	DUPLICATE	Dissolved	Water	6020A	193903
480-64039-14	MP-250	Dissolved	Water	6020A	193903
480-64039-15	MP-244R	Dissolved	Water	6020A	193903
480-64039-16	MP-238R	Dissolved	Water	6020A	193903
480-64039-17	MP-237	Dissolved	Water	6020A	193903

Metals (Continued)

Analysis Batch: 194348 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-64039-17MS	MP-237	Dissolved	Water	6020A	193903
480-64039-17MSD	MP-237	Dissolved	Water	6020A	193903
480-64039-18	MP-235R	Dissolved	Water	6020A	193903
480-64039-19	MP-234R	Dissolved	Water	6020A	193903
LCS 480-193903/2-A	Lab Control Sample	Total/NA	Water	6020A	193903
MB 480-193903/1-A	Method Blank	Total/NA	Water	6020A	193903

Field Service / Mobile Lab

Analysis Batch: 193633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-64039-1	MP-407	Total/NA	Water	Field Sampling	
480-64039-2	MP-409	Total/NA	Water	Field Sampling	
480-64039-3	MP-406C	Total/NA	Water	Field Sampling	
480-64039-4	MP-408	Total/NA	Water	Field Sampling	
480-64039-5	MP-281C	Total/NA	Water	Field Sampling	
480-64039-6	MP-281	Total/NA	Water	Field Sampling	
480-64039-7	MP-280	Total/NA	Water	Field Sampling	
480-64039-8	MP-274	Total/NA	Water	Field Sampling	
480-64039-9	MP-404	Total/NA	Water	Field Sampling	
480-64039-10	MP-279	Total/NA	Water	Field Sampling	
480-64039-11	MP-241R	Total/NA	Water	Field Sampling	
480-64039-12	MP-233R	Total/NA	Water	Field Sampling	
480-64039-13	DUPLICATE	Total/NA	Water	Field Sampling	
480-64039-14	MP-250	Total/NA	Water	Field Sampling	
480-64039-15	MP-244R	Total/NA	Water	Field Sampling	
480-64039-16	MP-238R	Total/NA	Water	Field Sampling	
480-64039-17	MP-237	Total/NA	Water	Field Sampling	
480-64039-17MS	MP-237	Total/NA	Water	Field Sampling	
480-64039-17MSD	MP-237	Total/NA	Water	Field Sampling	
480-64039-18	MP-235R	Total/NA	Water	Field Sampling	
480-64039-19	MP-234R	Total/NA	Water	Field Sampling	

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-407

Lab Sample ID: 480-64039-1
Date Collected: 07/15/14 12:15
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 12:54	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 03:49	TRB	TAL BUF
Dissolved	Prep	7470A			194019	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:03	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/15/14 12:15	FLD	TAL BUF

Client Sample ID: MP-409

Lab Sample ID: 480-64039-2
Date Collected: 07/15/14 13:40
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 12:57	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 03:55	TRB	TAL BUF
Dissolved	Prep	7470A			194019	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:05	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/15/14 13:40	FLD	TAL BUF

Client Sample ID: MP-406C

Lab Sample ID: 480-64039-3
Date Collected: 07/15/14 14:20
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 13:00	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 04:00	TRB	TAL BUF
Dissolved	Prep	7470A			194019	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:06	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/15/14 14:20	FLD	TAL BUF

Client Sample ID: MP-408

Lab Sample ID: 480-64039-4
Date Collected: 07/15/14 15:10
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 13:03	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 04:24	TRB	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-408

Lab Sample ID: 480-64039-4
Date Collected: 07/15/14 15:10
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			194019	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:11	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/15/14 15:10	FLD	TAL BUF

Client Sample ID: MP-281C

Lab Sample ID: 480-64039-5
Date Collected: 07/15/14 15:50
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 13:06	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 04:29	TRB	TAL BUF
Dissolved	Prep	7470A			194019	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:14	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/15/14 15:50	FLD	TAL BUF

Client Sample ID: MP-281

Lab Sample ID: 480-64039-6
Date Collected: 07/15/14 16:25
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 13:17	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 04:35	TRB	TAL BUF
Dissolved	Prep	7470A			194019	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:15	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/15/14 16:25	FLD	TAL BUF

Client Sample ID: MP-280

Lab Sample ID: 480-64039-7
Date Collected: 07/15/14 17:40
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 13:20	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 04:40	TRB	TAL BUF
Dissolved	Prep	7470A			194019	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:17	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/15/14 17:40	FLD	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-274

Lab Sample ID: 480-64039-8

Date Collected: 07/16/14 08:30
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 13:22	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 04:46	TRB	TAL BUF
Dissolved	Prep	7470A			194019	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:18	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/16/14 08:30	FLD	TAL BUF

Client Sample ID: MP-404

Lab Sample ID: 480-64039-9

Date Collected: 07/16/14 08:50
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 13:25	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 04:51	TRB	TAL BUF
Dissolved	Prep	7470A			194020	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:24	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/16/14 08:50	FLD	TAL BUF

Client Sample ID: MP-279

Lab Sample ID: 480-64039-10

Date Collected: 07/16/14 09:35
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 13:28	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 04:57	TRB	TAL BUF
Dissolved	Prep	7470A			194020	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:25	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/16/14 09:35	FLD	TAL BUF

Client Sample ID: MP-241R

Lab Sample ID: 480-64039-11

Date Collected: 07/16/14 10:08
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 13:31	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 05:02	TRB	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-241R

Lab Sample ID: 480-64039-11

Date Collected: 07/16/14 10:08
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			194020	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:27	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/16/14 10:08	FLD	TAL BUF

Client Sample ID: MP-233R

Lab Sample ID: 480-64039-12

Date Collected: 07/16/14 10:30
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 13:34	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 05:08	TRB	TAL BUF
Dissolved	Prep	7470A			194020	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:32	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/16/14 10:30	FLD	TAL BUF

Client Sample ID: DUPLICATE

Lab Sample ID: 480-64039-13

Date Collected: 07/16/14 10:30
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 13:37	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 05:13	TRB	TAL BUF
Dissolved	Prep	7470A			194020	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:33	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/16/14 10:30	FLD	TAL BUF

Client Sample ID: MP-250

Lab Sample ID: 480-64039-14

Date Collected: 07/16/14 10:53
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 13:40	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 05:37	TRB	TAL BUF
Dissolved	Prep	7470A			194020	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:35	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/16/14 10:53	FLD	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-244R

Lab Sample ID: 480-64039-15

Date Collected: 07/16/14 11:25
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 13:51	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 05:42	TRB	TAL BUF
Dissolved	Prep	7470A			194020	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:37	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/16/14 11:25	FLD	TAL BUF

Client Sample ID: MP-238R

Lab Sample ID: 480-64039-16

Date Collected: 07/16/14 12:15
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 13:54	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 05:48	TRB	TAL BUF
Dissolved	Prep	7470A			194020	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:38	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/16/14 12:15	FLD	TAL BUF

Client Sample ID: MP-237

Lab Sample ID: 480-64039-17

Date Collected: 07/16/14 13:42
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 13:57	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 05:53	TRB	TAL BUF
Dissolved	Prep	7470A			194020	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:40	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/16/14 13:42	FLD	TAL BUF

Client Sample ID: MP-235R

Lab Sample ID: 480-64039-18

Date Collected: 07/16/14 14:25
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 14:10	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 06:21	TRB	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Client Sample ID: MP-235R

Lab Sample ID: 480-64039-18

Date Collected: 07/16/14 14:25
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			194020	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:47	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/16/14 14:25	FLD	TAL BUF

Client Sample ID: MP-234R

Lab Sample ID: 480-64039-19

Date Collected: 07/16/14 14:30
Matrix: Water
Date Received: 07/18/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			193797	07/21/14 08:30	EHD	TAL BUF
Dissolved	Analysis	6010C		1	194264	07/22/14 14:13	JRK	TAL BUF
Dissolved	Prep	3020A			193903	07/21/14 12:05	EHD	TAL BUF
Dissolved	Analysis	6020A		1	194348	07/23/14 06:26	TRB	TAL BUF
Dissolved	Prep	7470A			194020	07/22/14 08:15	LRK	TAL BUF
Dissolved	Analysis	7470A		1	194185	07/22/14 12:52	LRK	TAL BUF
Total/NA	Analysis	Field Sampling		1	193633	07/16/14 14:30	FLD	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-14 *
California	State Program	9	1169CA	09-30-14
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-15
Georgia	State Program	4	N/A	03-31-15
Illinois	NELAP	5	200003	09-30-14
Iowa	State Program	7	374	03-01-15
Kansas	NELAP	7	E-10187	01-31-15
Kentucky (DW)	State Program	4	90029	12-31-14
Kentucky (UST)	State Program	4	30	03-31-15
Louisiana	NELAP	6	02031	06-30-14 *
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-15
Massachusetts	State Program	1	M-NY044	06-30-15
Michigan	State Program	5	9937	03-31-15
Minnesota	NELAP	5	036-999-337	12-31-14
New Hampshire	NELAP	1	2337	11-17-14
New Jersey	NELAP	2	NY455	06-30-15
New York	NELAP	2	10026	03-31-15
North Dakota	State Program	8	R-176	03-31-14 *
Oklahoma	State Program	6	9421	08-31-14
Oregon	NELAP	10	NY200003	06-09-15
Pennsylvania	NELAP	3	68-00281	07-31-14
Rhode Island	State Program	1	LAO00328	12-30-14
Tennessee	State Program	4	TN02970	03-31-15
Texas	NELAP	6	T104704412-11-2	07-31-14
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-14
Washington	State Program	10	C784	02-10-15
Wisconsin	State Program	5	998310390	08-31-14

* Certification renewal pending - certification considered valid.

Method Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
6020A	Metals (ICP/MS)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
Field Sampling	Field Sampling	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-64039-1	MP-407	Water	07/15/14 12:15	07/18/14 09:00
480-64039-2	MP-409	Water	07/15/14 13:40	07/18/14 09:00
480-64039-3	MP-406C	Water	07/15/14 14:20	07/18/14 09:00
480-64039-4	MP-408	Water	07/15/14 15:10	07/18/14 09:00
480-64039-5	MP-281C	Water	07/15/14 15:50	07/18/14 09:00
480-64039-6	MP-281	Water	07/15/14 16:25	07/18/14 09:00
480-64039-7	MP-280	Water	07/15/14 17:40	07/18/14 09:00
480-64039-8	MP-274	Water	07/16/14 08:30	07/18/14 09:00
480-64039-9	MP-404	Water	07/16/14 08:50	07/18/14 09:00
480-64039-10	MP-279	Water	07/16/14 09:35	07/18/14 09:00
480-64039-11	MP-241R	Water	07/16/14 10:08	07/18/14 09:00
480-64039-12	MP-233R	Water	07/16/14 10:30	07/18/14 09:00
480-64039-13	DUPLICATE	Water	07/16/14 10:30	07/18/14 09:00
480-64039-14	MP-250	Water	07/16/14 10:53	07/18/14 09:00
480-64039-15	MP-244R	Water	07/16/14 11:25	07/18/14 09:00
480-64039-16	MP-238R	Water	07/16/14 12:15	07/18/14 09:00
480-64039-17	MP-237	Water	07/16/14 13:42	07/18/14 09:00
480-64039-18	MP-235R	Water	07/16/14 14:25	07/18/14 09:00
480-64039-19	MP-234R	Water	07/16/14 14:30	07/18/14 09:00

TestAmerica
10 Hazelwood Dri
Amherst, NY 142
phone 716.504.98

480-64039 Chain of Custody

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

gulatory Program: ☐DW ☐NPDES ☑RCRA ☐Other: DMP - Off-Quarter Diss Metals Samping

TestAmerica Laboratories, Inc.

	ct Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 7/17/14
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA-Cinci
100 Old Wilson Bridge Road Suite 115	Analysis Turnaround Time		
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS		
(614) 888-5760 Phone	TAT if different from Below: 21 Days		
(614) 888-5763 FAX	☐ 2 weeks		
Project Name: DMP - Off-Quarter Dissolved Metals Samping	☐ 1 week		
Site: CECOS - Aber Rd	☐ 2 days		
P O #	☐ 1 day		

COC No: 1 of 2 COCs

For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:
Sampler: ADG/NTN

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y / N)	Diss. Metals (6010B, 6020, 7470A)	Sample Specific Notes:
MP-407	7/15/14	1215	Grab	GW	1	Y	N	X	
MP-409		1340			1	Y		X	
MP-406C		1420			1	Y		X	
MP-408		1510			1	Y		X	
MP-281C		1550			1	Y		X	
MP-281		1625			1	Y		X	
MP-280	↓	1740			1	Y		X	
MP-274	7/16/14	0830			1	Y		X	
MP-404		0850			1	Y		X	
MP-279		0935			1	Y		X	
MP-241R	↓	1008	↓	↓	1	Y	↓	X	

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= None | 4 | All samples preserved on ice

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by: Andrew D. Graham	Company: Eagon & Associates, Inc.	Date/Time: 7/17/14 1200	Received by:	Company: Testa	Date/Time: 7/17/14 1200
Relinquished by:	Company: TAI	Date/Time: 7/17/14 1400	Received by:	Company:	Date/Time: 7/18/14 0900
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

3.4 #1

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
phone 716.504.9852 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: **DMP - Off-Quarter Diss Metals Samping**

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Mike Gibson	Site Contact: Dan Deborde	Date: 7/17/14	COC No:
Eagon & Associates, Inc.	Tel/Fax: (614) 888-5760/5763	Lab Contact: Brian Fischer	Carrier: TA - CINCI	2 of 2 COCs
100 Old Wilson Bridge Road Suite 115	**Analysis Turnaround Time**			**For Lab Use Only:**
Worthington, Ohio 43085	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
(614) 888-5760 Phone	TAT if different from Below: 21 Days			Lab Sampling:
(614) 888-5763 FAX	☐ 2 weeks			
Project Name: DMP - Off-Quarter Dissolved Metals Samping	☐ 1 week			Job / SDG No.:
Site: CECOS - Aber Rd	☐ 2 days			
P O #	☐ 1 day			Sampler: ADG / NTN

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Diss. Metals (6010B, 6020, 7470A)	Sample Specific Notes:
MP-233R	7/16/14	1030	Grab	GW	1	Y	N	X	
DUPLICATE		1030			1	Y		X	
MP-250		1033			1	Y		X	
MP-244R		1125			1	Y		X	
MP-238R		1215			1	Y		X	
MP-237		1342			1	Y		X	
MATRIX SPIKE (MP-237)		1342			1	Y		X	
MATRIX SPIKE DUP (MP-237)		1342			1	Y		X	
MP-235R		1425			1	Y		X	
MP-234R		1430			1	Y		X	

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= None | 4 | All samples preserved on ice

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew D. Graham	Eagon & Associates, Inc.	7/17/14 1200		TestAm	7/17/14 1200
	TA2	7/17/14 1400			7/18/14 0900
	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

3.4 ±1

Login Sample Receipt Checklist

Client: Republic Services Inc

Job Number: 480-64039-1

Login Number: 64039
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

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.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	EAGON
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Detection Limit Exceptions Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - Dissolved Metals

TestAmerica Job ID: 480-64039-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Matrix	Analyte	Units	Client RL	Lab PQL
6010C	Water	Cadmium, Dissolved	mg/L	0.0010	0.002
6010C	Water	Lead, Dissolved	mg/L	0.0050	0.01
6010C	Water	Selenium, Dissolved	mg/L	0.015	0.025
6010C	Water	Silver, Dissolved	mg/L	0.0030	0.006

FIELD INFORMATION FORM

Site Name: CEAS-Aber Rd

Sample Point: MP-407

WELL DATA

Water-Level Date: 07/15/14 (MM DD YY)

Water-Level Time: 1155 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow; P = Passive; Dry = Dry; 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 1910.31 (ft/msl)

Depth to Water (DTW) (from TOC): 11.43 (ft)

Groundwater Elevation (site datum, from TOC): 1896.18 (ft/msl)

Total Well Depth (from TOC): 180 (ft)

Water Column Height (well depth - DTW): 67.57 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: (Y) or N

Filter Device: (Y) or N; (0.45µ) or ___ µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Pump Type (Vol): B — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

X-Other: ___

Tubing ID (Vol/Ft): B — A-3/8" ID (22 ml/ft), B-1/4" ID (10 ml/ft), C-0.17 ID (4.5 ml/ft), X-Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING: WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters: Gallons) circle one	(PUMP/TUBING: WELL) VOLS PURGED (optional)
07/15/14	1155	00:20	12	40	3.3

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L: Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1155	11.43						
1205	17.00	12.0	7.47	1201.3	15.6	---	200
1210	17.06	13.0	7.49	1201.5	15.7	---	200
1215	17.13	14.0	7.49	1201.5	15.7	159.8	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L: Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/15/14	1215	14.0	7.49	1201.5	15.7	159.8	200

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/W

Air Temp: 75°F

Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): DO (mg/L) 0.07 ORP (mV) -168.3

FIELD COMMENTS

Samples Collected: Dissolved Metals

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 7/15/14

Name: Nelson Novak

Signature: Nelson Novak

Company: Eagon & Assoc. Inc

EA-100-A D:4/10

FIELD INFORMATION FORM

Site Name: CECOS-Aber Rd

Sample Point: MP-409

WELL DATA

Water-Level Date: 07/15/14 (MM DD YY)

Water-Level Time: 1320 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 918.13 (ft/msl)

Depth to Water (DTW) (from TOC): 11.68 (ft)

Groundwater Elevation (site datum, from TOC): 906.75 (ft/msl)

Total Well Depth (from TOC): 81.70 (ft)

Water Column Height (well depth - DTW): 70.02 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: (Y) or N

Filter Device: (Y) or N (0.45) or ___ µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Pump Type (Vol): B — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

X-Other: ___

Tubing ID (Vol/Ft): B — A-3/8" ID (22 ml/ft), B-1/4" ID (10 ml/ft), C-0.17 ID (4.5 ml/ft), X-Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L/Gal) IN (PUMP/TUBING/WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
07/15/14	1320	0025	112	140	3

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1320	11.08						
1330	11.62	3.0	7.43	1892	15.7		200
1335	11.65	3.0	7.47	1892	15.8		200
1340	11.65	4.0	7.48	1890	15.6	15.16	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/15/14	1340	4.0	7.48	1890	15.6	15.16	200

FIELD COMMENTS

Sample Appearance: ___ Odor: None Color: clear Other: ___

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/W Air Temp: 75°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): DO mg/L 0.06 ORP (mV) -114.4

Samples collected: Dissolved Metals

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 7/15/14 Name: Nelson Novak Signature: [signature] Company: Eagon & Assoc., Inc

EA-100-A D:4/10

FIELD INFORMATION FORM

Site Name: CECOS-Aber Rd

Sample Point: MP-406

WELL DATA

Water-Level Date: 07/15/14 (MM DD YY)

Water-Level Time: 1400 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow; P = Passive; Dry = Dry; 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 917.40 (ft/msl)

Depth to Water (DTW) (from TOC): 12.22 (ft)

Groundwater Elevation (site datum, from TOC): 896.18 (ft/msl)

Total Well Depth (from TOC): 67.60 (ft)

Water Column Height (well depth - DTW): 46.38 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: (Y) or N

Filter Device: (Y) or N (0.45µ) or — µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Pump Type (Vol): B — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): B — A-3/8" ID (22 ml/ft), B-1/4" ID (10 ml/ft), C-0.17 ID (4.5 ml/ft), X-Other

X-Other: —

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L/Gal) IN PUMP/TUBING/WELL CASING (circle one of each)	ACTUAL VOL PURGED (Liters/Gallons) (circle one)	(PUMP/TUBING/WELL) VOLS PURGED (optional)
07/15/14	1400	00:20	110	80	80

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L/Gals) (circle one)	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1400	12.22						
1410	12.25	140	7.31	1989	15.3	—	400
1415	12.25	160	7.31	1990	15.4	—	400
1420	12.25	180	7.31	1987	15.4	1.97	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) (circle one)	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/15/14	1420	180	7.31	1987	15.4	1.97	400

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/W

Air Temp: 75°F

Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): DO (mg/L) 0.19 ORP (mV) -82.6

Samples Collected: Dissolved Metals

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
7/15/14	Nelson Novak	Nelson Novak	Eagon & Assoc., Inc.

EA-100-A D:4/10

FIELD INFORMATION FORM

Site Name: CECOS-Aber Rd

Sample Point: MP-406

WELL DATA

Water-Level Date: 07/15/14 (MM DD YY)

Water-Level Time: 1435 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow; P = Passive; Dry = Dry; 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 911.61 (ft/msl)

Depth to Water (DTW) (from TOC): 12.25 (ft)

Groundwater Elevation (site datum, from TOC): 899.36 (ft/msl)

Total Well Depth (from TOC): 115.00 (ft)

Water Column Height (well depth - DTW): 97.75 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: (Y) or N

Filter Device: (Y) or N (0.45) or — µ (circle or fill in)

Purging Device: C

Sampling Device: C

A-Submersible Pump; B-Peristaltic Pump; C-Bladder Pump; D-Bailer; E-Piston Pump; F-Dipper/Bottle

X-Other: —

Pump Type (Vol): B — A-P1200M (495 ml); B-P1101M (395 ml); C-P1150 (130 ml); X-Other

Tubing ID (Vol/Ft): B — A-3/8" ID (22 ml/ft); B-1/4" ID (10 ml/ft); C-0.17 ID (4.5 ml/ft); X-Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING: WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters: Gallons) circle one	(PUMP/TUBING: WELL) VOLS PURGED (optional)
07/15/14	1435	00:35	11.16	11.45	2.8

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L: Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1435	12.25						
1445	12.68	1.20	7.44	1.510	16.0	—	200
1450	12.69	1.25	7.25	1.572	16.0	—	100
1455	12.73	1.30	7.25	1.127	16.0	—	100
1500	12.77	1.35	7.25	1.942	15.9	—	100
1505	12.82	1.40	7.25	1.898	15.8	—	100
1510	12.87	1.45	7.24	1.882	15.8	8.91	100

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L: Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/15/14	1510	1.45	7.24	1.882	15.8	8.91	100

FIELD COMMENTS

Sample Appearance: — Odor: None Color: lt. tan Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/W Air Temp: 75°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): DO (mg/L) 0.07 ORP (mV) -161.6

Purge + sample water effervescing
Samples Collected

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 7/15/14 Name: Nelson Novak Signature: [signature] Company: Eagan & Assoc., Inc.

EA-100-A D:4/10

FIELD INFORMATION FORM

Site Name: CECOS-Aber Rd

Sample Point: MP-28IC

WELL DATA

Water-Level Date: 07/15/14 (MM DD YY)

Water-Level Time: 1530 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow; P = Passive; Dry = Dry; 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 914.12 (ft/msl)

Depth to Water (DTW) (from TOC): 18.31 (ft)

Groundwater Elevation (site datum, from TOC): 895.81 (ft/msl)

Total Well Depth (from TOC): 62.80 (ft)

Water Column Height (well depth - DTW): 44.49 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: Y or N

Filter Device: Y or N; 0.45µ or ___ µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Pump Type (Vol): B — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): B — A-3/8" ID (22 ml/ft), B-1/4" ID (10 ml/ft), C-0.17 ID (4.5 ml/ft), X-Other

X-Other: —

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L, Gal) IN (PUMP/TUBING, WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters, Gallons) circle one	(PUMP/TUBING, WELL) VOLS PURGED (optional)
07/15/14	1530	00:20	09	80	8.8

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L, Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1530	18.31						
1540	18.40	40	7.16	1192	14.7	11	400
1545	18.42	60	7.17	1191	14.8	11	400
1550	18.44	80	7.15	1201	14.8	11.3	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L, Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/15/14	1550	80	7.15	1201	14.8	11.3	400

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/W

Air Temp: 75°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): DO (mg/L) 0.10 ORP (mV) ~~98.5~~ -62.4

Samples Collected: Dissolved Metals

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
7/15/14	Nelson Novak	Nelson Novak	Eagon & Assoc., Inc.

EA-100-A D:4/10

FIELD INFORMATION FORM

Site Name: CECOS-Aber Rd

Sample Point: MP-2S1

WELL DATA

Water-Level Date: 07/15/14 (MM DD YY)

Water-Level Time: 1605 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow; P = Passive; Dry = Dry; 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 913.53 (ft/msl)

Depth to Water (DTW) (from TOC): 17.71 (ft)

Groundwater Elevation (site datum, from TOC): 895.82 (ft/msl)

Total Well Depth (from TOC): 72.60 (ft)

Water Column Height (well depth - DTW): 54.89 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: Y or N

Filter Device: Y or N; 0.45µ or — µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other: —

Pump Type (Vol): B — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): B — A-3/8" ID (22 ml/ft), B-1/4" ID (10 ml/ft), C-0.17 ID (4.5 ml/ft), X-Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L; Gal) IN (PUMP/TUBING; WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters; Gallons) circle one	(PUMP/TUBING; WELL) ~~VOLS PURGED~~ (optional)
07/15/14	1605	00:20	09	80	88

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L; Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1605	17.71						
1615	18.91	10	7.35	1492	15.0	—	400
1620	18.95	60	7.33	1486	15.1	—	400
1625	18.98	80	7.33	1481	15.1	22.0	400

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L; Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/15/14	1625	80	7.33	1481	15.1	22.0	400

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/W

Air Temp: 75°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): DO (mg/L) 0.06 ORP (mV) -75.2

samples Collected: Dissolved Metals

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
7/15/14	Nelson Novak	Nelson Novak	Eagon & Assoc. Inc.

EA-100-A D:4/10

FIELD INFORMATION FORM

Site Name: CECOS-Aber Rd

Sample Point: MP-280

WELL DATA

Water-Level Date: 07/15/14 (MM DD YY)

Water-Level Time: 1705 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow; P = Passive; Dry = Dry; 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 912.49 (ft/msl)

Depth to Water (DTW) (from TOC): 14.89 (ft)

Groundwater Elevation (site datum, from TOC): 897.60 (ft/msl)

Total Well Depth (from TOC): 107.40 (ft)

Water Column Height (well depth - DTW): 92.51 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: Y or N

Filter Device: Y or N; 0.45µ or ____ µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Pump Type (Vol): B — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): B — A-3/8" ID (22 ml/ft), B-1/4" ID (10 ml/ft), C-0.17 ID (4.5 ml/ft), X-Other

X-Other: ____

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L:Gal) IN (PUMP/TUBING:WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters:Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)
07/15/14	1705	00:35	14	35	2.5

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L:Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1705	14.89						
1715	17.75	2.0	7.65	1433	14.7	—	100
1730	17.89	2.5	7.65	1445	14.4	—	100
1735	18.01	3.0	7.64	1436	14.5	—	100
1740	18.13	3.5	7.64	1435	14.5	74.1	100

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L:Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/15/14	1740	3.5	7.64	1435	14.5	74.1	100

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 SW

Air Temp: 75°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): DO (mg/L) 0.04 ORP (mV) -195.9

Samples Collected: Dissolved Metals

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 7/15/14

Name: Nelson Novak

Signature: Nelson Novak

Company: Eggert Assoc., Inc.

EA-100-A D:4/10

FIELD INFORMATION FORM

Site Name: CECOS-AberRd

Sample Point: MP-274

WELL DATA

Water-Level Date: 07/16/14 (MM DD YY)

Water-Level Time: 08:10 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols., X = Other)

Well Elevation (at TOC): 912.20 (ft/msl)

Depth to Water (DTW) (from TOC): 116.36 (ft)

Groundwater Elevation (site datum, from TOC): 895.84 (ft/msl)

Total Well Depth (from TOC): 755.0 (ft)

Water Column Height (well depth - DTW): 591.4 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: Y or N

Filter Device: Y or N; 0.45µ or — µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other: —

Pump Type (Vol): B — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): B — A-3/8" ID (22 ml/ft), B-1/4" ID (10 ml/ft), C-0.17 ID (4.5 ml/ft), X-Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L; Gal) IN (PUMP/TUBING; WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters; Gallons) circle one	(PUMP/TUBING; WELL) VOLS PURGED (optional)
07/16/14	08:10	00:20	—	60	54

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L; Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
08:10	116.36						
08:20	117.09	130	7.65	1184	14.7	—	300
08:25	117.12	145	7.63	1184	14.5	—	300
08:30	117.15	160	7.64	1184	14.5	4.17	300

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L; Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/16/14	08:30	160	7.64	1184	14.5	4.17	300

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/W

Air Temp: 60°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): DO (mg/L) 0.11 ORP (mV) -42.1

Samples Collected: Dissolved Metals

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 7/16/14

Name: Nelson Novak

Signature: Nelson Novak

Company: Eagan & Assoc., Inc.

EA-100-A D:4/10

FIELD INFORMATION FORM

Site Name: CECOS-Aber Rd

Sample Point: MP-404

WELL DATA

Water-Level Date: 07/15/14 (MM DD YY)

Water-Level Time: 1040 (2400 Hr. Clock)

Purge/Sample Method: DRY — X = Other; LF = Low Flow; P = Passive; Dry = Dry; 3-5 = 3-5 well vols.

Well Elevation (at TOC): 1127.5 (ft/msl)

Depth to Water (DTW) (from TOC): 116.23 (ft)

Groundwater Elevation (site datum, from TOC): 896.52 (ft/msl)

Total Well Depth (from TOC): 1010.6 (ft)

Water Column Height (well depth - DTW): 847.7 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: Y or N

Filter Device: Y or N; 0.45µ or — µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other: —

Pump Type (Vol): B — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): B — A-3/8" ID (22 ml/ft), B-1/4" ID (10 ml/ft), C-0.17 ID (4.5 ml/ft), X-Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L, Gal) IN PUMP/TUBING, WELL CASING (circle one of each)	ACTUAL VOL PURGED (Liters, Gallons) (circle one)	PUMP/TUBING, WELL VOLS PURGED (optional)
07/15/14	1040	0104	114	55.0	392

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L, Gals) (circle one)	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1040	116.23						
1104	DRY	55.0	—	—	—	—	—
0850	147.95	—	7.45	1561	15.1	4.22	100

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L, Gals) (circle one)	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/16/14	0850	55.0	7.45	1561	15.1	4.22	—

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/W

Air Temp: 60°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): DO(mg/L) 0.64 ORP(mV) -21.4

84.77 x 0.163 = 13.82 x 3.9 = 52.52 L

Purged dry @ 55.0L, left to recover over night

Samples collected: Dissolved Metals

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
7/16/14	Nelson Novak	Nelson Novak	Eagon & Assoc. Inc.

EA-100-A D:4/10

FIELD INFORMATION FORM

Site Name: CECOS-Aber Rd

Sample Point: MP-279

WELL DATA

Water-Level Date: 07/16/14 (MM DD YY)

Water-Level Time: 09:15 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 910.36 (ft/msl)

Depth to Water (DTW) (from TOC): 11.35 (ft)

Groundwater Elevation (site datum, from TOC): 906.01 (ft/msl)

Total Well Depth (from TOC): 102.66 (ft)

Water Column Height (well depth - DTW): 92.25 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: (Y) or N

Filter Device: (Y) or N (0.45) or ___ µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Pump Type (Vol): B — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): B — A-3/8" ID (22 ml/ft), B-1/4" ID (10 ml/ft), C-0.17 ID (4.5 ml/ft), X-Other

X-Other: —

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING/WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
07/16/14	09:15	00:20	113	140	3

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L: Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
09:15	11.35						
09:25	11.63	120	7.07	7.336	14.5	—	200
09:30	11.67	130	7.13	7.303	14.8	—	200
09:35	11.71	140	7.12	7.321	14.8	3.38	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L: Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/16/14	09:35	140	7.12	7.321	14.8	3.38	200

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-S/W Air Temp: 65°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): DO (mg/L) 0.07 ORP (mV) -67.7

Samples Collected: Dissolved Metals

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 7/16/14 Name: Nelson Novak Signature: Nelson Novak Company: Eagon & Assoc. Inc.

EA-100-A D;4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-241R

WELL DATA

Water-Level Date: 07/16/14 (MM DD YY)

Water-Level Time: 0907 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 913.57 (ft/msl)

Depth to Water (DTW) (from TOC): 17.47 (ft)

Groundwater Elevation (site datum, from TOC): 896.10 (ft/msl)

Total Well Depth (from TOC): 66.40 (ft)

Water Column Height (well depth - DTW): 42.93 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: Y or N

Filter Device: Y or N; 0.45µ or ____ µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Pump Type (Vol): B — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): B — A-3/8" ID (22 ml/ft), B-1/4" ID (10 ml/ft), C-0.17 ID (4.5 ml/ft), X-Other

X-Other: —

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L:Gal) IN (PUMP/TUBING:WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters:Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)
07/16/14	0918	050	10	320	320

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L:Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
0907	17.47						
0918	START	10					100
0948	26.88	30	8.70	8.91	13.8	—	100
0953	26.90	35	8.71	9.00	15.4	—	↓
0958	26.90	40	8.65	8.94	16.3	—	↓
1003	26.89	45	8.53	8.98	16.4	—	↓
1008	26.90	50	8.50	8.99	16.4	8.86	↓

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L:Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/16/14	1008	320	8.50	8.99	16.4	8.86	100

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: ~0-5 / W

Air Temp: ~65-70°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. = 0.41 mg/L; ORP = -127.8 mV

Sampled for: DMP Diss. Metals

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
7/16/14	Andrew D. Graham	[signature]	Eagon & Associates, Inc.

EA-100-A D:4/10

FIELD INFORMATION FORM

Site Name: CECOS-Aber Rd

Sample Point: MP-233R

WELL DATA

Water-Level Date: 07/16/14 (MM DD YY)

Water-Level Time: 1110 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 907.06 (ft msl)

Depth to Water (DTW) (from TOC): 11.07 (ft)

Groundwater Elevation (site datum, from TOC): 896.30 (ft/msl)

Total Well Depth (from TOC): 80.20 (ft)

Water Column Height (well depth - DTW): 69.50 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated (Y) or N

Filter Device (Y) or N (0.45µ) or — µ (circle or fill in)

Purging Device: C

Sampling Device: C

A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Pump Type (Vol): B — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): B — A-3/8" ID (22 ml/ft), B-1/4" ID (10 ml/ft), C-0.17 ID (4.5 ml/ft), X-Other

X-Other: —

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (1 Gal) IN (PUMP/TUBING; WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters: Gallons) circle one	(PUMP/TUBING; WELL) VOLS PURGED (optional)
07/16/14	1110	00:20	1.1	4.0	3.6

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L, Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1110	11.07						
1120	11.19	1.20	7.46	2033	16.7	1.1	200
1125	11.23	1.30	7.46	2012	16.6	1.1	200
1130	11.26	1.40	7.47	1996	16.6	7.05	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L, Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/16/14	1130	1.40	7.47	1996	16.6	7.05	200

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/W Air Temp: 65°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): DO(mg/L) 0.07 ORP(mV) -118.5

purge & sample water effervescing

Samples Collected: Dissolved Metals

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 7/16/14 Name: Nelson Novak Signature: Nelson Novak Company: Eagan & Assoc., Inc.

EA-100-A D:4/10

FIELD INFORMATION FORM

Site Name: CECOS-Aber Rd

Sample Point: DUPLICATE

WELL DATA

Water-Level Date (MM DD YY) | Water-Level Time (2400 Hr. Clock) | Purge/Sample Method: LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols. X = Other

Well Elevation (at TOC) (ft/msl) | Depth to Water (DTW) (from TOC) (ft) | Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft) | Water Column Height (well depth - DTW) (ft) | Casing ID (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated [Y] or [N] | Filter Device [Y] or [N] [0.45µ] or [ ] µ (circle or fill in)

Purging Device [ ] A-Submersible Pump B-Peristaltic Pump C-Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device [ ]

X-Other [ ]

Pump Type (Vol) [ ] A-P1200M (495 ml) B-P1101M (395 ml) C-P1150 (130 ml) X-Other

Tubing ID (Vol/Ft) [ ] A-3/8" ID (22 ml/ft) B-1/4" ID (10 ml/ft) C-0.17 ID (4.5 ml/ft) X-Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L:Gal) IN (PUMP/TUBING:WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters:Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L, Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1100	1070						
1020	1119	10	7.46	2033	16.7		200
1025	1123	30	7.46	2012	16.6		200
1030	1126	40	7.47	1996	16.6	68.6	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L, Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/16/14	1030	40	7.47	1996	16.6	68.6	200

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/W Air Temp: 65°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

Exact duplicate by container of well MP-233B

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
7/16/14	Nelson Novak	Nelson Novak	Eagon & Assoc. Inc.

EA-100-A D:4/10

FIELD INFORMATION FORM

Site Name: CECOS-Aber Rd

Sample Point: MP-250

WELL DATA

Water-Level Date: 07/16/14 (MM DD YY)

Water-Level Time: 1032 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 9107 (ft/msl)

Depth to Water (DTW) (from TOC): 1335 (ft)

Groundwater Elevation (site datum, from TOC): 8967.2 (ft/msl)

Total Well Depth (from TOC): 5790 (ft)

Water Column Height (well depth - DTW): 4455 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: Y or N

Filter Device: Y or N; 0.45µ or ____ µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other: —

Pump Type (Vol): B — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): B — A-3/8" ID (22 ml/ft), B-1/4" ID (10 ml/ft), C-0.17 ID (4.5 ml/ft), X-Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L, Gal) IN (PUMP/TUBING, WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters, Gallons) circle one	(PUMP/TUBING, WELL) VOLS PURGED (optional)
07/16/14	1033	0:20	09	50	34

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L, Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1032	1335						
1033	START	10					400
1038	1390	20	739	954	151		200
1043	1404	30	736	953	147		
1048	1410	40	736	948	149		
1053	1411	50	735	942	149	36	

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L, Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/16/14	1053	50	735	942	149	36	200

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: ~0-5 mph / W

Air Temp: ~70°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. = 0.40 mg/L ; ORP = +64.3 mV

Sampled for: DMP Diss. Metals

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 7/16/14

Name: Andrew D. Graham

Signature: [signature]

Company: Eagon & Associates, Inc.

EA-100-A D:4/10

FIELD INFORMATION FORM

Site Name: CECOS-Aber Rd

Sample Point: MP-244R

WELL DATA

Water-Level Date: 07/16/14 (MM DD YY)

Water-Level Time: 11:05 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols., X = Other)

Well Elevation (at TOC): 909.73 (ft/msl)

Depth to Water (DTW) (from TOC): 113.26 (ft)

Groundwater Elevation (site datum, from TOC): 896.53 (ft/msl)

Total Well Depth (from TOC): 672.0 (ft)

Water Column Height (well depth - DTW): 540.0 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: (Y) or N

Filter Device: (Y) or N (0.45µ) or — µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Pump Type (Vol): B — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): B — A-3/8" ID (22 ml/ft), B-1/4" ID (10 ml/ft), C-0.17 ID (4.5 ml/ft), X-Other

X-Other: —

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING:WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters: Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)
07/16/14	11:05	00:20	110	40	4

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L: Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
11:05	113.10						
11:15	114.16	120	7.53	1172.9	14.9	T	200
11:20	114.21	130	7.52	1171.2	14.9	T	200
11:25	114.26	140	7.52	1689.9	14.8	14.02	200

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L: Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/16/14	11:25	40	7.52	1689.9	14.8	14.02	200

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/W

Air Temp: 65°F

Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): DO 6mg/L 0.14 ORP (mV) -61.9

Samples Collected: Dissolved Metals

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 7/16/14

Name: Nelson Novak

Signature: Nelson Novak

Company: Eagant Assoc. Inc.

EA-100-A D:4/10

FIELD INFORMATION FORM

Site Name: CECOS-Aber Rd

Sample Point: MP-23BR

WELL DATA

Water-Level Date: 07/16/14 (MM DD YY)

Water-Level Time: 1150 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 1531 (ft/msl)

Depth to Water (DTW) (from TOC): 18.71 (ft)

Groundwater Elevation (site datum, from TOC): 1816.60 (ft/msl)

Total Well Depth (from TOC): 61.50 (ft)

Water Column Height (well depth - DTW): 42.79 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: Y or N

Filter Device: Y or N, 0.45µ or — µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other: —

Pump Type (Vol): B — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): B — A-3/8" ID (22 ml/ft), B-1/4" ID (10 ml/ft), C-0.17 ID (4.5 ml/ft), X-Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L:Gal) IN (PUMP/TUBING:WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters:Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)
07/16/14	1150	0025	1110	13.5	13.5

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L: Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1150	18.71						
1200	19.29	1.0	7.54	1.953	15.6	—	200
1205	19.46	2.5	7.52	1.953	15.8	—	200
1210	19.56	3.0	7.51	1.956	15.9	—	100
1215	19.63	3.5	7.51	1.952	16.0	2.56	100

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L: Gals) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/16/14	1215	13.5	7.51	1.952	16.0	2.56	100

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/W Air Temp: 65°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): DO (mg/L) 0.51 ORP (mV) 14.4

Purge & Sample Water effervescing

Samples Collected: Dissolved Metals

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 7/16/14 Name: Nelson Novak Signature: Nelson Novak Company: Eagon & Assoc. Inc.

EA-100-A D:4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-237

WELL DATA

Water-Level Date: 07/16/14 (MM DD YY)

Water-Level Time: 1306 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 9136.8 (ft/msl)

Depth to Water (DTW) (from TOC): 173.2 (ft)

Groundwater Elevation (site datum, from TOC): 896.36 (ft/msl)

Total Well Depth (from TOC): 711.0 (ft)

Water Column Height (well depth - DTW): 537.8 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: Y or N

Filter Device: Y or N; 0.45µ or — µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other: —

Pump Type (Vol): B — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): B — A-3/8" ID (22 ml/ft), B-1/4" ID (10 ml/ft), C-0.17 ID (4.5 ml/ft), X-Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L:Gal) IN (PUMP/TUBING:WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters:Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)
07/16/14	1302	040	110	160	160

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol Purged (L:Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1310	117.37						
1312	START	10					400
1312	118.88	140	9.52	10.00	15.4		
1317	118.88	160	9.16	9.85	15.6		
1322	118.86	180	8.60	10.40	15.7		
1327	118.84	100	8.06	10.58	15.8		
1332	118.88	120	7.86	10.70	15.6		
1337	118.89	140	7.79	10.70	15.6		
1342	118.88	160	7.79	10.70	15.4	0.28	

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L:Gal) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/16/14	1342	160	7.79	10.70	15.4	0.28	400

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: ~0-5 mph / W

Air Temp: ~75°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. = 0.18 mg/L; ORP = -17.6 mV

Early purge light orange, cleared during purging.

Sampled for: DMP Diss. Metals

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

7/16/14 — Date

Andrew D. Graham — Name

Signature

Eagon & Associates, Inc — Company

EA-100-A D:4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MS/MSD - DMP

WELL DATA

Water-Level Date (MM DD YY)

Water-Level Time (2400 Hr. Clock)

Purge/Sample Method: LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols. X = Other

Well Elevation (at TOC) (ft/msl)

Depth to Water (DTW) (from TOC) (ft)

Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft)

Water Column Height (well depth - DTW) (ft)

Casing ID (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated [Y] or [N]

Filter Device [Y] or [N] [0.45µ] or [ ] µ (circle or fill in)

Purging Device [ ] A-Submersible Pump B-Peristaltic Pump C-Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device [ ]

X-Other

Pump Type (Vol) [ ] A-P1200M (495 ml) B-P1101M (395 ml) C-P1150 (130 ml) X-Other

Tubing ID (Vol/Ft) [ ] A-3/8" ID (22 ml/ft) B-1/4" ID (10 ml/ft) C-0.17 ID (4.5 ml/ft) X-Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L:Gal) IN (PUMP/TUBING:WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters:Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L : Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L : Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/16/14	1342	160	7.79	1070	15.4	0.28	400

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: ~0-5 mph / W

Air Temp: ~75°F

Precipitation: Y or (N)

FIELD COMMENTS

Specific Comments (including purge/well volume calculations if required):

Collected from Well MP-237 (MS/MSD)

Sampled for: DMP Diss. Metals

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

7/16/14 — Date

Andrew D. Graham — Name

Signature

Eagon & Associates, Inc. — Company

EA-100-A D:4/10

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-235R

WELL DATA

Water-Level Date: 07/16/14 (MM DD YY)

Water-Level Time: 1358 (2400 Hr. Clock)

Purge/Sample Method: LF (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 9148.4 (ft/msl)

Depth to Water (DTW) (from TOC): 17.60 (ft)

Groundwater Elevation (site datum, from TOC): 897.24 (ft/msl)

Total Well Depth (from TOC): 72.20 (ft)

Water Column Height (well depth - DTW): 54.60 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: Y or N

Filter Device: Y or N; 0.45µ or ____ µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other: —

Pump Type (Vol): B — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): B — A-3/8" ID (22 ml/ft), B-1/4" ID (10 ml/ft), C-0.17 ID (4.5 ml/ft), X-Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L; ~~Gal~~) IN (PUMP/TUBING; ~~WELL CASING~~) circle one of each	ACTUAL VOL PURGED (Liters; Gallons) circle one	(PUMP/TUBING; ~~WELL~~) VOLS PURGED (optional)
07/16/14	1400	025	110	95	95

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L; ~~Gals~~) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1358	17.60						
1400	START	100					500
1410	19.10	150	7.55	1161	14.7	—	300
1415	18.99	165	7.48	1161.8	15.7	—	
1420	18.98	180	7.46	1161.0	15.7	—	
1425	18.96	195	7.46	1160.1	15.7	10.02	

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L; ~~Gals~~) circle one	pH (std)	CONDUCTANCE (µmhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/16/14	1425	95	7.46	1160.1	15.7	10.02	300

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: ~0-5mph / W

Air Temp: ~75°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): D.O. = 0.41 mg/L ; ORP = -18.7 mV

Sampled for: DMP Diss. Metals

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
7/16/14	Andrew D. Graham	[signature]	Eagon & Associates, Inc.

EA-100-A D:4/10

FIELD INFORMATION FORM

Site Name: CECOS-Abes Rd

Sample Point: MP-28R

WELL DATA

Water-Level Date: 07/16/14 (MM DD YY)

Water-Level Time: 1305 (2400 Hr. Clock)

Purge/Sample Method: LF (LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols., X = Other)

Well Elevation (at TOC): 918.8 (ft/msl)

Depth to Water (DTW) (from TOC): 114.11 (ft)

Groundwater Elevation (site datum, from TOC): 897.77 (ft/msl)

Total Well Depth (from TOC): 754.0 (ft)

Water Column Height (well depth - DTW): 629 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: Y or N

Filter Device: Y or N, 0.45µ or ___ µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other: —

Pump Type (Vol): B — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): B — A-3/8" ID (22 ml/ft), B-1/4" ID (10 ml/ft), C-0.17 ID (4.5 ml/ft), X-Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L/Gal) IN (PUMP/TUBING/WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters/Gallons) circle one	(PUMP/TUBING/WELL) VOLS PURGED (optional)
07/16/14	1305	0125	___	85	7

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L/Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1305	114.11						
1325	114.88	2.0	7.29	1432	15.8		100
1345	115.09	4.0	7.32	1357	15.7		100
1405	115.27	6.0	7.35	1014.3	15.4		100
1410	115.31	6.5	7.35	1291.1	15.6		100
1415	115.35	7.0	7.35	1281.2	15.7		100
1420	115.39	7.5	7.36	1273.0	15.6		100
1425	115.42	8.0	7.37	1269.7	15.6		100
1430	115.46	8.5	7.36	1266.8	15.7	12.51	100

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
07/16/14	1430	8.5	7.36	2668	15.6	12.51	100

FIELD COMMENTS

Sample Appearance: —

Odor: None

Color: Clear

Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5/W

Air Temp: 70°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): DO (mg/L) 0.33 ORP (mV) -55.2

Samples Collected: Dissolved Metals

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date: 7/16/14

Name: Nelson Novak

Signature: Nelson Novak

Company: Eagon & Assoc. Inc.

EA-100-A D:4/10

FIELD METER CALIBRATION RECORD

Project Name: *CECOS-Aber Rd Facility* Sampler(s): Nelson Novak, Andy Graham

pH Meter(s): Make/Model/Serial No: Insitu/Smartroll/352190

Buffer Brand/Expiration: pH 4 IE 2/19/15 ; pH 7 IE 9/08/14 ; pH 10 IE 12/12/15

Date	Time	Calibrate/Check	pH 4 Buffer Result (S.U.)	pH 7 Buffer Result (S.U.)	pH 10 Buffer Result (S.U.)	Temp. of Cal. Soln' (°C)
7/15/14	1009	Calibrate	4.00	7.00	10.01	22.14
7/16/14	0731	calibrate	4.00	7.00	10.00	20.61

Conductivity/Temp. Meter(s): Make/Model/Serial No: Insitu/smartroll/352190

Cond. Solution Brand/Expiration: IE 3/15/15 Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
7/15/14	1020	calibrate	1410	22.70	
7/16/14	0742	calibrate	1413	21.14	

Turbidity Meter(s): Make/Model/Serial No.: HACH/2100P/09086C037691

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
7/15/14	1035	check	5.18	5.14	
7/16/14	0750	check	5.18	5.32	

Sampler (Name): Nelson Novak Sampler (Signature): [signature]

Sampler (Name): Sampler (Signature):

FIELD METER CALIBRATION RECORD

Project Name: *CECOS - Aber Rd Facility* Sampler(s): Nelson Novak, Andy Graham

D.O. Meter(s): Make/Model/Serial No: Insitu/Smartroll/352190

Zero-O_2 Solution Brand/Expiration: EMD / –

Date	Time	Calibrate/Check	Calibration Media	H_2O-Saturated Air Result (%:mg/l)	Zero-O_2 Result (mg/l)	Temp. (°C)
7/15/14	0959	Calibrate	Sat. air	10.04	0.12	20.46
7/16/14	0719	calibrate	Sat air	9.96	0.19	20.9

O.R.P. Meter(s): Make/Model/Serial No: Insitu/Smartroll/352190

Solution Brand/Expiration: Horiba / – Solution Value (@ 25 °C): 89

Date	Time	Calibrate/Check	ORP Standard @ Temp. (mV)	ORP Result (millivolts)	Temp. of Solution (°C)	Notes:
7/15/14	1035	Calibrate	95 @ 20°C	95	22.48	
7/16/14	0756	calibrate	95 @ 20°C	95	20.92	

Other Meter(s): Make/Model/Serial No.:

Date	Time	Calibrate/Check			Notes:

Sampler (Name): Nelson Novak Sampler (Signature): [signature]

Sampler (Name): Sampler (Signature):