ANALYTICAL REPORT

Job Number: 680-99116-1

SDG Number: 68099116-1

Job Description: Smokey Mountain Smelter

For:
J.M. Waller Associates, Inc.
100 Hartsfield Centre Parkway, Ste 610
Atlanta, GA 30354

Attention: Linda Nyland

Approved for release.
Sheila B Hoffman
Project Manager II
5/13/2014 10:57 AM

Sheila B Hoffman, Project Manager II
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05/13/2014

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Client: J.M. Waller Associates, Inc.

Job Number: 680-99116-1
Sdg Number: 68099116-1

General Chemistry

Client Sample ID: **SMSMW11B**

Lab Sample ID: 680-99116-1
Client Matrix: Water

Date Sampled: 03/04/2014 1055
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	140		mg/L	2.6	5.0	100	350.1
Analysis Batch: 680-319360	Analysis Date: 03/12/2014 1503						
ortho-Phosphate	0.081	H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1426						
Total Organic Carbon	21		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319535	Analysis Date: 03/13/2014 0602						
Chromium, hexavalent	0.0052	J H	mg/L	0.0030	0.010	1.0	7196A
Analysis Batch: 680-318428	Analysis Date: 03/05/2014 1336						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	1400		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	6900		mg/L	100	100	1.0	2540C-2011
Analysis Batch: 680-319027	Analysis Date: 03/11/2014 0718						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-318547	Analysis Date: 03/06/2014 1518						

Client: J.M. Waller Associates, Inc.

Job Number: 680-99116-1
Sdg Number: 68099116-1

General Chemistry

Client Sample ID: **SMSMW13A**

Lab Sample ID: 680-99116-2
Client Matrix: Water

Date Sampled: 03/04/2014 1255
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.12		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319360	Analysis Date: 03/12/2014 1356						
ortho-Phosphate	<0.016	H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1426						
Total Organic Carbon	0.97	J	mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319535	Analysis Date: 03/13/2014 0632						
Chromium, hexavalent	<0.0030		mg/L	0.0030	0.010	1.0	7196A
Analysis Batch: 680-318428	Analysis Date: 03/05/2014 1336						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	5.5		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	1100		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-319027	Analysis Date: 03/11/2014 0718						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-318547	Analysis Date: 03/06/2014 1518						

Client: J.M. Waller Associates, Inc.

Job Number: 680-99116-1
Sdg Number: 68099116-1

General Chemistry

Client Sample ID: **SMSMW12B**

Lab Sample ID: 680-99116-3
Client Matrix: Water

Date Sampled: 03/04/2014 1547
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.28		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319360	Analysis Date: 03/12/2014 1405						
ortho-Phosphate	<0.016		mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1426						
Total Organic Carbon	0.69	J	mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319535	Analysis Date: 03/13/2014 0648						
Chromium, hexavalent	<0.0030		mg/L	0.0030	0.010	1.0	7196A
Analysis Batch: 680-318428	Analysis Date: 03/05/2014 1336						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	370		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	1900		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-319027	Analysis Date: 03/11/2014 0718						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-318547	Analysis Date: 03/06/2014 1518						

Client: J.M. Waller Associates, Inc.

Job Number: 680-99116-1
Sdg Number: 68099116-1

General Chemistry

Client Sample ID: **SMSMW07A**

Lab Sample ID: 680-99116-4
Client Matrix: Water

Date Sampled: 03/04/2014 0940
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	270		mg/L	5.2	10	200	350.1
Analysis Batch: 680-319360	Analysis Date: 03/12/2014 1459						
ortho-Phosphate	0.024	J H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1430						
Total Organic Carbon	24		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319535	Analysis Date: 03/13/2014 0702						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	1300		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	21000		mg/L	500	500	1.0	2540C-2011
Analysis Batch: 680-319027	Analysis Date: 03/11/2014 0718						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-318547	Analysis Date: 03/06/2014 1518						

Client: J.M. Waller Associates, Inc.

Job Number: 680-99116-1
Sdg Number: 68099116-1

General Chemistry

Client Sample ID: **SMSMW13B**

Lab Sample ID: 680-99116-5
Client Matrix: Water

Date Sampled: 03/04/2014 1020
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.51		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319360	Analysis Date: 03/12/2014 1356						
ortho-Phosphate	<0.016	H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1430						
Total Organic Carbon	<0.50		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319535	Analysis Date: 03/13/2014 0719						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	290		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	470		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-319027	Analysis Date: 03/11/2014 0718						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-318547	Analysis Date: 03/06/2014 1518						

Client: J.M. Waller Associates, Inc.

Job Number: 680-99116-1
Sdg Number: 68099116-1

General Chemistry

Client Sample ID: **SMSSW20**

Lab Sample ID: 680-99116-6
Client Matrix: Water

Date Sampled: 03/04/2014 0947
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.10		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319360	Analysis Date: 03/12/2014 1405						
ortho-Phosphate	0.019	J H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1430						
Total Organic Carbon	3.0		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319535	Analysis Date: 03/13/2014 0737						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	110		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	220		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-319027	Analysis Date: 03/11/2014 0718						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-318547	Analysis Date: 03/06/2014 1518						

Client: J.M. Waller Associates, Inc.

Job Number: 680-99116-1
Sdg Number: 68099116-1

General Chemistry

Client Sample ID: **SMSMW11A**

Lab Sample ID: 680-99116-7
Client Matrix: Water

Date Sampled: 03/04/2014 0922
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	87		mg/L	1.3	2.5	50	350.1
Analysis Batch: 680-319360	Analysis Date: 03/12/2014 1424						
ortho-Phosphate	1.2	H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318580	Analysis Date: 03/06/2014 1430						
Total Organic Carbon	15		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319535	Analysis Date: 03/13/2014 0751						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	1000		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	5400		mg/L	100	100	1.0	2540C-2011
Analysis Batch: 680-319027	Analysis Date: 03/11/2014 0718						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-318547	Analysis Date: 03/06/2014 1518						

Client: J.M. Waller Associates, Inc.

Job Number: 680-99116-1
Sdg Number: 68099116-1

General Chemistry

Client Sample ID: **SMSMW07B**

Lab Sample ID: 680-99116-8
Client Matrix: Water

Date Sampled: 03/04/2014 1152
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	670		mg/L	13	25	500	350.1
Analysis Batch: 680-319360	Analysis Date: 03/12/2014 1459						
ortho-Phosphate	<0.016	H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318580	Analysis Date: 03/06/2014 1430						
Total Organic Carbon	29		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319535	Analysis Date: 03/13/2014 0808						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	1100		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	45000		mg/L	500	500	1.0	2540C-2011
Analysis Batch: 680-319027	Analysis Date: 03/11/2014 0718						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-318547	Analysis Date: 03/06/2014 1518						

Client: J.M. Waller Associates, Inc.

Job Number: 680-99116-1
Sdg Number: 68099116-1

General Chemistry

Client Sample ID: **SMSSW10**

Lab Sample ID: 680-99116-9
Client Matrix: Water

Date Sampled: 03/04/2014 0916
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.20		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319360	Analysis Date: 03/12/2014 1459						
ortho-Phosphate	<0.016	H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318580	Analysis Date: 03/06/2014 1430						
Total Organic Carbon	1.2		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319535	Analysis Date: 03/13/2014 0826						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	140		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	220		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-319027	Analysis Date: 03/11/2014 0718						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-318547	Analysis Date: 03/06/2014 1518						

Client: J.M. Waller Associates, Inc.

Job Number: 680-99116-1
Sdg Number: 68099116-1

General Chemistry

Client Sample ID: **SMSSW02**

Lab Sample ID: 680-99116-10
Client Matrix: Water

Date Sampled: 03/04/2014 1254
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	4.0		mg/L	0.13	0.25	5.0	350.1
Analysis Batch: 680-319784	Analysis Date: 03/15/2014 1109						
ortho-Phosphate	1.8	H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318580	Analysis Date: 03/06/2014 1430						
Total Organic Carbon	7.1		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319535	Analysis Date: 03/13/2014 0923						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	190		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319740	Analysis Date: 03/14/2014 1313						
Total Dissolved Solids	530		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-319027	Analysis Date: 03/11/2014 0718						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-318547	Analysis Date: 03/06/2014 1518						

Client: J.M. Waller Associates, Inc.

Job Number: 680-99116-1
Sdg Number: 68099116-1

General Chemistry

Client Sample ID: **SMSSW08**

Lab Sample ID: 680-99116-11
Client Matrix: Water

Date Sampled: 03/04/2014 1350
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.16		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319784	Analysis Date: 03/14/2014 1806						
ortho-Phosphate	0.017	J	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318580	Analysis Date: 03/06/2014 1434						
Total Organic Carbon	0.55	J	mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319535	Analysis Date: 03/13/2014 0937						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	170		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319740	Analysis Date: 03/14/2014 1319						
Total Dissolved Solids	550		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-319027	Analysis Date: 03/11/2014 0718						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-318525	Analysis Date: 03/06/2014 1356						

Client: J.M. Waller Associates, Inc.

Job Number: 680-99116-1
Sdg Number: 68099116-1

General Chemistry

Client Sample ID: **SMSSW08 SPRING**

Lab Sample ID: 680-99116-12
Client Matrix: Water

Date Sampled: 03/04/2014 1338
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.49		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319784	Analysis Date: 03/14/2014 1806						
ortho-Phosphate	<0.016		mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318580	Analysis Date: 03/06/2014 1434						
Total Organic Carbon	<0.50		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319535	Analysis Date: 03/13/2014 0954						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	290		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319740	Analysis Date: 03/14/2014 1328						
Total Dissolved Solids	1000		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-319027	Analysis Date: 03/11/2014 0718						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-318525	Analysis Date: 03/06/2014 1356						

Client: J.M. Waller Associates, Inc.

Job Number: 680-99116-1
Sdg Number: 68099116-1

General Chemistry

Client Sample ID: **SMSSW04**

Lab Sample ID: 680-99116-13
Client Matrix: Water

Date Sampled: 03/04/2014 1440
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.18		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319784	Analysis Date: 03/14/2014 1816						
ortho-Phosphate	0.026	J	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318580	Analysis Date: 03/06/2014 1434						
Total Organic Carbon	0.79	J	mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319535	Analysis Date: 03/13/2014 1010						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	120		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319740	Analysis Date: 03/14/2014 1334						
Total Dissolved Solids	740		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-319027	Analysis Date: 03/11/2014 0718						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-318525	Analysis Date: 03/06/2014 1356						

Client: J.M. Waller Associates, Inc.

Job Number: 680-99116-1
Sdg Number: 68099116-1

General Chemistry

Client Sample ID: **SMSSW12**

Lab Sample ID: 680-99116-14
Client Matrix: Water

Date Sampled: 03/04/2014 1530
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.48		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319784	Analysis Date: 03/15/2014 1052						
ortho-Phosphate	0.021	J	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318580	Analysis Date: 03/06/2014 1434						
Total Organic Carbon	0.65	J	mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319535	Analysis Date: 03/13/2014 1024						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	95		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319740	Analysis Date: 03/14/2014 1341						
Total Dissolved Solids	390		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-319027	Analysis Date: 03/11/2014 0718						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-318525	Analysis Date: 03/06/2014 1356						

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CERTIFICATE OF ANALYSIS

100mL P/N: 4400-10PPM127-100
250mL P/N: 4400-10PPM127-250
500mL P/N: 4400-10PPM127-500

Element: Chromium (Cr^{6+})
Concentration: 10 µg/mL ± 0.5%
Matrix: H_2O
Lot Number: 12J189
Expiration Date: 1/20/2015

Source: Potassium Dichromate
Source Purity: 99.998%
Source Lot: 11B240
Traceable to NIST SRM: 3112
Expiry from ship date: 18 months

Intended Use and Solution Preparation: This standard was manufactured for the intended use as a reference material for ICP, ICP-MS, FAA and similar instrumentation. It was prepared gravimetrically using high purity material source(s), sub-boiled distilled acid(s) and 18 megaohm de-ionized water. The material source(s) was weighed to five significant figures on a 0.1mg balance routinely calibrated by NIST traceable weights and diluted in Class A volumetric glassware which is calibrated routinely by NIST recommended procedures.
Traceability: The standard concentration was tested by ICP, ICP-MS and or gravimetrically directly against NIST traceable standards. If NIST standard was not available, 3rd party CRM was used.
Uncertainty: The tolerance range of 0.3% was based on an uncertainty budget using the combined uncertainties associated with gravimetrical preparation (NIST TN 1297; 1994 Edition; Type B evaluation). The value can be expressed as $Y = y \pm U$ where Y = certified concentration and U = the expanded uncertainty. $U = ku_c$ where k is the coverage factor at the 95% confidence level; $u_c = \sqrt{\Sigma u_i^2}$ where u_i = the sum of the individual element standard uncertainty components. The uncertainty in the measurement of the analyzed value used to certify the solution was also determined using NIST TN 1297; 1994 Edition, Type A and B evaluations.
Trace Impurities: The solution using the above source lot was scanned by ICP-MS at time of bottling. The data below is representative of the trace metals contained in the solution at a 1000 µg/mL concentration. Trace metal values are not certified values.

Li	0.1	P	ND	V	INT	Zn	1.6	Y	ND	Ag	0.1	Ba	ND	Gd	ND	Lu	ND	Pt	ND
Be	ND	Th	0.3	Cr	X	Ga	ND	Zr	ND	Cd	ND	La	ND	Tb	ND	Hf	ND	Au	ND
B	0.3	U	ND	Mn	ND	Ge	ND	Nb	ND	In	ND	Ce	ND	Dy	ND	Ta	ND	Hg	ND
Na	23.5	K	X	Fe	INT	As	ND	Mo	0.2	Sn	ND	Pr	ND	Ho	ND	W	ND	Tl	0.1
Mg	0.7	Ca	4.0	Co	ND	Se	1.7	Ru	ND	Sb	ND	Nd	ND	Er	ND	Re	ND	Pb	0.3
Al	0.6	Sc	ND	Ni	ND	Rb	ND	Rh	ND	Te	ND	Sm	ND	Tm	ND	Os	ND	Bi	0.1
Si	0.4	Ti	INT	Cu	0.1	Sr	0.1	Pd	ND	Cs	ND	Eu	ND	Yb	ND	Ir	ND		

Concentrations are in ppb. INT=Interference from X, Solution Element ND=None Detected X=Solution

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for **18 months** after the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not sample directly from bottle. Perform serial dilutions to achieve best results. See attached MSDS for proper handling information. MSDS collection is also available at www.cpiinternational.com. For questions or comments please call 1-800-878-7654.

ACLASS CALIBRATION
Certification Number: AC-1455

colitag™ MOD BLOCK Nu•Phase™ SPE Disks UB Accu•prep 7000™ Extraction Manifold PEAK PERFORMANCE™

CPI International — CHROMIUM +6 STANDARD
MATERIAL SAFETY DATA SHEET
NSN: N/A
Manufacturer's CAGE: N/A
Part No. Indicator: N/A
Part Number/Trade Name: 4400-1000127, S4400-1000127, 4400-1000127-500, 4400-10M127, S4400-10M127, 4400-100PPM127, 4400-1PPM127, ALL CHROMIUM +6 SINGLE ELEMENT DILUTIONS.

SECTION 1. GENERAL INFORMATION

Company's Name: CPI INTERNATIONAL
Company's Street: 5580 SKYLANE BLVD.
Company's City: SANTA ROSA
Company's State: CA
Company's Country: USA
Company's Zip Code: 95403
Company's Emergency Phone: (800) 451-8346 USA, (760) 602-8700 INT'L
Company's General Information Phone #: (707) 525-5788
Date MSDS Prepared: 24JAN98
Date MSDS Revised: 05MAR08
Date MSDS Reviewed: 11JUL13
Author's Company: CPI INTERNATIONAL
Authorized: CPI INTERNATIONAL
Hazard Characteristic Code: UNK

SECTION 2. INGREDIENTS/IDENTITY INFORMATION

Proprietary: NO
Ingredient: POTASSIUM DICHROMATE
Ingredient Sequence Number: 01
Percent: >0 - 1 (AS CHROMIUM +6)
NIOSH (RTECS) Number: MX7680000
CAS Number: 7778-50-9
OSHA PEL: 0.1 MG/M3 (CRO3)
ACGIH TLV: 0.1 MG/M3 (CR)
TSCA: YES

Proprietary: NO
Ingredient: WATER
Ingredient Sequence Number: 02
Percent: 99 - <100
NIOSH (RTECS) Number: ZC0110000
CAS Number: 7732-18-5
TSCA: YES

SECTION 3. PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance and Odor: CLEAR, COLORLESS TO ORANGE, ODORLESS LIQUID.
Solubility in Water: COMPLETE
Boiling Point: ~212 F
Specific Gravity: ~1

SECTION 4. FIRE EXPLOSION AND HAZARD DATA

Extinguishing Media: USE APPROPRIATE MEDIA FOR SURROUNDING FIRE.
Special Fire Fighting Procedure: WEAR PROPER PROTECTIVE EQUIPMENT AND SELFCONTAINED BREATHING APPARATUS WITH FULL FACE PIECE IN POSITIVE MODE.
Unusual Fire and Explosion Hazards: NONE.

SECTION 5. REACTIVITY DATA

Stability: YES
Materials to Avoid: REDUCING AGENTS, ORGANIC COMPOUNDS, SULFURIC ACID, HEAT.
Hazardous Poly Occur: NO
Hazardous Decomposition Products: THERMAL DECOMPOSITION OF POTASSIUM DICHROMATE MAY RELEASE TOXIC AND/OR HAZARDOUS GASES, CHROME OXIDES.

SECTION 6. HEALTH HAZARD DATA

Route of Entry-Inhalation: YES
Route of Entry-Skin: YES
Route of Entry-Ingestion: YES
Health Hazard Acute and Chronic: CAUTION: MAY CAUSES BURNS TO EVERY AREA OF CONTACT. HARMFUL IF SWALLLOWED OR INHALED. AFFECTS THE RESPIRATORY SYSTEM, LIVER, KIDNEYS, EYES, SKIN AND BLOOD. MAY CAUSE ALLERGIC REACTION. CANCER HAZARD. CAN CAUSE CANCER. RISK OF CANCER DEPENDS ON DURATION AND LEVEL OF EXPOSURE.
Carcinogenicity-NTP: YES
Carcinogenicity-IARC: YES
Carcinogenicity-OSHA: NO
Explanation Carcinogenicity: NTP 7TH ANNUAL REPORT ON CARCINOGENS, 1992 : KNOWN TO BE CARCINOGENIC.
Signs/Symptoms of Over Exposure: EYES/SKIN: REDNESS, PAIN, IRRITATION, BURNS. INHALATION: COUGHING, DIFFICULTY BREATHING, IRRITATION OF MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. INGESTION: BURNS OF THE MOUTH, THROAT AND STAOMACH. MAY CAUSE DIZZINESS, NAUSEA, VOMITING, INTENSE THIRST, LIVER DAMAGE. UNCONSCIOUSNESS.
Emergency First Aid Procedure: INGESTION: DON'T INDUCE VOMITING. IF CONSCIOUS, GIVE WATER, MILK OR MILK OF MAGNESIA. EYES/SKIN: FLUSH WITH PLENTY OF WATER. INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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p: 800-878-7654
f: 707-545-7901

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f: +31-20-420-28-36

CERTIFICATE OF ANALYSIS

100mL P/N: 4400-10PPM127-100
250mL P/N: 4400-10PPM127-250
500mL P/N: 4400-10PPM127-500

Element: Chromium (Cr^{6+})
Concentration: 10 µg/mL ± 0.5%
Matrix: H_2O
Lot Number: 12J189
Expiration Date: 1/20/2015

Source: Potassium Dichromate
Source Purity: 99.998%
Source Lot: 11B240
Traceable to NIST SRM: 3112
Expiry from ship date: 18 months

Intended Use and Solution Preparation: This standard was manufactured for the intended use as a reference material for ICP, ICP-MS, FAA and similar instrumentation. It was prepared gravimetrically using high purity material source(s), sub-boiled distilled acid(s) and 18 megaohm de-ionized water. The material source(s) was weighed to five significant figures on a 0.1mg balance routinely calibrated by NIST traceable weights and diluted in Class A volumetric glassware which is calibrated routinely by NIST recommended procedures.
Traceability: The standard concentration was tested by ICP, ICP-MS and or gravimetrically directly against NIST traceable standards. If NIST standard was not available, 3rd party CRM was used.
Uncertainty: The tolerance range of 0.3% was based on an uncertainty budget using the combined uncertainties associated with gravimetrical preparation (NIST TN 1297; 1994 Edition; Type B evaluation). The value can be expressed as $Y = y \pm U$ where Y = certified concentration and U = the expanded uncertainty. $U = ku_c$ where k is the coverage factor at the 95% confidence level; $u_c = \sqrt{\Sigma u_i^2}$ where u_i = the sum of the individual element standard uncertainty components. The uncertainty in the measurement of the analyzed value used to certify the solution was also determined using NIST TN 1297; 1994 Edition, Type A and B evaluations.
Trace Impurities: The solution using the above source lot was scanned by ICP-MS at time of bottling. The data below is representative of the trace metals contained in the solution at a 1000 µg/mL concentration. Trace metal values are not certified values.

Li	0.1	P	ND	V	INT	Zn	1.6	Y	ND	Ag	0.1	Ba	ND	Gd	ND	Lu	ND	Pt	ND
Be	ND	Th	0.3	Cr	X	Ga	ND	Zr	ND	Cd	ND	La	ND	Tb	ND	Hf	ND	Au	ND
B	0.3	U	ND	Mn	ND	Ge	ND	Nb	ND	In	ND	Ce	ND	Dy	ND	Ta	ND	Hg	ND
Na	23.5	K	X	Fe	INT	As	ND	Mo	0.2	Sn	ND	Pr	ND	Ho	ND	W	ND	Tl	0.1
Mg	0.7	Ca	4.0	Co	ND	Se	1.7	Ru	ND	Sb	ND	Nd	ND	Er	ND	Re	ND	Pb	0.3
Al	0.6	Sc	ND	Ni	ND	Rb	ND	Rh	ND	Te	ND	Sm	ND	Tm	ND	Os	ND	Bi	0.1
Si	0.4	Ti	INT	Cu	0.1	Sr	0.1	Pd	ND	Cs	ND	Eu	ND	Yb	ND	Ir	ND		

Concentrations are in ppb. INT=Interference from X, Solution Element ND=None Detected X=Solution

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for **18 months** after the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not sample directly from bottle. Perform serial dilutions to achieve best results. See attached MSDS for proper handling information. MSDS collection is also available at www.cpiinternational.com. For questions or comments please call 1-800-878-7654.

Certification Number: AC-1455

colitag MOD BLOCK Nu•Phase™ SPE Disks Accu•prep 7000™ Extraction Manifold PEAK PERFORMANCE

CPI International – CHROMIUM +6 STANDARD
MATERIAL SAFETY DATA SHEET
NSN: N/A
Manufacturer's CAGE: N/A
Part No. Indicator: N/A
Part Number/Trade Name: 4400-1000127, S4400-1000127, 4400-1000127-500, 4400-10M127, S4400-10M127, 4400-100PPM127, 4400-1PPM127, ALL CHROMIUM +6 SINGLE ELEMENT DILUTIONS.

SECTION 1. GENERAL INFORMATION

Company's Name: CPI INTERNATIONAL
Company's Street: 5580 SKYLANE BLVD.
Company's City: SANTA ROSA
Company's State: CA
Company's Country: USA
Company's Zip Code: 95403
Company's Emergency Phone: (800) 451-8346 USA, (760) 602-8700 INT'L
Company's General Information Phone #: (707) 525-5788
Date MSDS Prepared: 24JAN98
Date MSDS Revised: 05MAR08
Date MSDS Reviewed: 11JUL13
Author's Company: CPI INTERNATIONAL
Authorized: CPI INTERNATIONAL
Hazard Characteristic Code: UNK

SECTION 2. INGREDIENTS/IDENTITY INFORMATION

Proprietary: NO
Ingredient: POTASSIUM DICHROMATE
Ingredient Sequence Number: 01
Percent: >0 - 1 (AS CHROMIUM +6)
NIOSH (RTECS) Number: MX7680000
CAS Number: 7778-50-9
OSHA PEL: 0.1 MG/M3 (CRO3)
ACGIH TLV: 0.1 MG/M3 (CR)
TSCA: YES

Proprietary: NO
Ingredient: WATER
Ingredient Sequence Number: 02
Percent: 99 - <100
NIOSH (RTECS) Number: ZC0110000
CAS Number: 7732-18-5
TSCA: YES

SECTION 3. PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance and Odor: CLEAR, COLORLESS TO ORANGE, ODORLESS LIQUID.
Solubility in Water: COMPLETE
Boiling Point: ~212 F
Specific Gravity: ~1

SECTION 4. FIRE EXPLOSION AND HAZARD DATA

Extinguishing Media: USE APPROPRIATE MEDIA FOR SURROUNDING FIRE.
Special Fire Fighting Procedure: WEAR PROPER PROTECTIVE EQUIPMENT AND SELFCONTAINED BREATHING APPARATUS WITH FULL FACE PIECE IN POSITIVE MODE.
Unusual Fire and Explosion Hazards: NONE.

SECTION 5. REACTIVITY DATA

Stability: YES
Materials to Avoid: REDUCING AGENTS, ORGANIC COMPOUNDS, SULFURIC ACID, HEAT.
Hazardous Poly Occur: NO
Hazardous Decomposition Products: THERMAL DECOMPOSITION OF POTASSIUM DICHROMATE MAY RELEASE TOXIC AND/OR HAZARDOUS GASES, CHROME OXIDES.

SECTION 6. HEALTH HAZARD DATA

Route of Entry-Inhalation: YES
Route of Entry-Skin: YES
Route of Entry-Ingestion: YES
Health Hazard Acute and Chronic: CAUTION: MAY CAUSES BURNS TO EVERY AREA OF CONTACT. HARMFUL IF SWALLLOWED OR INHALED. AFFECTS THE RESPIRATORY SYSTEM, LIVER, KIDNEYS, EYES, SKIN AND BLOOD. MAY CAUSE ALLERGIC REACTION. CANCER HAZARD. CAN CAUSE CANCER. RISK OF CANCER DEPENDS ON DURATION AND LEVEL OF EXPOSURE.
Carcinogenicity-NTP: YES
Carcinogenicity-IARC: YES
Carcinogenicity-OSHA: NO
Explanation Carcinogenicity: NTP 7TH ANNUAL REPORT ON CARCINOGENS, 1992 : KNOWN TO BE CARCINOGENIC.
Signs/Symptoms of Over Exposure: EYES/SKIN: REDNESS, PAIN, IRRITATION, BURNS. INHALATION: COUGHING, DIFFICULTY BREATHING, IRRITATION OF MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. INGESTION: BURNS OF THE MOUTH, THROAT AND STAOMACH. MAY CAUSE DIZZINESS, NAUSEA, VOMITING, INTENSE THIRST, LIVER DAMAGE. UNCONSCIOUSNESS.
Emergency First Aid Procedure: INGESTION: DON'T INDUCE VOMITING. IF CONSCIOUS, GIVE WATER, MILK OR MILK OF MAGNESIA. EYES/SKIN: FLUSH WITH PLENTY OF WATER. INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. OBTAIN MEDICAL ATTENTION IN ALL CASES.

SECTION 7. PRECAUTIONS FOR SAFE HANDLING

Steps if material Released/Spilled: WEAR PROTECTIVE EQUIPMENT. STOP LEAK SAFELY. CLEAN UP WITH INERT MATERIAL AND PLACE IN A CONTAINER FOR DISPOSAL.
Precautions-Handling/Storing: KEEP CONTAINER TIGHTLY CLOSED. STORE IN CORROSION PROOF AREA. AVOID INHALATION OF VAPORS AND CONTACT WITH SKIN AND EYES.

SECTION 8. CONTROL MEASURES

Respiratory Protection: WEAR A NIOSH/MSHA APPROVED RESPIRATOR WHEN VENTILATION IS INADEQUATE.
Ventilation: LOCAL EXHAUST: REQUIRED, VENT HOOD
Protective Gloves: IMPERVIOUS GLOVES
Eye Protection: SAFETY GLASSES WITH SIDE SHIELDS
Other Protective Equipment: LAB COAT OR APRON
Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING AND SHOES BEFORE REUSE.

SECTION 9. TRANSPORTATION DATA

Domestic (D.O.T) Transportation Requirement: NOT REGULATED.
D.O.T Proper Shipping Name and UN Number: NOT REGULATED.

SECTION 10. DISPOSAL DATA

Waste Disposal: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 11. LABEL DATA

Label Required: YES
Label Status: G
Common Name: CHROMIUM +6 STANDARD
Chronic Hazard: NO
Signal Word: WARNING!
Acute Health Hazard-Moderate: X
Contact Hazard-Moderate: X
Fire Hazard-None: X
Special Hazard Precautions: SEE HEALTH HAZARDS.
Protect Eyes: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: CPI INTERNATIONAL
Label Street: 5580 SKYLANE BLVD.
Label City: SANTA ROSA
Label State: CA
Label Zip Code: 95403
Label Country: USA
Label Emergency Number: (800) 451-8346 USA, (760) 602-8700 INT'L

SECTION 12. ADDITIONAL INFORMATION

CPI International makes no warranties, guarantees or representations of any kind or nature with respect to the product or this data, either expressed or implied, and whether arising by law or otherwise, including but not limited to any implied warranty of personal injury, property or other damages of any nature whatsoever, whether special, indirect, consequential or compensatory, directly or indirectly result in from the publication, use or reliance upon this data.

Certificate of Analysis

Alfa Aesar®
A Johnson Matthey Company

Product No.: 36622

Product: Sodium sulfide nonahydrate, ACS, 98.0% min

Lot No.: B07Y012

Test	Limits	Results
Appearance		Colorless to slightly yellow crystals
Identification		Passes
Assay	98.0 % min	101.63 %
Iron	To pass test	Passes
Sulfite and thiosulfate	0.1 % max	0.02 %
Ammonium	0.005 % max	< 0.005 %

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300_ORGFM_28D

Anions, Ion Chromatography

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0314141951-14.d

Lab ID: LCS 680-319822/9 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Sulfate	10.0	10.2	102	90-110	
Fluoride	2.00	2.10	105	90-110	
Chloride	10.0	9.93	99	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0315140229-40.d

Lab ID: LCS 680-319823/35 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Sulfate	10.0	10.3	103	90-110	
Fluoride	2.00	2.10	105	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0317140812-7.d

Lab ID: LCS 680-319854/3 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Sulfate	10.0	10.1	101	90-110	
Chloride	10.0	9.98	100	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0317140820-6.d

Lab ID: LCS 680-319868/3 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Sulfate	10.0	10.3	103	90-110	
Fluoride	2.00	2.06	103	90-110	
Chloride	10.0	10.1	101	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0317141442-32.d

Lab ID: LCS 680-320074/29 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Sulfate	10.0	10.2	102	90-110	
Fluoride	2.00	2.05	103	90-110	
Chloride	10.0	10.0	100	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0318141304-7.d

Lab ID: LCS 680-320146/3 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Chloride	10.0	9.97	100	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0314142006-15.d

Lab ID: LCSD 680-319822/10 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	10.0	10.2	102	0	30	90-110	
Fluoride	2.00	2.10	105	0	30	90-110	
Chloride	10.0	9.94	99	0	30	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0315140244-41.d

Lab ID: LCSD 680-319823/36 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	10.0	10.2	102	0	30	90-110	
Fluoride	2.00	2.10	105	0	30	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0317140827-8.d

Lab ID: LCSD 680-319854/4 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	10.0	10.1	101	0	30	90-110	
Chloride	10.0	9.98	100	0	30	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0317140834-7.d

Lab ID: LCSD 680-319868/4 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	10.0	10.3	103	0	30	90-110	
Fluoride	2.00	2.06	103	0	30	90-110	
Chloride	10.0	10.0	100	0	30	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0317141456-33.d

Lab ID: LCSD 680-320074/30 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Sulfate	10.0	10.2	102	0	30	90-110	
Fluoride	2.00	2.06	103	1	30	90-110	
Chloride	10.0	10.0	100	0	30	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0318141319-8.d

Lab ID: LCSD 680-320146/4 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Chloride	10.0	9.99	100	0	30	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0315140128-36.d

Lab ID: 680-99116-3 MS Client ID: SMSMW12B MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Sulfate	200	230	437	105	80-120	
Fluoride	40.0	<0.50	43.7	109	80-120	
Chloride	200	500	708	104	80-120	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0315140502-50.d

Lab ID: 680-99116-8 MS Client ID: SMSMW07B MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Sulfate	1000	1100	2170	104	80-120	
Fluoride	200	<2.5	215	108	80-120	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0317141637-40.d

Lab ID: 680-99116-12 MS Client ID: SMSSW08 SPRING MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Sulfate	100	37	139	102	80-120	
Fluoride	20.0	1.0	21.5	103	80-120	
Chloride	100	410	510	97	80-120	E 4

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0315140143-37.d

Lab ID: 680-99116-3 MSD Client ID: SMSMW12B MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	200	440	106	1	30	80-120	
Fluoride	40.0	43.9	110	0	30	80-120	
Chloride	200	709	104	0	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0315140518-51.d

Lab ID: 680-99116-8 MSD Client ID: SMSMW07B MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	1000	2180	106	1	30	80-120	
Fluoride	200	215	108	0	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0317141651-41.d

Lab ID: 680-99116-12 MSD Client ID: SMSSW08 SPRING MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	100	140	103	1	30	80-120	
Fluoride	20.0	21.7	103	1	30	80-120	
Chloride	100	511	98	0	30	80-120	E 4

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab File ID: 0314141935-13.d Lab Sample ID: MB 680-319822/8

Matrix: Water Date Extracted:

Instrument ID: CICK Date Analyzed: 03/14/2014 19:35

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	ICB 680-319822/1008	0314141935-13-ICB.d	03/14/2014 19:35
	LCS 680-319822/9	0314141951-14.d	03/14/2014 19:51
	LCSD 680-319822/10	0314142006-15.d	03/14/2014 20:06
	CCB 680-319822/23	0314142325-28.d	03/14/2014 23:25
SMSMW11B	680-99116-1	0315140011-31.d	03/15/2014 00:11
SMSMW13A	680-99116-2	0315140026-32.d	03/15/2014 00:26
SMSMW13A	680-99116-2	0315140042-33.d	03/15/2014 00:42
SMSMW12B	680-99116-3	0315140112-35.d	03/15/2014 01:12
SMSMW12B MS	680-99116-3 MS	0315140128-36.d	03/15/2014 01:28
SMSMW12B MSD	680-99116-3 MSD	0315140143-37.d	03/15/2014 01:43
	CCB 680-319822/34	0315140214-39.d	03/15/2014 02:14

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab File ID: 0315140214-39.d Lab Sample ID: MB 680-319823/34

Matrix: Water Date Extracted:

Instrument ID: CICK Date Analyzed: 03/15/2014 02:14

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-319823/35	0315140229-40.d	03/15/2014 02:29
	LCSD 680-319823/36	0315140244-41.d	03/15/2014 02:44
SMSMW07A	680-99116-4	0315140315-43.d	03/15/2014 03:15
SMSMW13B	680-99116-5	0315140330-44.d	03/15/2014 03:30
SMSSW20	680-99116-6	0315140346-45.d	03/15/2014 03:46
SMSMW07B	680-99116-8	0315140447-49.d	03/15/2014 04:47
SMSMW07B MS	680-99116-8 MS	0315140502-50.d	03/15/2014 05:02
SMSMW07B MSD	680-99116-8 MSD	0315140518-51.d	03/15/2014 05:18
	CCB 680-319823/48	0315140548-53.d	03/15/2014 05:48

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab File ID: 0317140756-6.d Lab Sample ID: MB 680-319854/2

Matrix: Water Date Extracted:

Instrument ID: CICK Date Analyzed: 03/17/2014 07:56

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-319854/3	0317140812-7.d	03/17/2014 08:12
	LCSD 680-319854/4	0317140827-8.d	03/17/2014 08:27
SMSMW11B	680-99116-1	0317140913-11.d	03/17/2014 09:13
SMSMW07A	680-99116-4	0317140943-13.d	03/17/2014 09:43
SMSMW07A	680-99116-4	0317140959-14.d	03/17/2014 09:59
SMSMW07A DU	680-99116-4 DU	0317141014-15.d	03/17/2014 10:14
SMSMW13B	680-99116-5	0317141045-17.d	03/17/2014 10:45
SMSMW11A	680-99116-7	0317141100-18.d	03/17/2014 11:00
	CCB 680-319854/17	0317141146-21.d	03/17/2014 11:46
SMSMW11A	680-99116-7	0317141201-22.d	03/17/2014 12:01
SMSSW02	680-99116-10	0317141232-24.d	03/17/2014 12:32
	CCB 680-319854/28	0317141435-32.d	03/17/2014 14:35

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab File ID: 0318141248-6.d Lab Sample ID: MB 680-320146/2

Matrix: Water Date Extracted:

Instrument ID: CICK Date Analyzed: 03/18/2014 12:48

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-320146/3	0318141304-7.d	03/18/2014 13:04
	LCSD 680-320146/4	0318141319-8.d	03/18/2014 13:19
SMSMW07B	680-99116-8	0318141334-9.d	03/18/2014 13:34
	CCB 680-320146/7	0318141417-11.d	03/18/2014 14:17

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab File ID: 0317140805-5.d Lab Sample ID: MB 680-319868/2

Matrix: Water Date Extracted:

Instrument ID: CICL Date Analyzed: 03/17/2014 08:05

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-319868/3	0317140820-6.d	03/17/2014 08:20
	LCSD 680-319868/4	0317140834-7.d	03/17/2014 08:34
SMSMW13B	680-99116-5	0317140946-12.d	03/17/2014 09:46
SMSSW20	680-99116-6	0317141000-13.d	03/17/2014 10:00
	CCB 680-319868/16	0317141134-19.d	03/17/2014 11:34
SMSMW11B	680-99116-1	0317141315-26.d	03/17/2014 13:15
SMSMW12B	680-99116-3	0317141330-27.d	03/17/2014 13:30
SMSMW11A	680-99116-7	0317141344-28.d	03/17/2014 13:44
SMSSW10	680-99116-9	0317141358-29.d	03/17/2014 13:58
	CCB 680-319868/28	0317141427-31.d	03/17/2014 14:27

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab File ID: 0317141427-31.d Lab Sample ID: MB 680-320074/28

Matrix: Water Date Extracted:

Instrument ID: CICL Date Analyzed: 03/17/2014 14:27

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-320074/29	0317141442-32.d	03/17/2014 14:42
	LCSD 680-320074/30	0317141456-33.d	03/17/2014 14:56
SMSSW02	680-99116-10	0317141525-35.d	03/17/2014 15:25
SMSSW08	680-99116-11	0317141539-36.d	03/17/2014 15:39
SMSSW08	680-99116-11	0317141554-37.d	03/17/2014 15:54
SMSSW08 SPRING	680-99116-12	0317141608-38.d	03/17/2014 16:08
SMSSW08 SPRING	680-99116-12	0317141622-39.d	03/17/2014 16:22
SMSSW08 SPRING MS	680-99116-12 MS	0317141637-40.d	03/17/2014 16:37
SMSSW08 SPRING MSD	680-99116-12 MSD	0317141651-41.d	03/17/2014 16:51
SMSSW04	680-99116-13	0317141706-42.d	03/17/2014 17:06
SMSSW04	680-99116-13	0317141720-43.d	03/17/2014 17:20
	CCB 680-320074/42	0317141749-45.d	03/17/2014 17:49
SMSSW12	680-99116-14	0317141803-46.d	03/17/2014 18:03
SMSSW12	680-99116-14	0317141818-47.d	03/17/2014 18:18
	CCB 680-320074/47	0317141901-50.d	03/17/2014 19:01

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW11B Lab Sample ID: 680-99116-1

Matrix: Water Lab File ID: 0315140011-31.d

Analysis Method: 300.0 Date Collected: 03/04/2014 10:55

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/15/2014 00:11

Con. Extract Vol.: 1(mL) Dilution Factor: 4

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319822 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	150		2.0	1.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140011-31.d
Lims ID: 680-99111-F-1 Lab Sample ID: 680-99116-1
Client ID: SMSSW01
Sample Type: Client
Inject. Date: 15-Mar-2014 00:11:00 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 25.0 ul Dil. Factor: 4.0000
Sample Info: 680-99116-F-1 1K031414 1K082812A
Misc. Info.: 4167
Operator ID: Instrument ID: CICK

Method: \\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 17-Mar-2014 07:59:25 Calib Date: 14-Mar-2014 19:20:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d

Column 1 : Dionex Ion Pac AS18 (4.00 mm) Det: 0118131406-12
Process Host: XAWRK021

First Level Reviewer: brazellc Date: 17-Mar-2014 07:51:11

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.325	0.008	928918422	30.8	E
2 Chloride	4.608	4.675	-0.067	19930619600	1007.5	E
3 Sulfate	6.300	6.358	-0.058	513001127	36.7	

QC Flag Legend

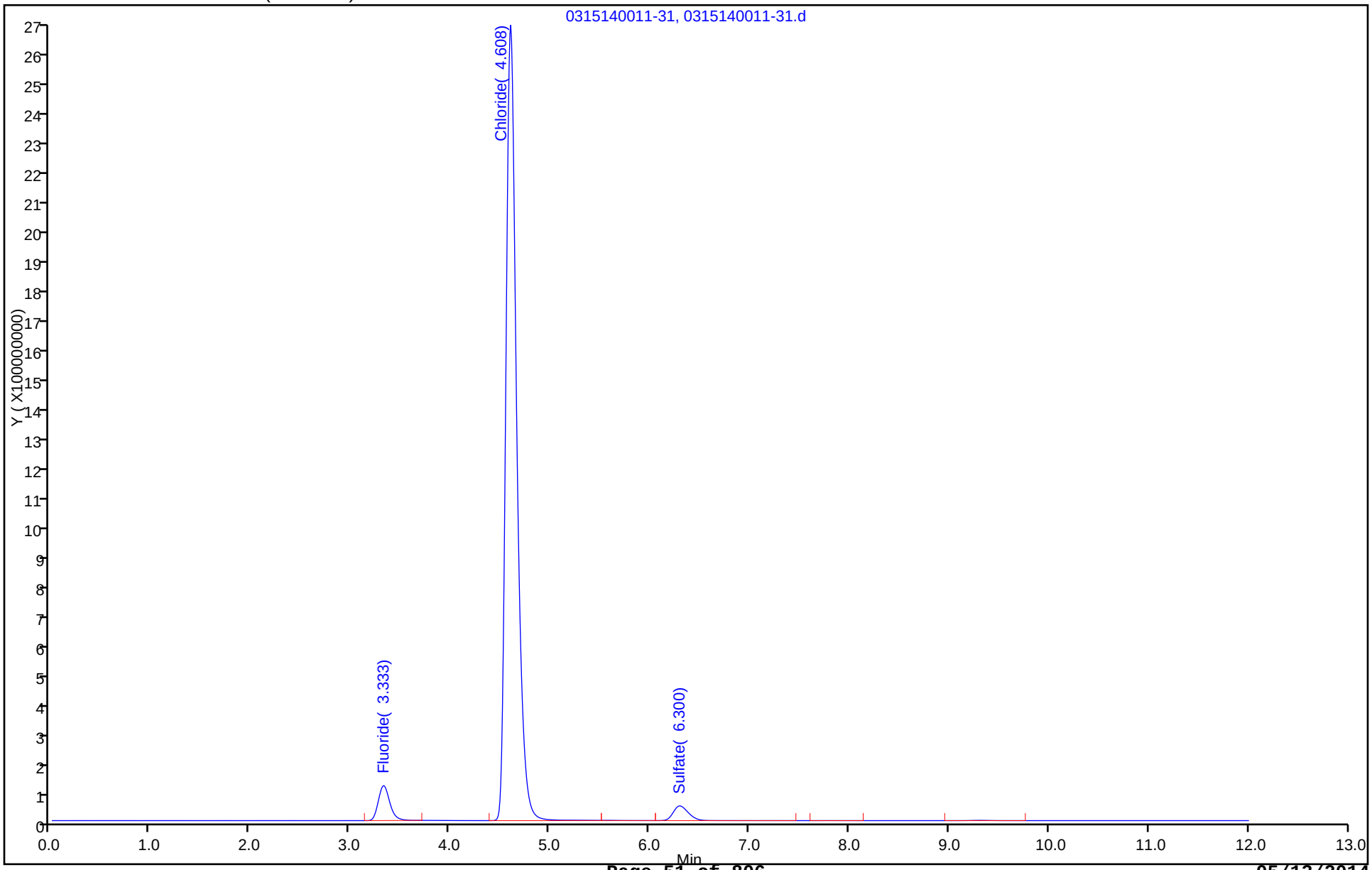
Processing Flags
E - Exceeded Maximum Amount

Report Date: 17-Mar-2014 07:59:27 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140011-31.d				
Injection Date:	15-Mar-2014 00:11:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99111-F-1	Lab Sample ID:	680-99116-1	Worklist Smp#:	26
Client ID:	SMSSW01				
Injection Vol:	25.0 ul	Dil. Factor:	4.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICK	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW11B Lab Sample ID: 680-99116-1

Matrix: Water Lab File ID: 0317141315-26.d

Analysis Method: 300.0 Date Collected: 03/04/2014 10:55

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/17/2014 13:15

Con. Extract Vol.: 5(mL) Dilution Factor: 25

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319868 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16984-48-8	Fluoride	140		2.5	0.63

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141315-26.d				
Lims ID:	680-99116-F-1	Lab Sample ID:	680-99116-1		
Client ID:	SMSMW11B				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 13:15:00	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	25.0 ul	Dil. Factor:	25.0000		
Sample Info:	680-99116-F-1 1L031714 connie				
Misc. Info.:	24535				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:45:31	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.208	3.208	0.0	203836607	5.61	
2 Chloride	4.392	4.417	-0.025	3691764849	166.3	E
3 Sulfate	5.967	5.958	0.009	90967386	5.49	

QC Flag Legend

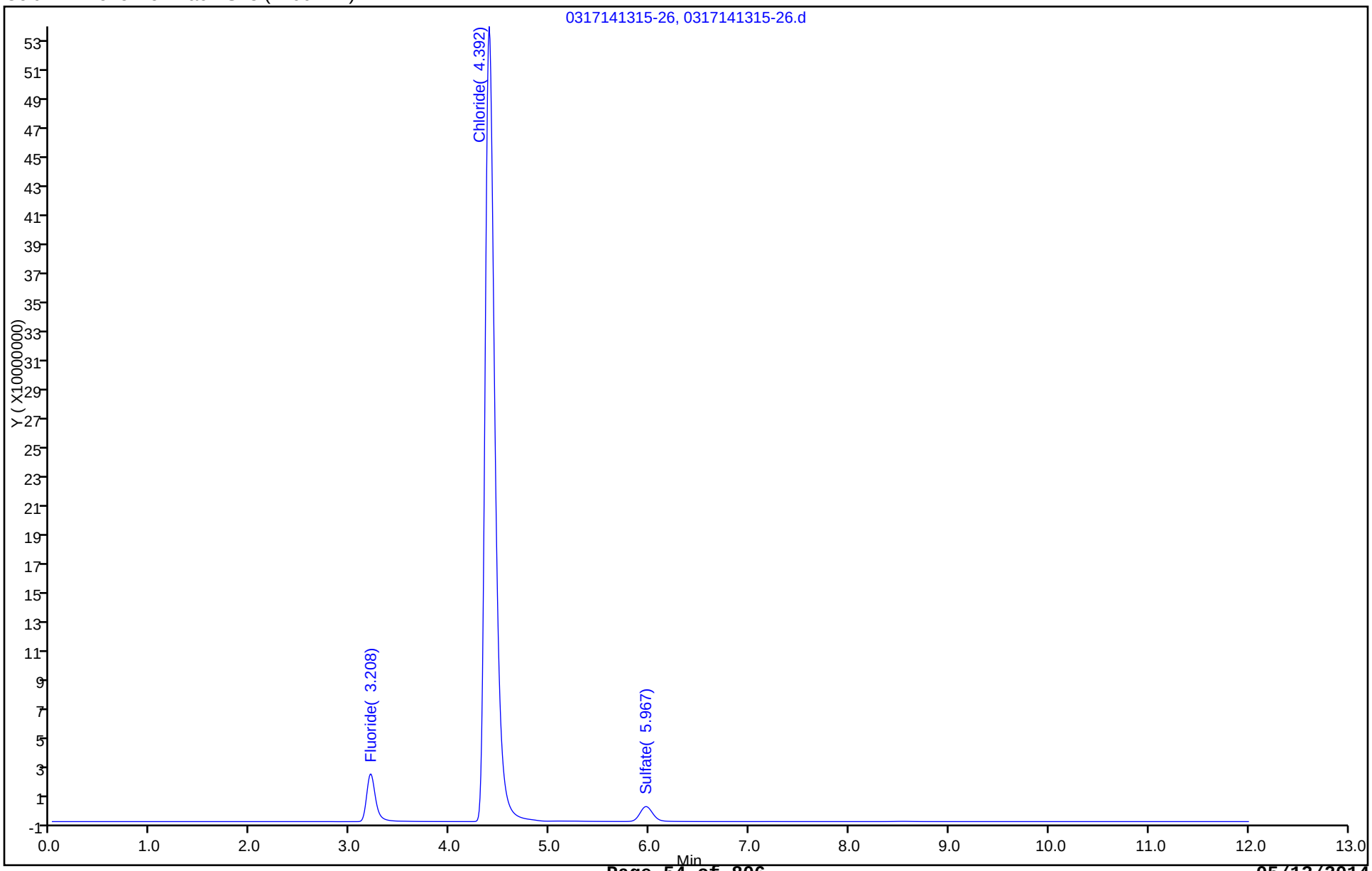
Processing Flags
E - Exceeded Maximum Amount

Report Date: 17-Mar-2014 15:45:34 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141315-26.d				
Injection Date:	17-Mar-2014 13:15:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99116-F-1	Lab Sample ID:	680-99116-1	Worklist Smp#:	23
Client ID:	SMSMW11B				
Injection Vol:	25.0 ul	Dil. Factor:	25.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW11B Lab Sample ID: 680-99116-1

Matrix: Water Lab File ID: 0317140913-11.d

Analysis Method: 300.0 Date Collected: 03/04/2014 10:55

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/17/2014 09:13

Con. Extract Vol.: 1(mL) Dilution Factor: 100

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319854 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	4200		50	25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317140913-11.d				
Lims ID:	680-99116-F-1	Lab Sample ID:	680-99116-1		
Client ID:	SMSMW11B				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 09:13:00	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	25.0 ul	Dil. Factor:	100.0000		
Sample Info:	680-99116-F-1 1K031714 1K082812A				
Misc. Info.:	13359				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:09:17	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

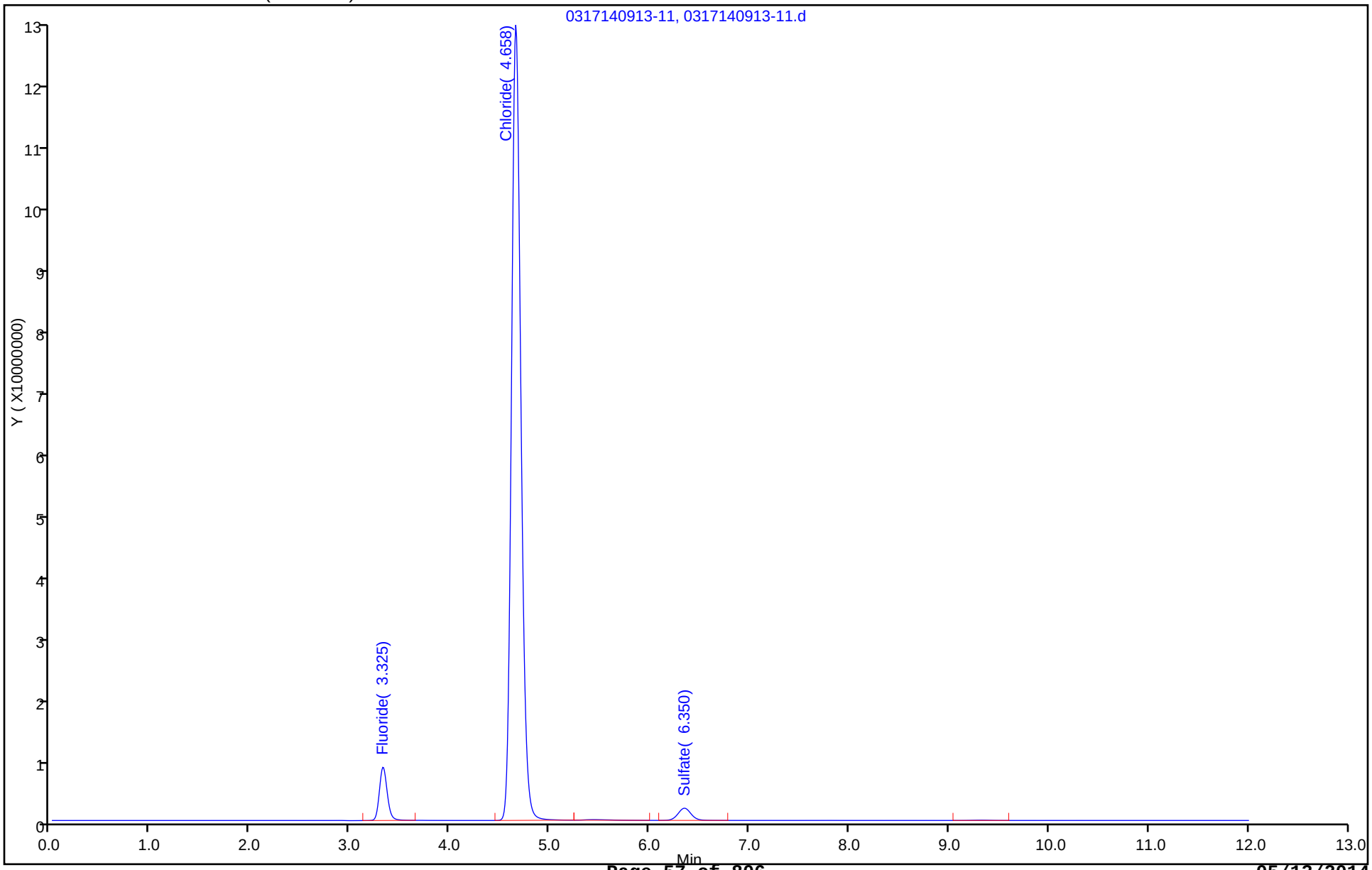
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.333	-0.008	46211392	1.52	
2 Chloride	4.658	4.675	-0.017	824830808	41.7	
3 Sulfate	6.350	6.350	0.0	17549699	1.40	

Report Date: 17-Mar-2014 15:09:18 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317140913-11.d				
Injection Date:	17-Mar-2014 09:13:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99116-F-1	Lab Sample ID:	680-99116-1	Worklist Smp#:	7
Client ID:	SMSMW11B				
Injection Vol:	25.0 ul	Dil. Factor:	100.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICK	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW13A Lab Sample ID: 680-99116-2

Matrix: Water Lab File ID: 0315140026-32.d

Analysis Method: 300.0 Date Collected: 03/04/2014 12:55

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/15/2014 00:26

Con. Extract Vol.: 1(mL) Dilution Factor: 2

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319822 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16984-48-8	Fluoride	0.62		0.20	0.050

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140026-32.d				
Lims ID:	680-99111-F-2	Lab Sample ID:	680-99111-2		
Client ID:	SMSMW10A				
Sample Type:	Client				
Inject. Date:	15-Mar-2014 00:26:00	ALS Bottle#:	0	Worklist Smp#:	27
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-99116-F-2 1K031414 1K082812A				
Misc. Info.:	15061				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:25	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				
First Level Reviewer: brazellc		Date:	17-Mar-2014 07:51:19		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.325	0.0	8912534	0.3105	
2 Chloride	4.633	4.675	-0.042	3996092294	202.1	E
3 Sulfate	6.217	6.358	-0.141	1714402224	122.4	E

QC Flag Legend

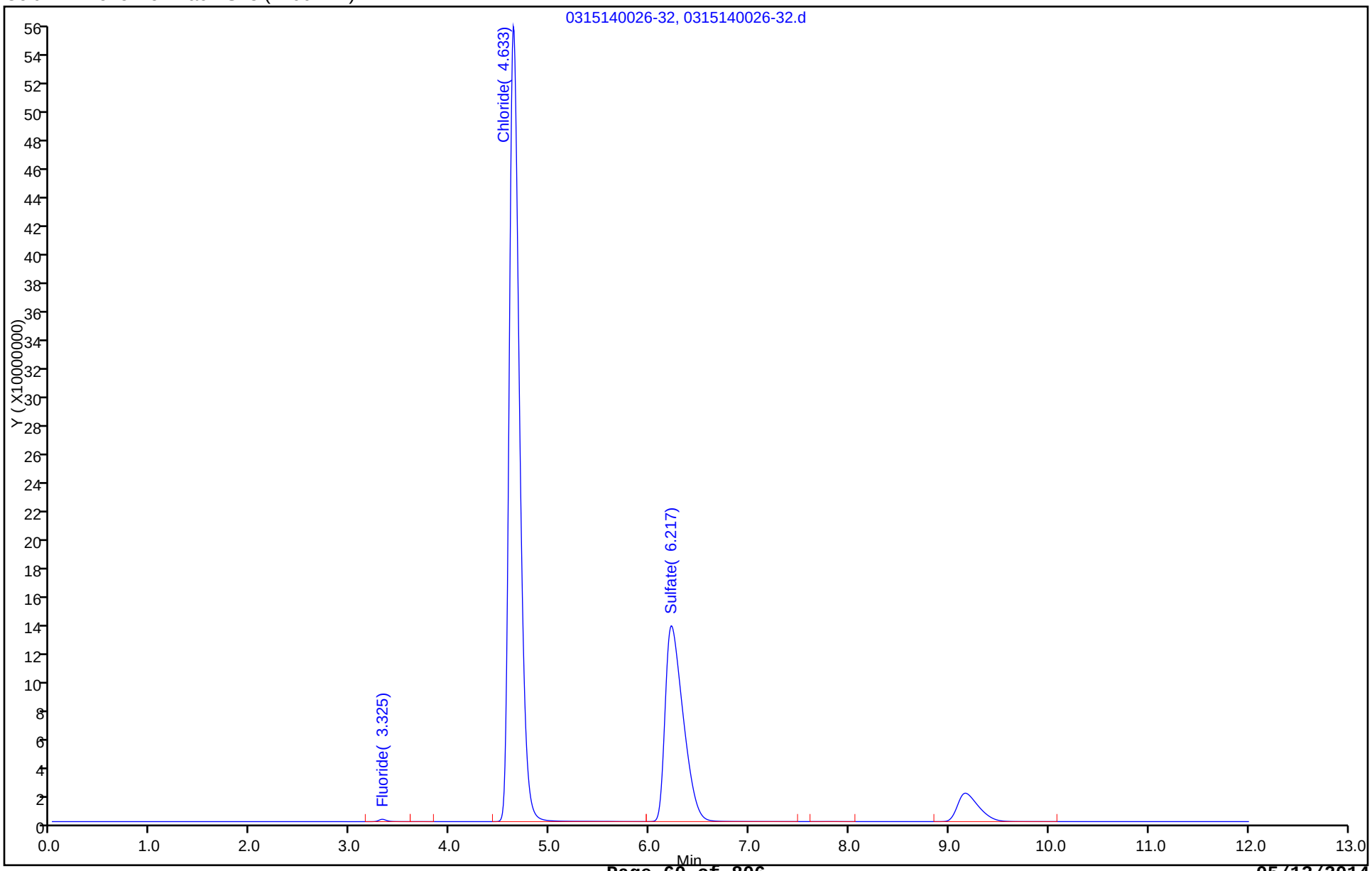
Processing Flags
E - Exceeded Maximum Amount

Report Date: 17-Mar-2014 07:59:27 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140026-32.d				
Injection Date:	15-Mar-2014 00:26:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99111-F-2	Lab Sample ID:	680-99111-2	Worklist Smp#:	27
Client ID:	SMSMW10A				
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICK	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW13A Lab Sample ID: 680-99116-2

Matrix: Water Lab File ID: 0315140042-33.d

Analysis Method: 300.0 Date Collected: 03/04/2014 12:55

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/15/2014 00:42

Con. Extract Vol.: 1(mL) Dilution Factor: 10

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319822 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	260		5.0	2.5
16887-00-6	Chloride	420		5.0	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140042-33.d				
Lims ID:	680-99111-F-2	Lab Sample ID:	680-99111-2		
Client ID:	SMSMW10A				
Sample Type:	Client				
Inject. Date:	15-Mar-2014 00:42:00	ALS Bottle#:	0	Worklist Smp#:	28
Injection Vol:	25.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-99116-F-2 1K031414 1K082812A				
Misc. Info.:	2078				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:25	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

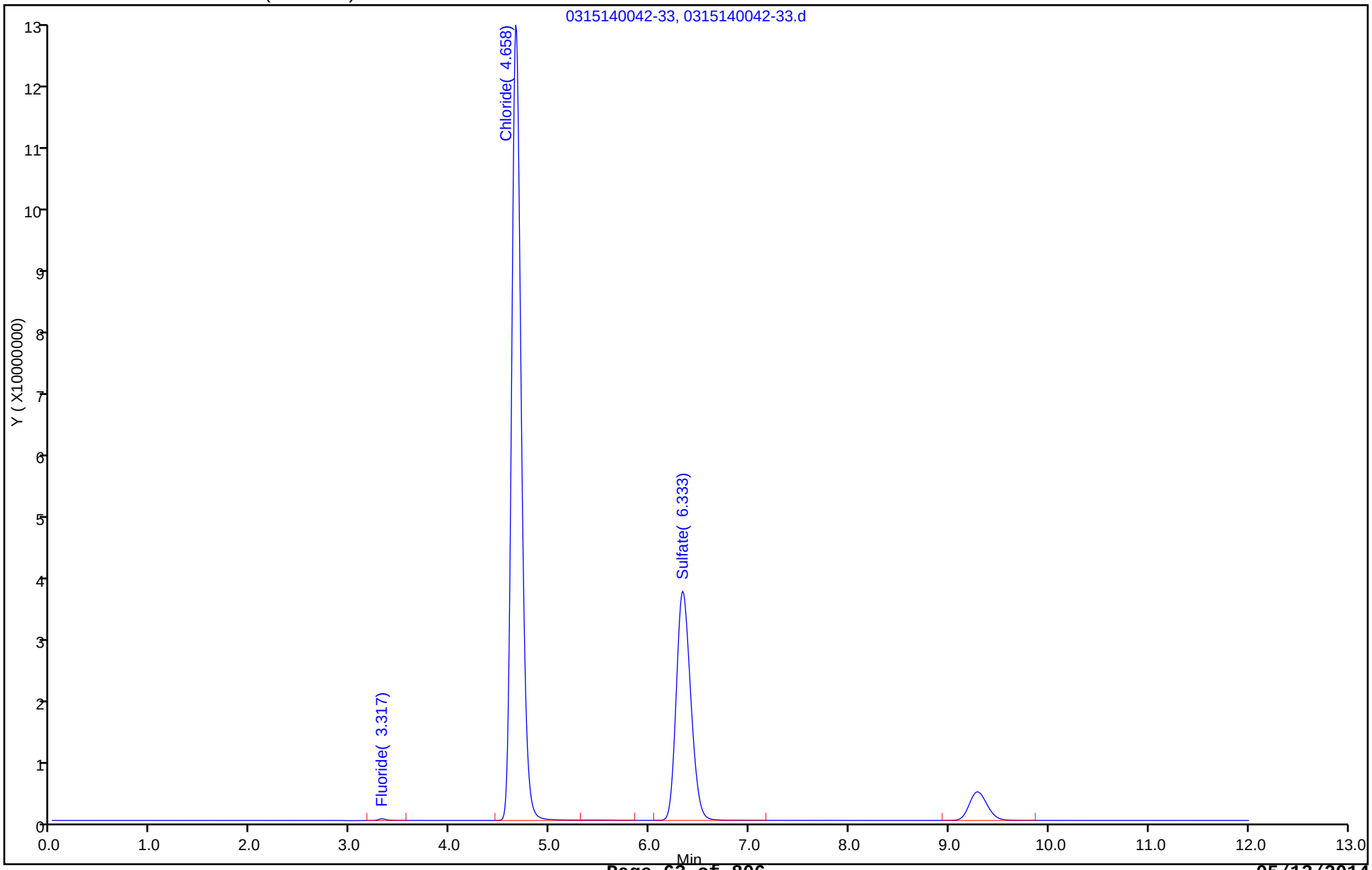
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.317	3.325	-0.008	1503154	0.0653	
2 Chloride	4.658	4.675	-0.017	830771488	42.1	
3 Sulfate	6.333	6.358	-0.025	357110746	25.6	

Report Date: 17-Mar-2014 07:59:27 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140042-33.d				
Injection Date:	15-Mar-2014 00:42:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99111-F-2	Lab Sample ID:	680-99111-2	Worklist Smp#:	28
Client ID:	SMSMW10A				
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICK	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW12B Lab Sample ID: 680-99116-3

Matrix: Water Lab File ID: 0317141330-27.d

Analysis Method: 300.0 Date Collected: 03/04/2014 15:47

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/17/2014 13:30

Con. Extract Vol.: 5(mL) Dilution Factor: 2

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319868 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16984-48-8	Fluoride	0.081	J	0.20	0.050

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141330-27.d				
Lims ID:	680-99116-F-3	Lab Sample ID:	680-99116-3		
Client ID:	SMSMW12B				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 13:30:00	ALS Bottle#:	0	Worklist Smp#:	24
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-99116-F-3 1L031714 connie				
Misc. Info.:	1224				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:45:31	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.208	-0.016	1109161	0.0403	
2 Chloride	4.383	4.417	-0.034	5354103238	241.1	E
3 Sulfate	5.833	5.958	-0.125	1749820009	105.3	E

QC Flag Legend

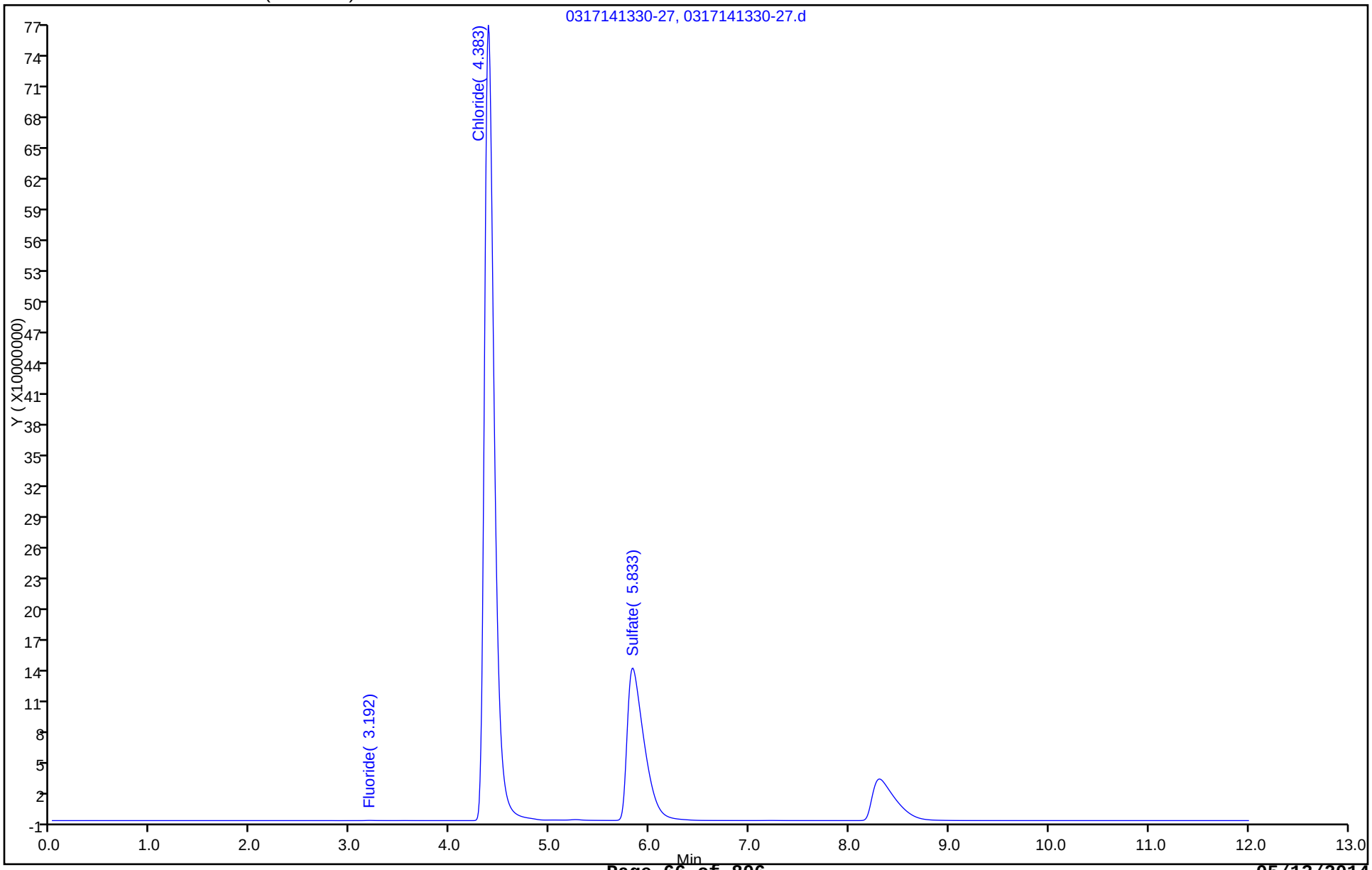
Processing Flags
E - Exceeded Maximum Amount

Report Date: 17-Mar-2014 15:45:34 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141330-27.d				
Injection Date:	17-Mar-2014 13:30:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99116-F-3	Lab Sample ID:	680-99116-3	Worklist Smp#:	24
Client ID:	SMSMW12B				
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW12B Lab Sample ID: 680-99116-3

Matrix: Water Lab File ID: 0315140112-35.d

Analysis Method: 300.0 Date Collected: 03/04/2014 15:47

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/15/2014 01:12

Con. Extract Vol.: 1(mL) Dilution Factor: 20

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319822 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	230		10	5.0
16887-00-6	Chloride	500		10	5.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140112-35.d				
Lims ID:	680-99116-F-3	Lab Sample ID:	680-99116-3		
Client ID:	SMSMW12B				
Sample Type:	Client				
Inject. Date:	15-Mar-2014 01:12:00	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	25.0 ul	Dil. Factor:	20.0000		
Sample Info:	680-99116-F-3 1K031414 1K082812A				
Misc. Info.:	20971				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:25	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

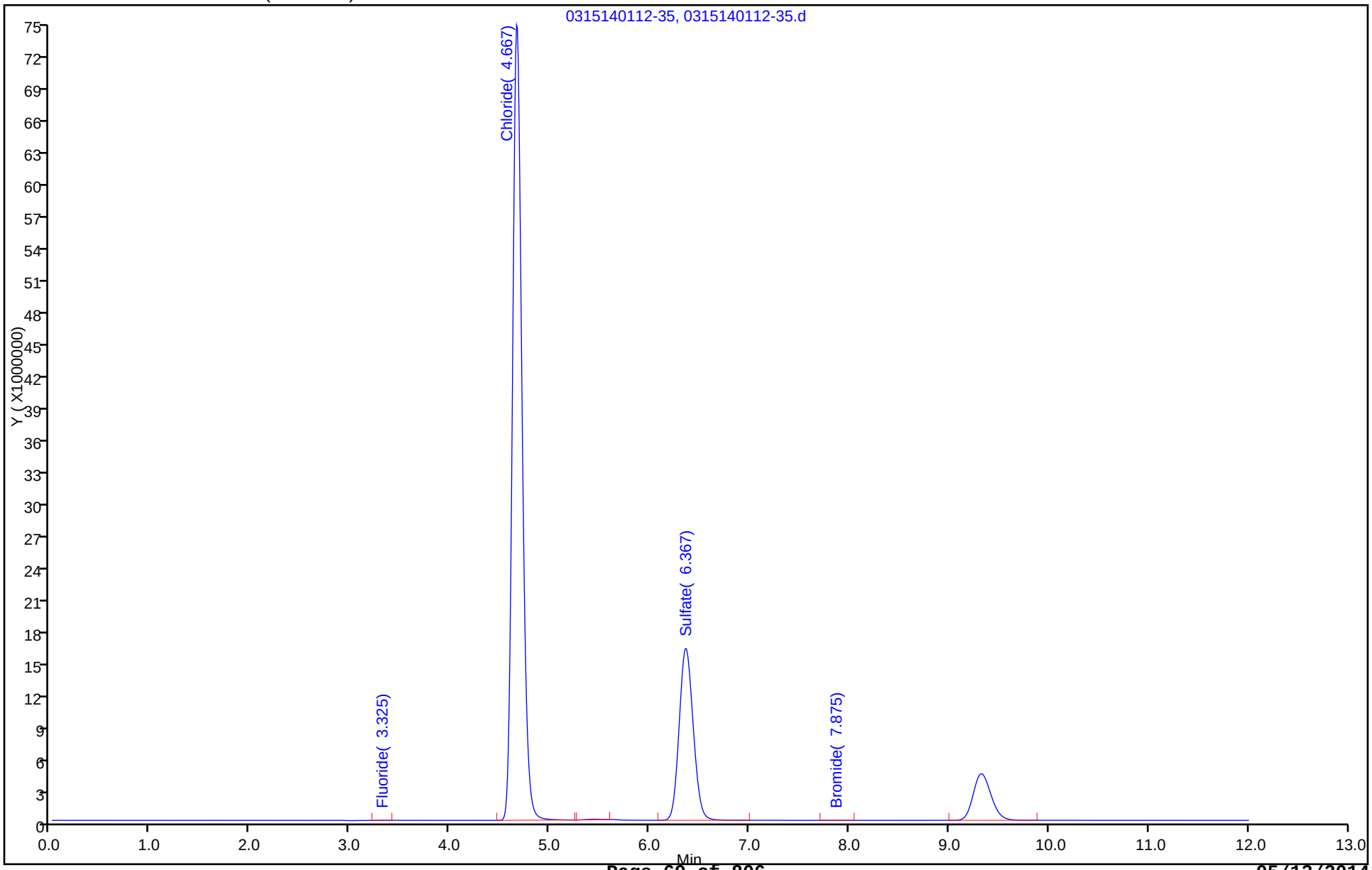
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.325	0.0	71474	0.0179	
2 Chloride	4.667	4.675	-0.008	493593804	25.1	
3 Sulfate	6.367	6.358	0.009	156944589	11.3	
4 Bromide	7.875	7.808	0.067	65318	0.2280	

Report Date: 17-Mar-2014 07:59:28 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140112-35.d				
Injection Date:	15-Mar-2014 01:12:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99116-F-3	Lab Sample ID:	680-99116-3	Worklist Smp#:	30
Client ID:	SMSMW12B				
Injection Vol:	25.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICK	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW07A Lab Sample ID: 680-99116-4

Matrix: Water Lab File ID: 0315140315-43.d

Analysis Method: 300.0 Date Collected: 03/04/2014 09:40

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/15/2014 03:15

Con. Extract Vol.: 1(mL) Dilution Factor: 10

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319823 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16984-48-8	Fluoride	9.5		1.0	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140315-43.d				
Lims ID:	680-99116-F-4	Lab Sample ID:	680-99116-4		
Client ID:	SMSMW07A				
Sample Type:	Client				
Inject. Date:	15-Mar-2014 03:15:00	ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	25.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-99116-F-4 2K031414 1K082812A				
Misc. Info.:	15453				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:37	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				
First Level Reviewer: brazellc		Date:	17-Mar-2014 07:59:17		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.308	3.333	-0.025	28309780	0.9525	
2 Chloride	4.642	4.675	-0.033	33166302739	1676.5	E
3 Sulfate	6.208	6.350	-0.142	1698029516	121.3	E

QC Flag Legend

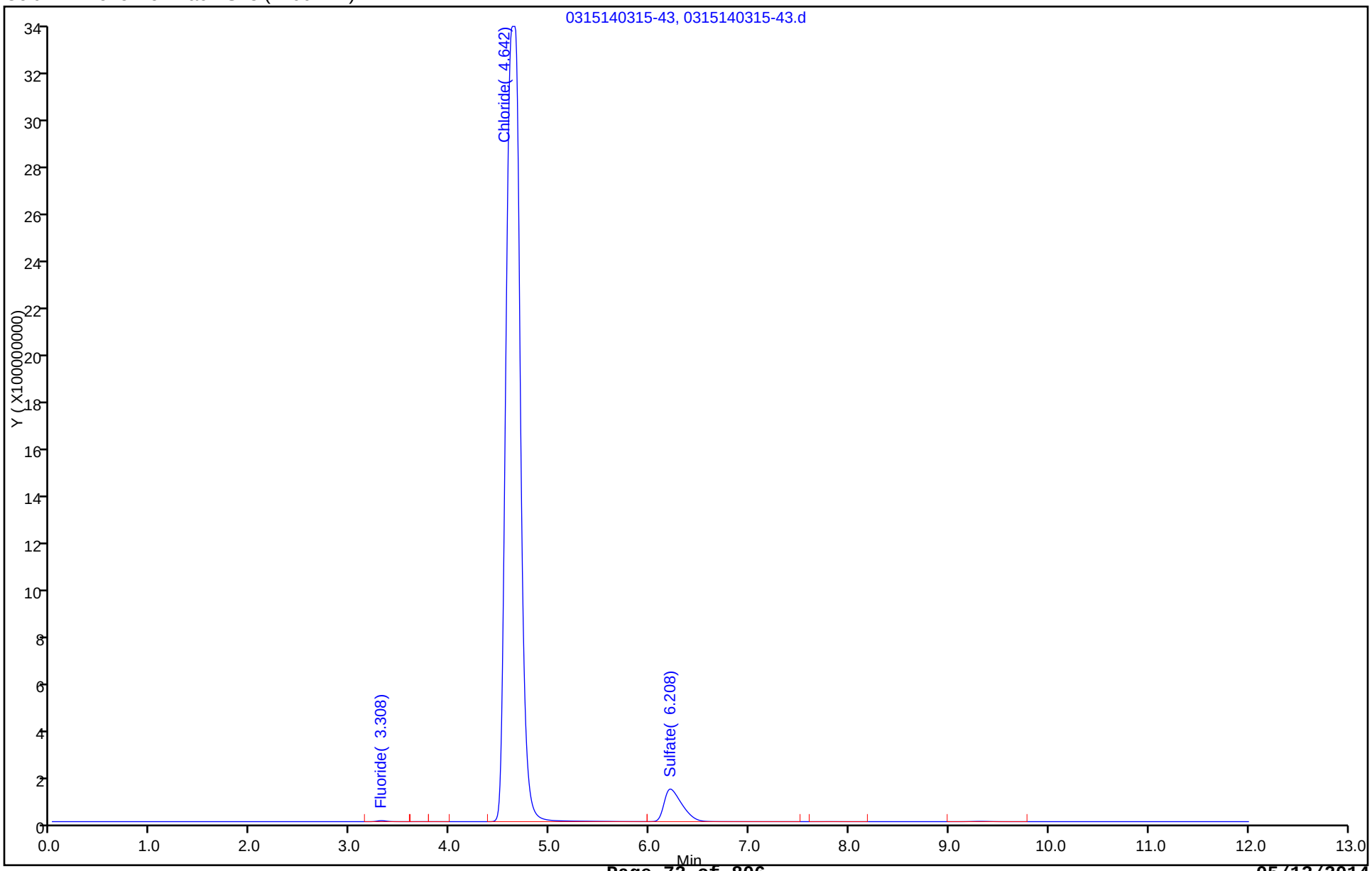
Processing Flags
E - Exceeded Maximum Amount

Report Date: 17-Mar-2014 07:59:40 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140315-43.d				
Injection Date:	15-Mar-2014 03:15:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99116-F-4	Lab Sample ID:	680-99116-4	Worklist Smp#:	38
Client ID:	SMSMW07A				
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICK	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID: SMSMW07A
Lab Sample ID: 680-99116-4
Matrix: Water
Lab File ID: 0317140943-13.d
Analysis Method: 300.0
Date Collected: 03/04/2014 09:40
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/17/2014 09:43
Con. Extract Vol.: 1(mL)
Dilution Factor: 50
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319854
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	1100		25	13

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317140943-13.d				
Lims ID:	680-99116-F-4	Lab Sample ID:	680-99116-4		
Client ID:	SMSMW07A				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 09:43:00	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	25.0 ul	Dil. Factor:	50.0000		
Sample Info:	680-99116-F-4 1K031714 1K082812A				
Misc. Info.:	2761				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:09:11	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

First Level Reviewer: brazellc Date: 17-Mar-2014 10:11:03

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.317	3.325	-0.008	3876912	0.1360	
2 Chloride	4.625	4.667	-0.042	6749906587	340.7	E
3 Sulfate	6.325	6.333	-0.008	316519426	22.5	

QC Flag Legend

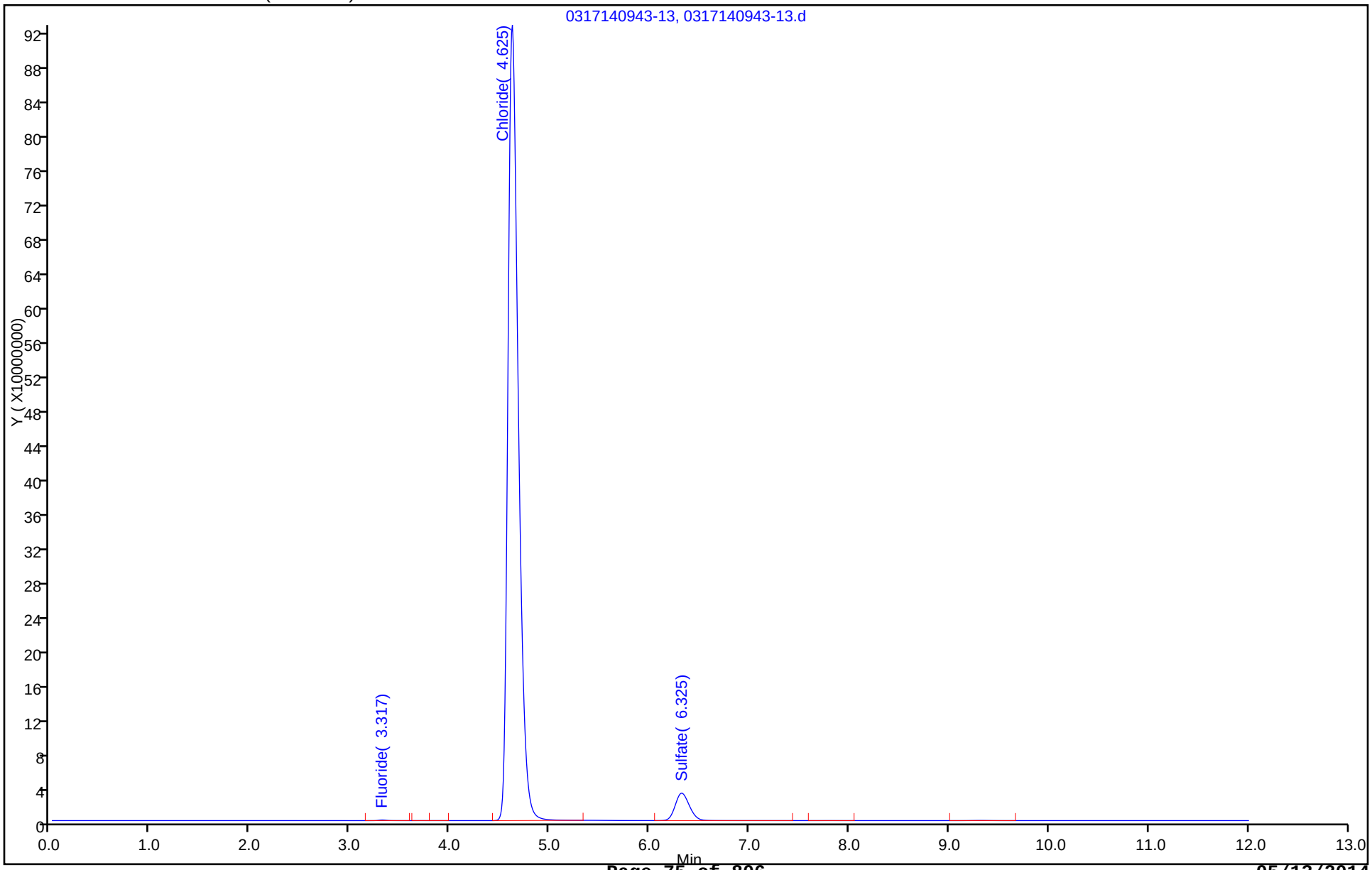
Processing Flags
E - Exceeded Maximum Amount

Report Date: 17-Mar-2014 15:09:13 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317140943-13.d				
Injection Date:	17-Mar-2014 09:43:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99116-F-4	Lab Sample ID:	680-99116-4	Worklist Smp#:	9
Client ID:	SMSMW07A				
Injection Vol:	25.0 ul	Dil. Factor:	50.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICK	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW07A Lab Sample ID: 680-99116-4

Matrix: Water Lab File ID: 0317140959-14.d

Analysis Method: 300.0 Date Collected: 03/04/2014 09:40

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/17/2014 09:59

Con. Extract Vol.: 1(mL) Dilution Factor: 500

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319854 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	17000		250	130

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317140959-14.d				
Lims ID:	680-99116-F-4	Lab Sample ID:	680-99116-4		
Client ID:	SMSMW07A				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 09:59:00	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	25.0 ul	Dil. Factor:	500.0000		
Sample Info:	680-99116-F-4 1K031714 1K082812A				
Misc. Info.:	22988				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:09:11	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

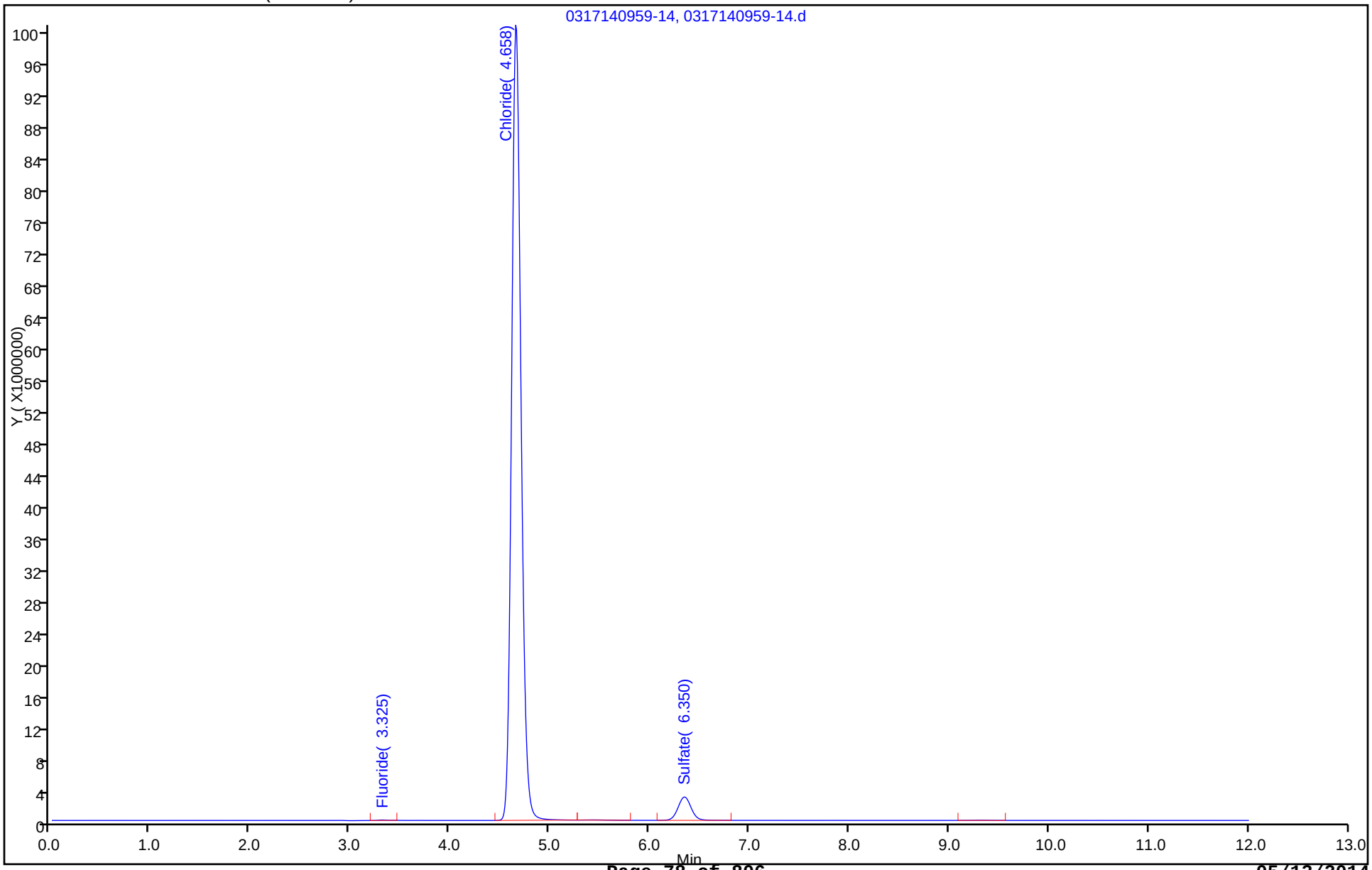
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.325	0.0	257850	0.0180	
2 Chloride	4.658	4.667	-0.009	653388028	33.1	
3 Sulfate	6.350	6.333	0.017	26750251	2.05	

Report Date: 17-Mar-2014 15:09:14 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317140959-14.d				
Injection Date:	17-Mar-2014 09:59:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99116-F-4	Lab Sample ID:	680-99116-4	Worklist Smp#:	10
Client ID:	SMSMW07A				
Injection Vol:	25.0 ul	Dil. Factor:	500.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICK	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW13B Lab Sample ID: 680-99116-5

Matrix: Water Lab File ID: 0315140330-44.d

Analysis Method: 300.0 Date Collected: 03/04/2014 10:20

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/15/2014 03:30

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319823 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16984-48-8	Fluoride	0.65		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140330-44.d				
Lims ID:	680-99116-F-5	Lab Sample ID:	680-99116-5		
Client ID:	SMSMW13B				
Sample Type:	Client				
Inject. Date:	15-Mar-2014 03:30:00	ALS Bottle#:	0	Worklist Smp#:	39
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99116-F-5 2K031414 1K082812A				
Misc. Info.:	13935				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:50	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.333	0.0	19037372	0.6456	
2 Chloride	4.675	4.675	0.0	460981130	23.4	
3 Sulfate	6.258	6.350	-0.092	1167116086	83.4	E

QC Flag Legend

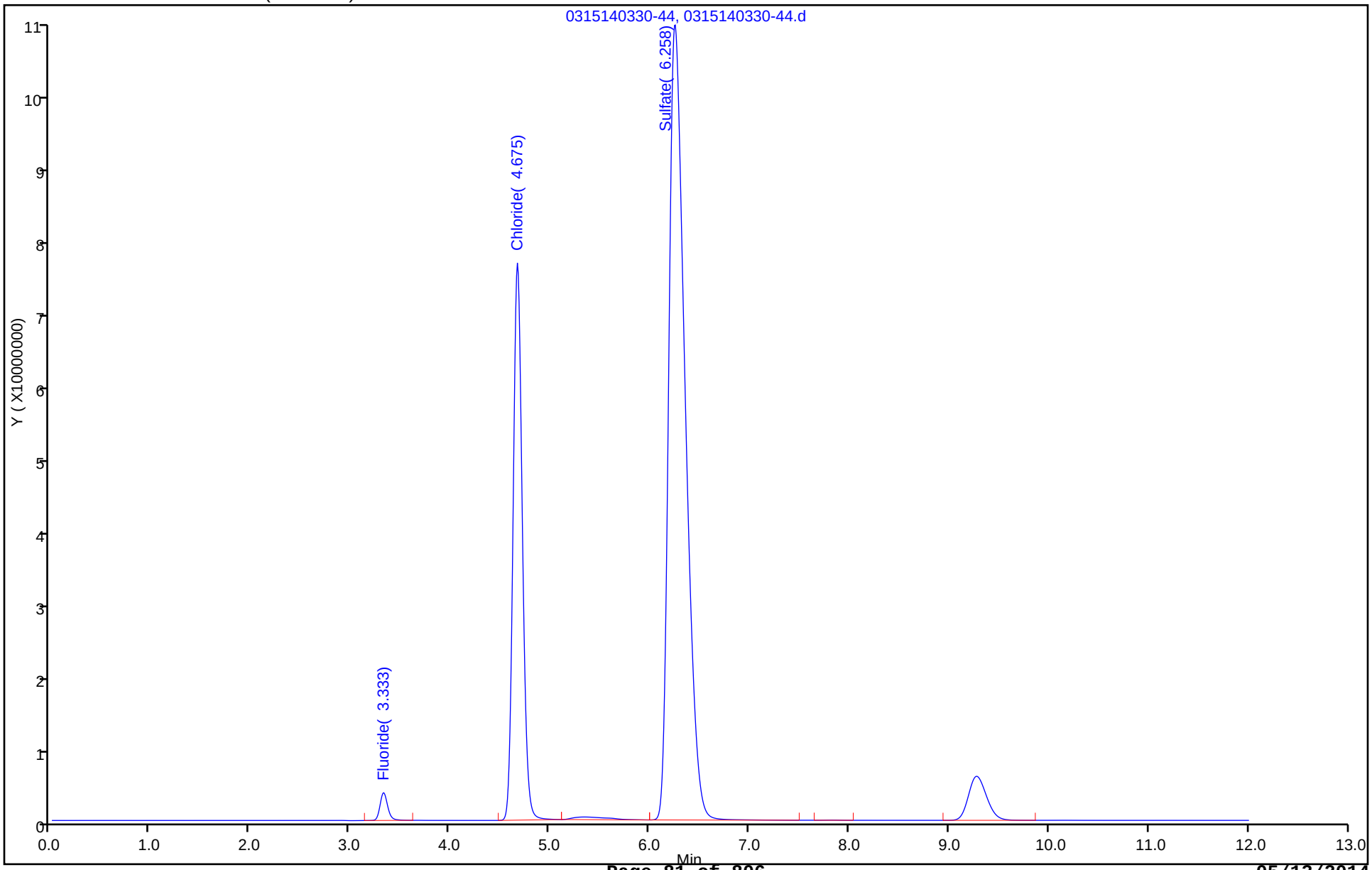
Processing Flags
E - Exceeded Maximum Amount

Report Date: 17-Mar-2014 07:59:50 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140330-44.d				
Injection Date:	15-Mar-2014 03:30:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99116-F-5	Lab Sample ID:	680-99116-5	Worklist Smp#:	39
Client ID:	SMSMW13B				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICK	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID: SMSMW13B
Lab Sample ID: 680-99116-5
Matrix: Water
Lab File ID: 0317140946-12.d
Analysis Method: 300.0
Date Collected: 03/04/2014 10:20
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/17/2014 09:46
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319868
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	23		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317140946-12.d				
Lims ID:	680-99116-F-5	Lab Sample ID:	680-99116-5		
Client ID:	SMSMW13B				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 09:46:00	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99116-F-5 1L031714 connie				
Misc. Info.:	23317				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:45:27	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK021				
First Level Reviewer: brazellc		Date:	17-Mar-2014 10:14:22		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	22953582	0.6408	
2 Chloride	4.417	4.417	0.0	508038370	22.9	
3 Sulfate	5.850	5.958	-0.108	1322660841	79.6	E

QC Flag Legend

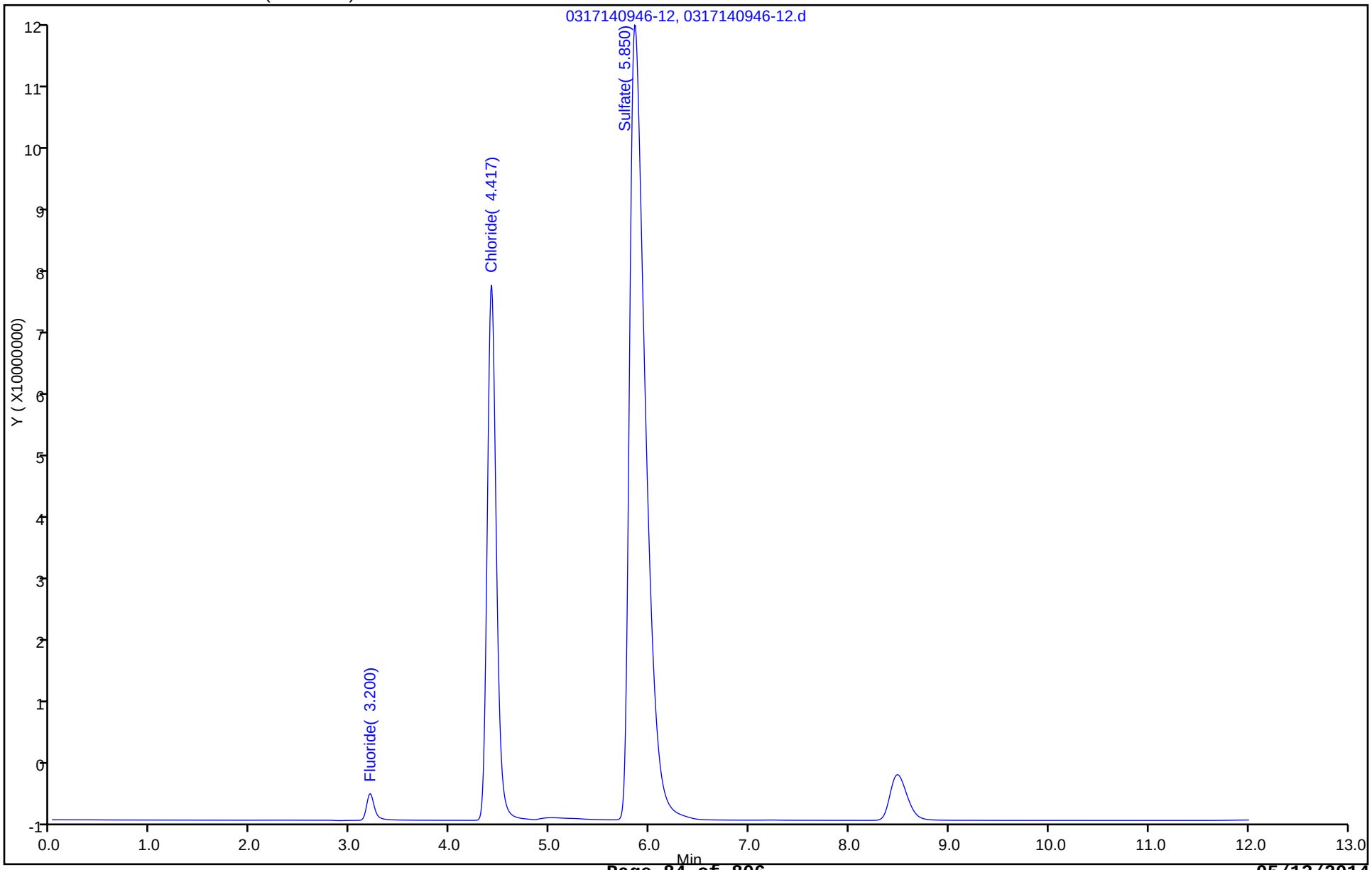
Processing Flags
E - Exceeded Maximum Amount

Report Date: 17-Mar-2014 15:45:30 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317140946-12.d				
Injection Date:	17-Mar-2014 09:46:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99116-F-5	Lab Sample ID:	680-99116-5	Worklist Smp#:	9
Client ID:	SMSMW13B				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW13B Lab Sample ID: 680-99116-5

Matrix: Water Lab File ID: 0317141045-17.d

Analysis Method: 300.0 Date Collected: 03/04/2014 10:20

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/17/2014 10:45

Con. Extract Vol.: 1(mL) Dilution Factor: 4

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319854 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	82		2.0	1.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317141045-17.d				
Lims ID:	680-99116-F-5	Lab Sample ID:	680-99116-5		
Client ID:	SMSMW13B				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 10:45:00	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	25.0 ul	Dil. Factor:	4.0000		
Sample Info:	680-99116-F-5 1K031714 1K082812A				
Misc. Info.:	12399				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:09:11	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

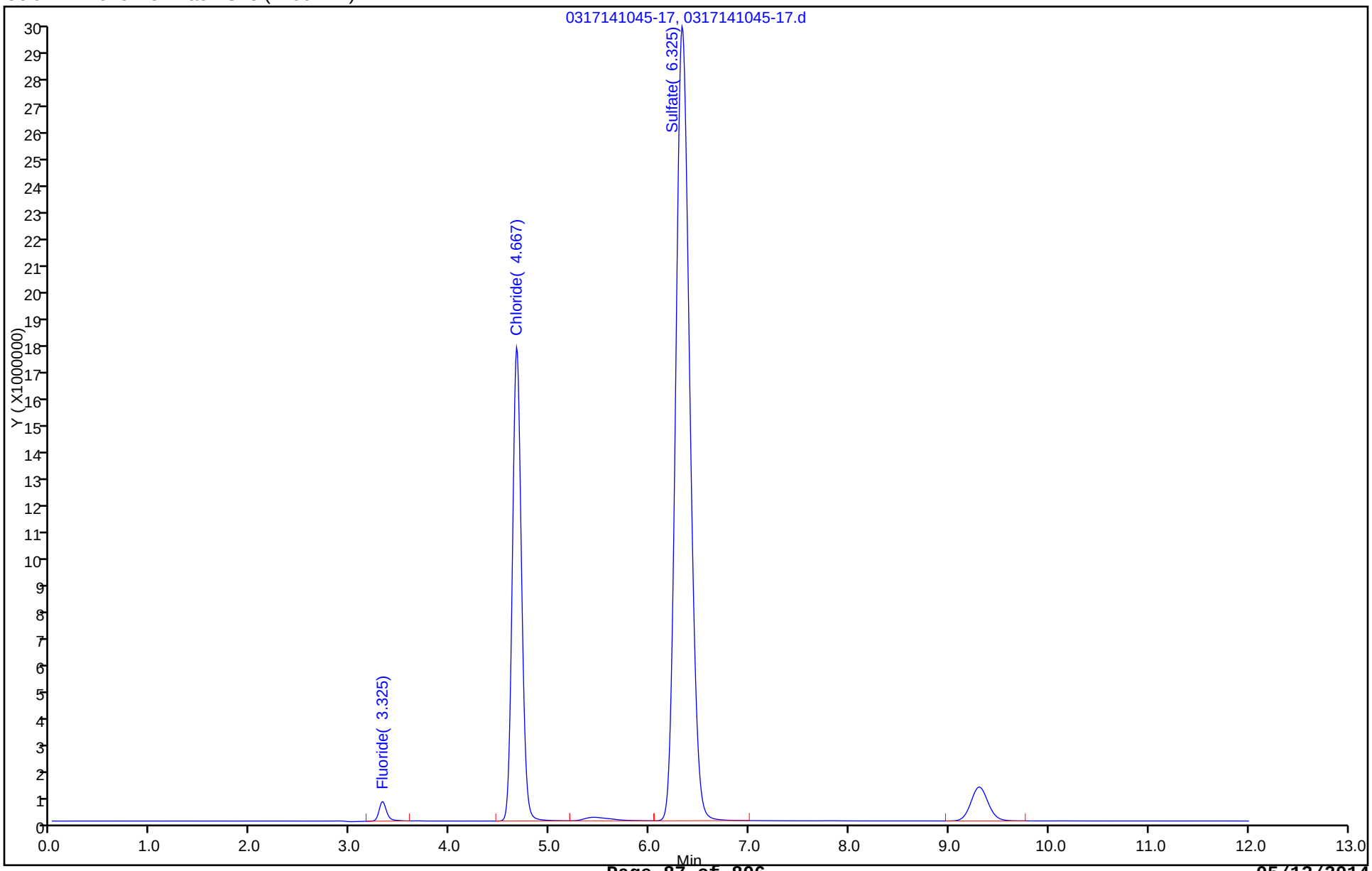
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.325	0.0	3893251	0.1365	
2 Chloride	4.667	4.667	0.0	111509698	5.72	
3 Sulfate	6.325	6.333	-0.008	289196796	20.6	

Report Date: 17-Mar-2014 15:09:15 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317141045-17.d				
Injection Date:	17-Mar-2014 10:45:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99116-F-5	Lab Sample ID:	680-99116-5	Worklist Smp#:	13
Client ID:	SMSMW13B				
Injection Vol:	25.0 ul	Dil. Factor:	4.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICK	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW20 Lab Sample ID: 680-99116-6

Matrix: Water Lab File ID: 0315140346-45.d

Analysis Method: 300.0 Date Collected: 03/04/2014 09:47

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/15/2014 03:46

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319823 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10		0.50	0.25
16984-48-8	Fluoride	0.24		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140346-45.d				
Lims ID:	680-99116-F-6	Lab Sample ID:	680-99116-6		
Client ID:	SMSSW20				
Sample Type:	Client				
Inject. Date:	15-Mar-2014 03:46:00	ALS Bottle#:	0	Worklist Smp#:	40
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99116-F-6 2K031414 1K082812A				
Misc. Info.:	6634				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:28	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

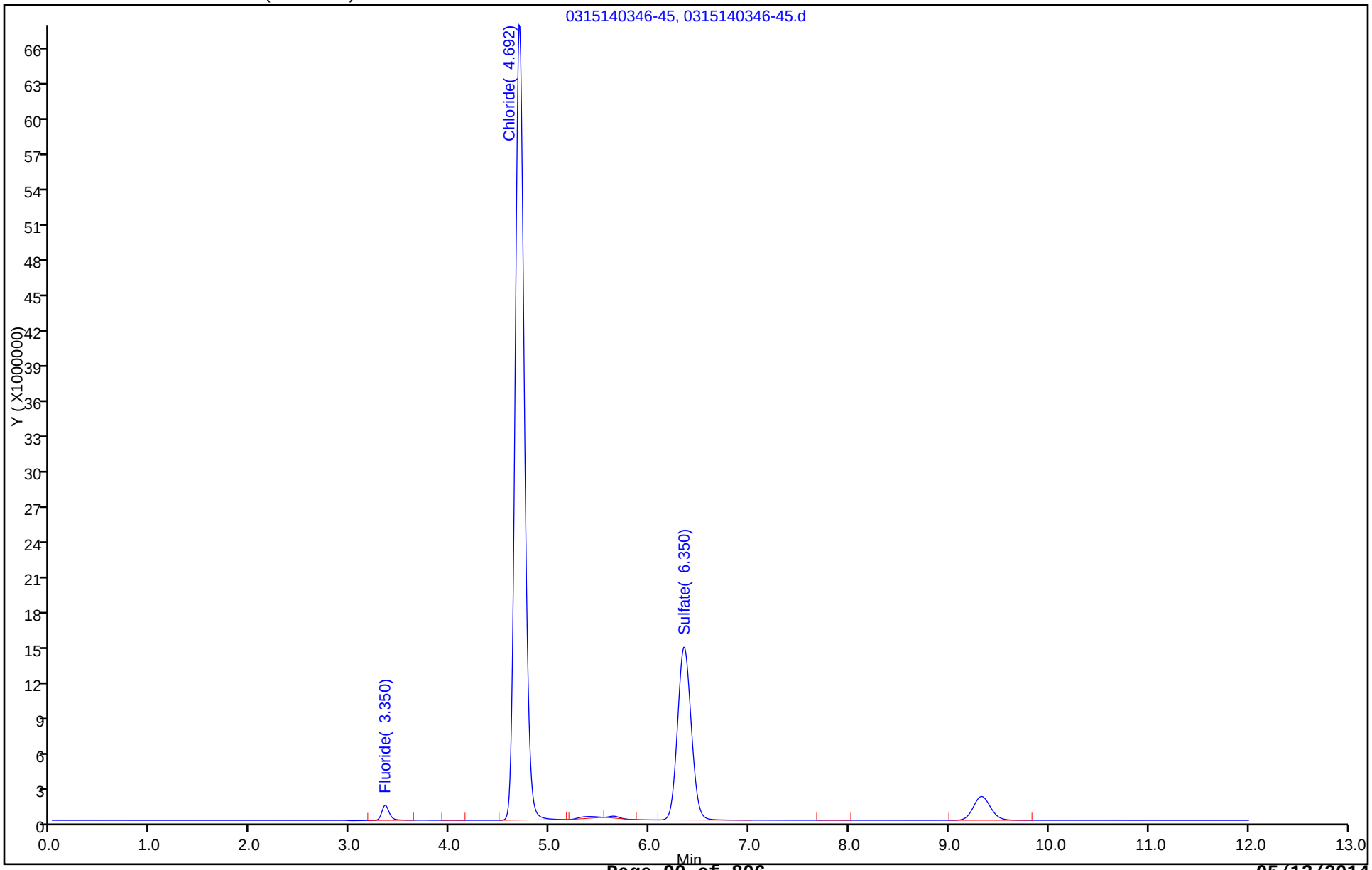
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.350	3.342	0.008	6825048	0.2414	
2 Chloride	4.692	4.683	0.009	436372942	22.2	
3 Sulfate	6.350	6.350	0.0	139886528	10.1	

Report Date: 17-Mar-2014 07:59:30 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140346-45.d				
Injection Date:	15-Mar-2014 03:46:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99116-F-6	Lab Sample ID:	680-99116-6	Worklist Smp#:	40
Client ID:	SMSSW20				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICK	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW20 Lab Sample ID: 680-99116-6

Matrix: Water Lab File ID: 0317141000-13.d

Analysis Method: 300.0 Date Collected: 03/04/2014 09:47

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/17/2014 10:00

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319868 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	22		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141000-13.d				
Lims ID:	680-99116-F-6	Lab Sample ID:	680-99116-6		
Client ID:	SMSSW20				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 10:00:00	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99116-F-6 1L031714 connie				
Misc. Info.:	20930				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:45:27	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK021				

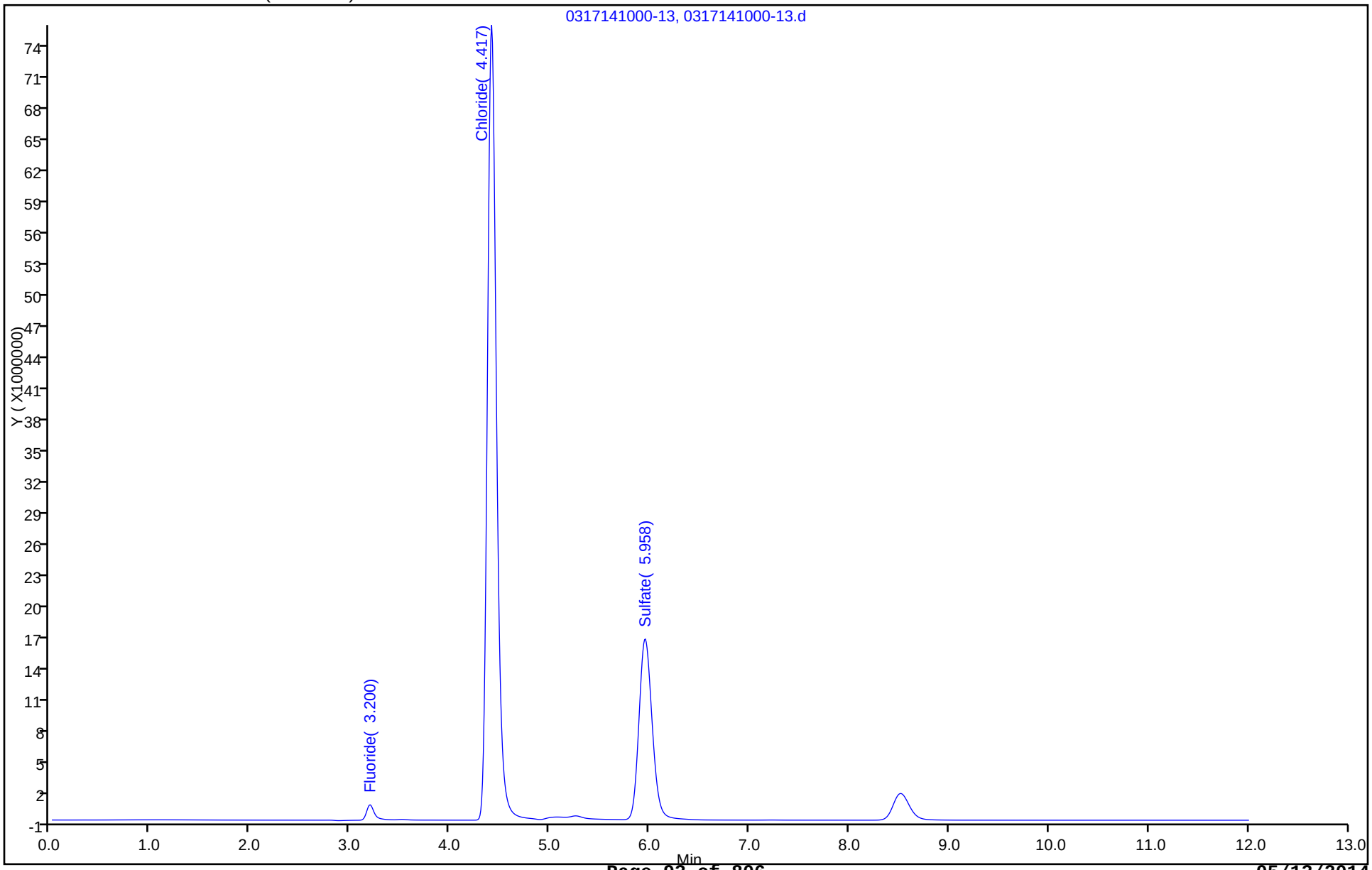
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	8272160	0.2372	
2 Chloride	4.417	4.417	0.0	484162719	21.9	
3 Sulfate	5.958	5.958	0.0	158902152	9.58	

Report Date: 17-Mar-2014 15:45:30 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141000-13.d				
Injection Date:	17-Mar-2014 10:00:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99116-F-6	Lab Sample ID:	680-99116-6	Worklist Smp#:	10
Client ID:	SMSSW20				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW11A Lab Sample ID: 680-99116-7

Matrix: Water Lab File ID: 0317141100-18.d

Analysis Method: 300.0 Date Collected: 03/04/2014 09:22

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/17/2014 11:00

Con. Extract Vol.: 1(mL) Dilution Factor: 10

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319854 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	110		5.0	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICK\20140317-7201.b\0317141100-18.d
Lims ID: 680-99116-F-7 Lab Sample ID: 680-99116-7
Client ID: SMSMW11A
Sample Type: Client
Inject. Date: 17-Mar-2014 11:00:00 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 25.0 ul Dil. Factor: 10.0000
Sample Info: 680-99116-F-7 1K031714 1K082812A
Misc. Info.: 5812
Operator ID: Instrument ID: CICK

Method: \\SAVCHROM\ChromData\CICK\20140317-7201.b\300.0_9056A_CICK.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 17-Mar-2014 15:09:11 Calib Date: 16-Mar-2014 13:01:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d

Column 1 : Dionex Ion Pac AS18 (4.00 mm) Det: 0118131406-12
Process Host: XAWRK021

First Level Reviewer: brazellc Date: 17-Mar-2014 11:30:28

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.342	3.325	0.017	413860445	13.5	E
2 Chloride	4.633	4.667	-0.034	4218386857	212.9	E
3 Sulfate	6.342	6.333	0.009	149073007	10.7	

QC Flag Legend

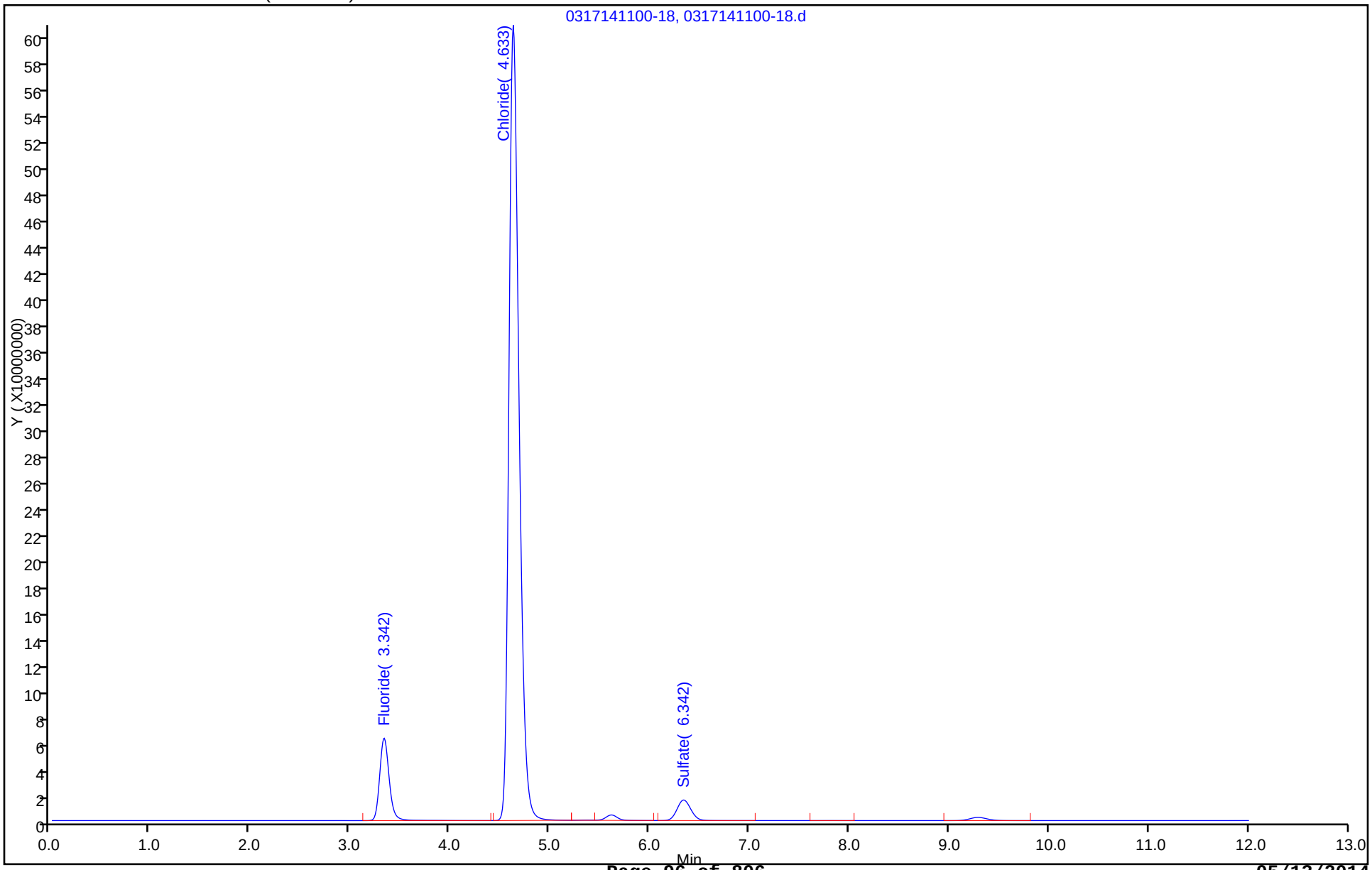
Processing Flags
E - Exceeded Maximum Amount

Report Date: 17-Mar-2014 15:09:15 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317141100-18.d				
Injection Date:	17-Mar-2014 11:00:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99116-F-7	Lab Sample ID:	680-99116-7	Worklist Smp#:	14
Client ID:	SMSMW11A				
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICK	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW11A Lab Sample ID: 680-99116-7

Matrix: Water Lab File ID: 0317141344-28.d

Analysis Method: 300.0 Date Collected: 03/04/2014 09:22

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/17/2014 13:44

Con. Extract Vol.: 5(mL) Dilution Factor: 25

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319868 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16984-48-8	Fluoride	140		2.5	0.63

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141344-28.d				
Lims ID:	680-99116-F-7	Lab Sample ID:	680-99116-7		
Client ID:	SMSMW11A				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 13:44:00	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	25.0 ul	Dil. Factor:	25.0000		
Sample Info:	680-99116-F-7 1L031714 connie				
Misc. Info.:	8638				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:45:31	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.208	3.208	0.0	208328110	5.74	
2 Chloride	4.408	4.417	-0.009	1984127938	89.4	E
3 Sulfate	5.967	5.958	0.009	71133149	4.30	

QC Flag Legend

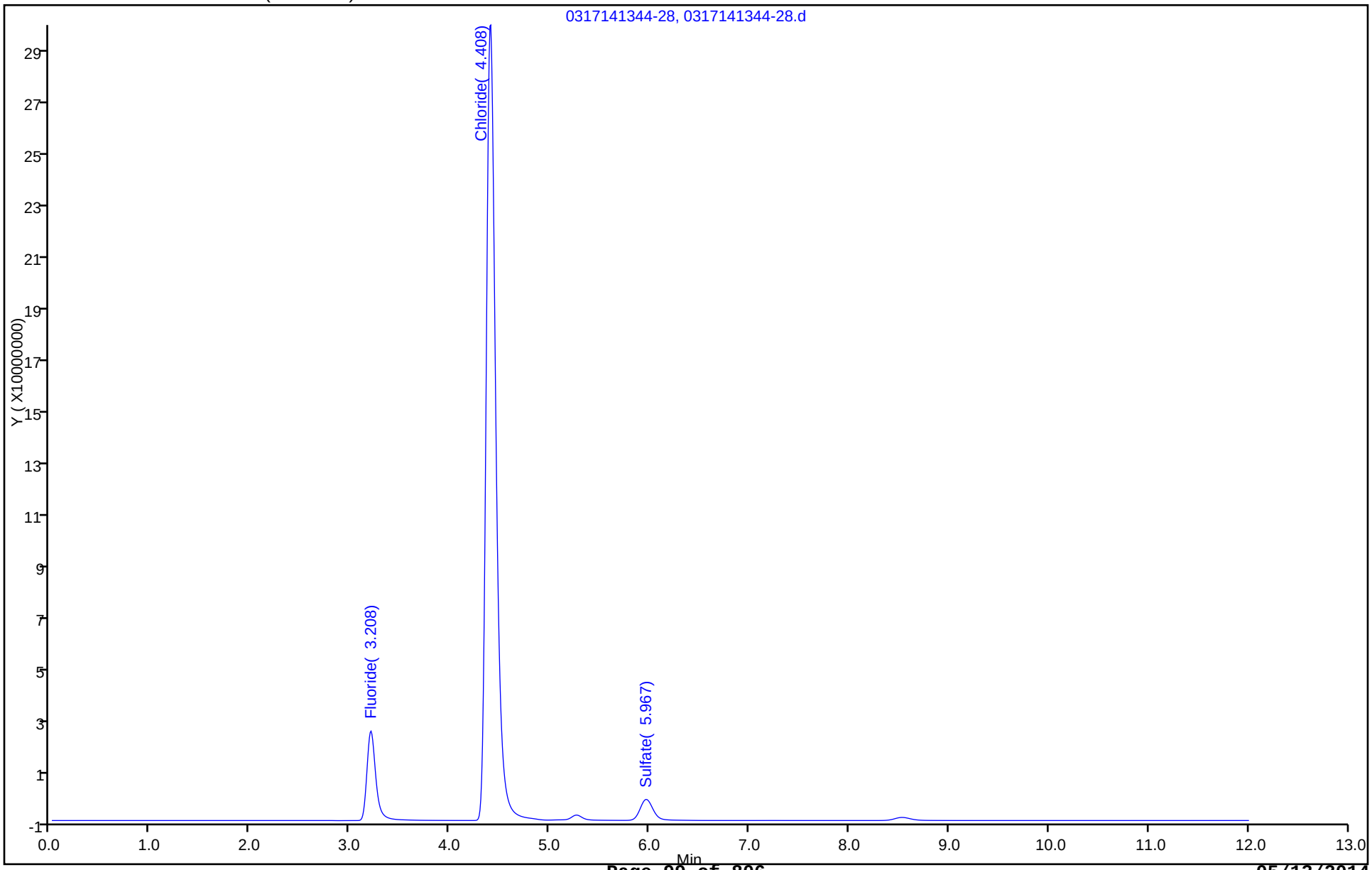
Processing Flags
E - Exceeded Maximum Amount

Report Date: 17-Mar-2014 15:45:34 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141344-28.d				
Injection Date:	17-Mar-2014 13:44:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99116-F-7	Lab Sample ID:	680-99116-7	Worklist Smp#:	25
Client ID:	SMSMW11A				
Injection Vol:	25.0 ul	Dil. Factor:	25.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW11A Lab Sample ID: 680-99116-7

Matrix: Water Lab File ID: 0317141201-22.d

Analysis Method: 300.0 Date Collected: 03/04/2014 09:22

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/17/2014 12:01

Con. Extract Vol.: 1(mL) Dilution Factor: 100

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319854 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	2200		50	25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317141201-22.d				
Lims ID:	680-99116-F-7	Lab Sample ID:	680-99116-7		
Client ID:	SMSMW11A				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 12:01:00	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	25.0 ul	Dil. Factor:	100.0000		
Sample Info:	680-99116-F-7 1K031714 1K082812A				
Misc. Info.:	24813				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:10:51	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				
First Level Reviewer: brazellc		Date:	17-Mar-2014 15:09:11		

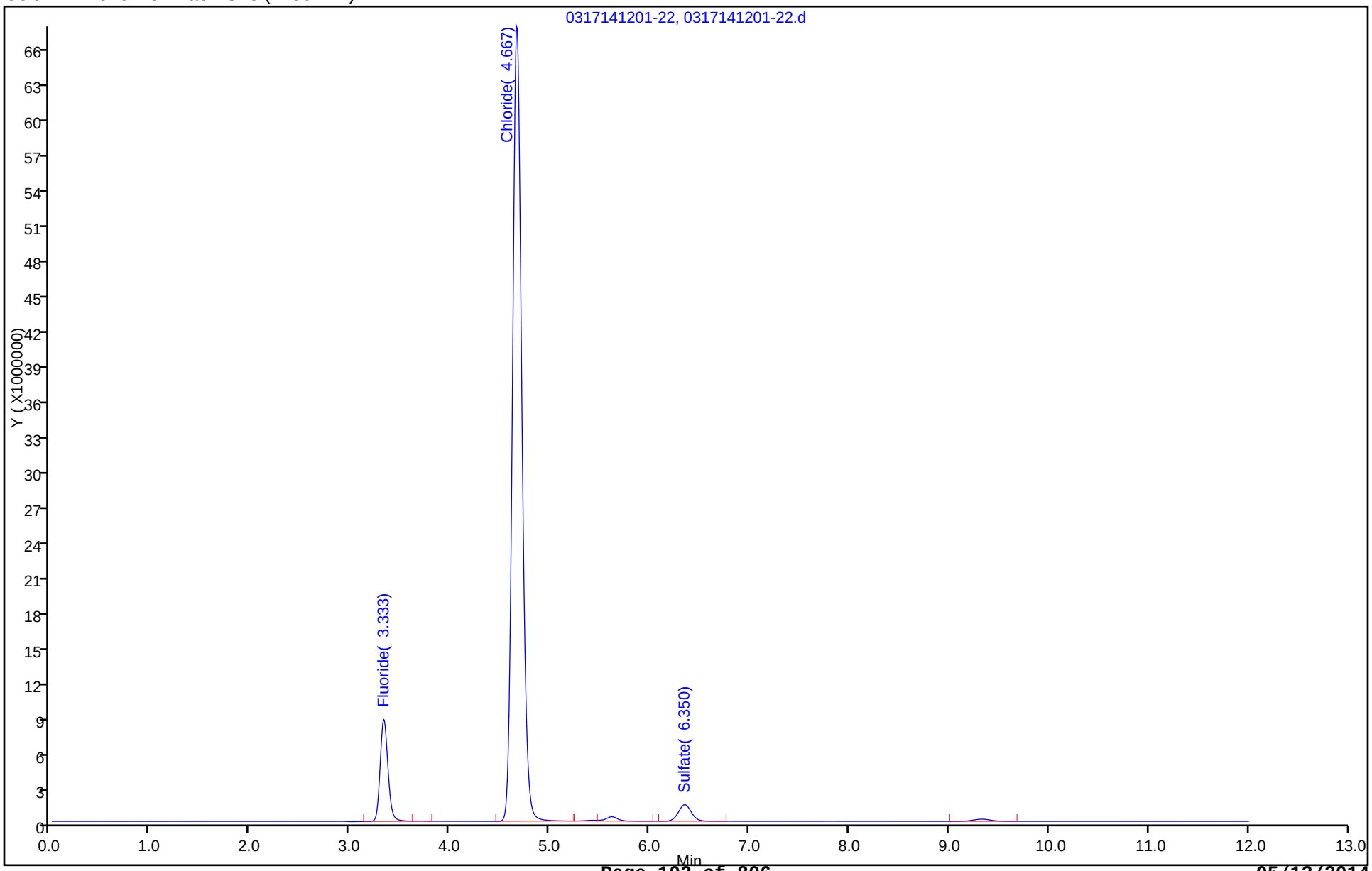
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.333	0.0	46975078	1.54	
2 Chloride	4.667	4.675	-0.008	434857827	22.0	
3 Sulfate	6.350	6.350	0.0	12709362	1.05	

Report Date: 17-Mar-2014 15:10:51 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317141201-22.d				
Injection Date:	17-Mar-2014 12:01:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99116-F-7	Lab Sample ID:	680-99116-7	Worklist Smp#:	18
Client ID:	SMSMW11A				
Injection Vol:	25.0 ul	Dil. Factor:	100.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICK	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW07B Lab Sample ID: 680-99116-8

Matrix: Water Lab File ID: 0315140447-49.d

Analysis Method: 300.0 Date Collected: 03/04/2014 11:52

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/15/2014 04:47

Con. Extract Vol.: 1(mL) Dilution Factor: 100

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319823 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	1100		50	25
16984-48-8	Fluoride	<2.5		10	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140447-49.d				
Lims ID:	680-99116-F-8	Lab Sample ID:	680-99116-8		
Client ID:	SMSMW07B				
Sample Type:	Client				
Inject. Date:	15-Mar-2014 04:47:00	ALS Bottle#:	0	Worklist Smp#:	44
Injection Vol:	25.0 ul	Dil. Factor:	100.0000		
Sample Info:	680-99116-F-8 2K031414 1K082812A				
Misc. Info.:	13350				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:28	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				
First Level Reviewer: brazellc		Date:	17-Mar-2014 07:57:02		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.342	-0.017	210950	0.0225	M
2 Chloride	4.625	4.683	-0.058	7933495178	401.1	E
3 Sulfate	6.342	6.350	-0.008	155108272	11.2	
4 Bromide	7.825	7.833	-0.008	322127	0.2585	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

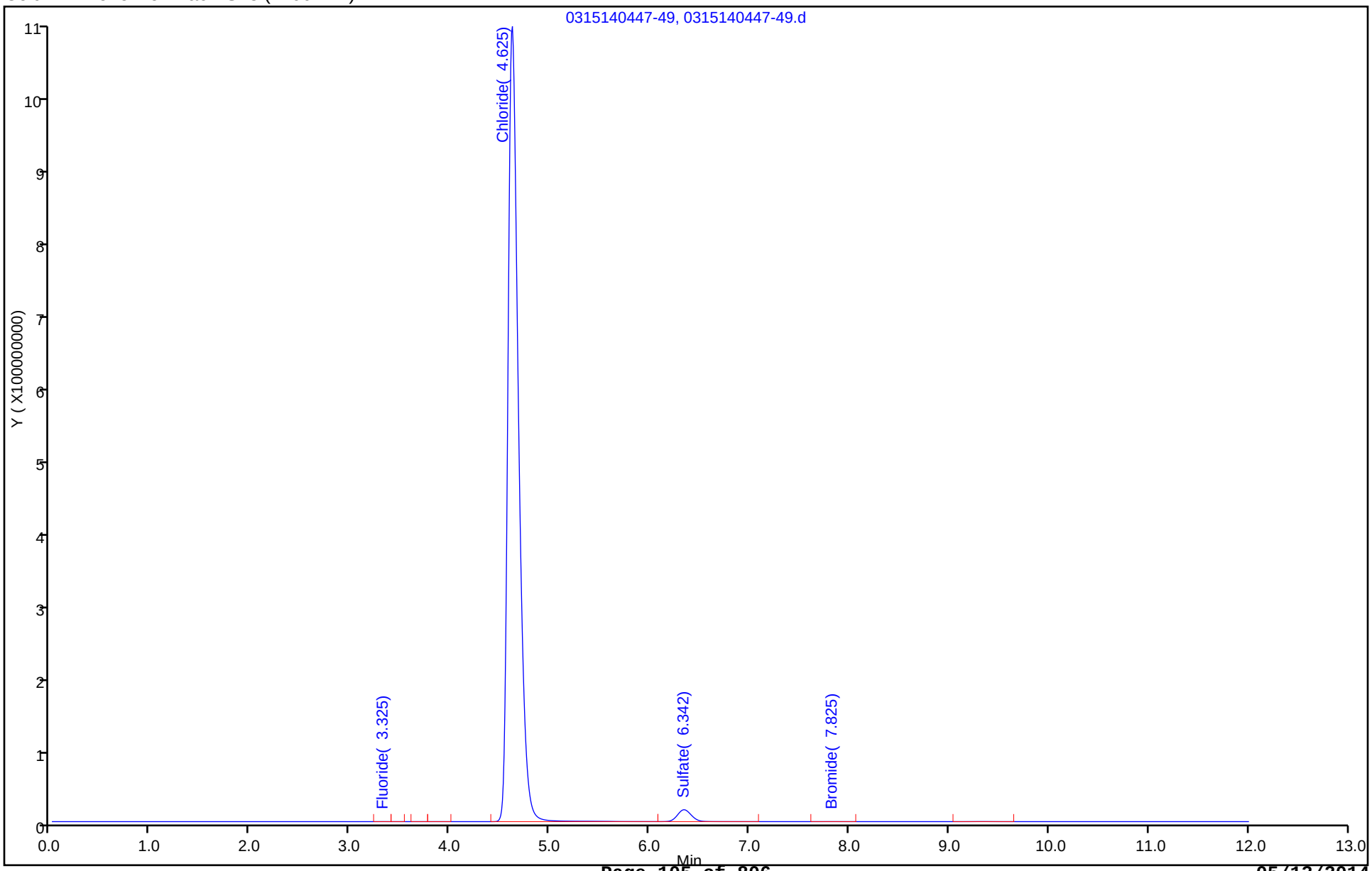
Review Flags
M - Manually Integrated

Report Date: 17-Mar-2014 07:59:31 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140447-49.d				
Injection Date:	15-Mar-2014 04:47:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99116-F-8	Lab Sample ID:	680-99116-8	Worklist Smp#:	44
Client ID:	SMSMW07B				
Injection Vol:	25.0 ul	Dil. Factor:	100.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICK	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



Manual Integration/User Assign Peak Report

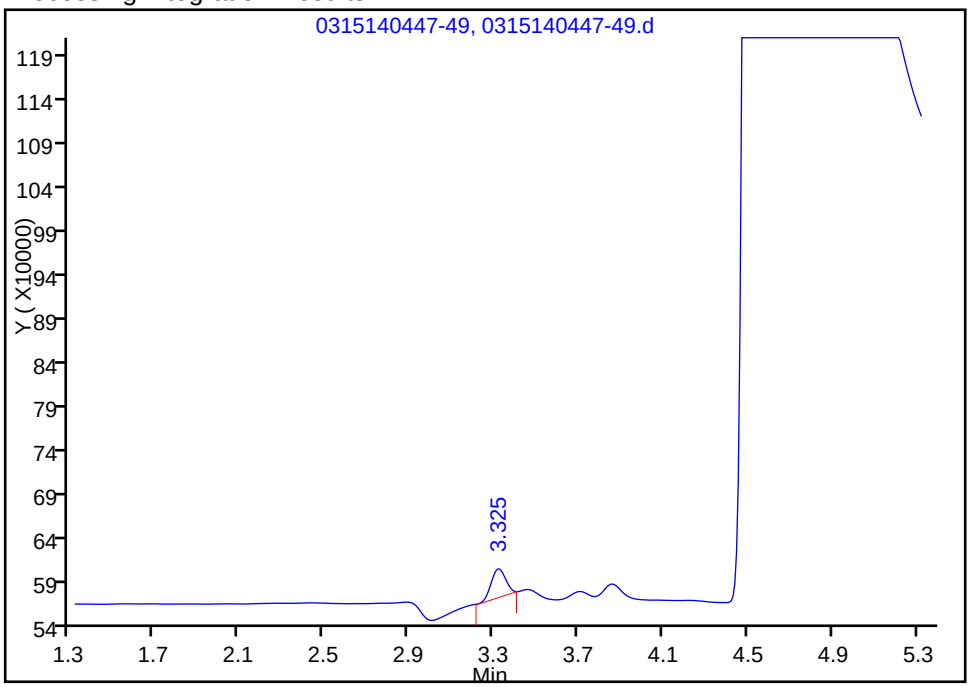
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140447-49.d				
Injection Date:	15-Mar-2014 04:47:00	Instrument ID:	CICK		
Lims ID:	680-99116-F-8	Lab Sample ID:	680-99116-8		
Client ID:	SMSMW07B				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	44
Injection Vol:	25.0 ul	Dil. Factor:	100.0000		
Method:	300.0_9056A_CICK	Limit Group:	Anions - 28D - ORGFRMS		
Column:	Dionex Ion Pac AS18 (4.00 mm)	Detector	0118131406-12		

1 Fluoride, CAS: 16984-48-8

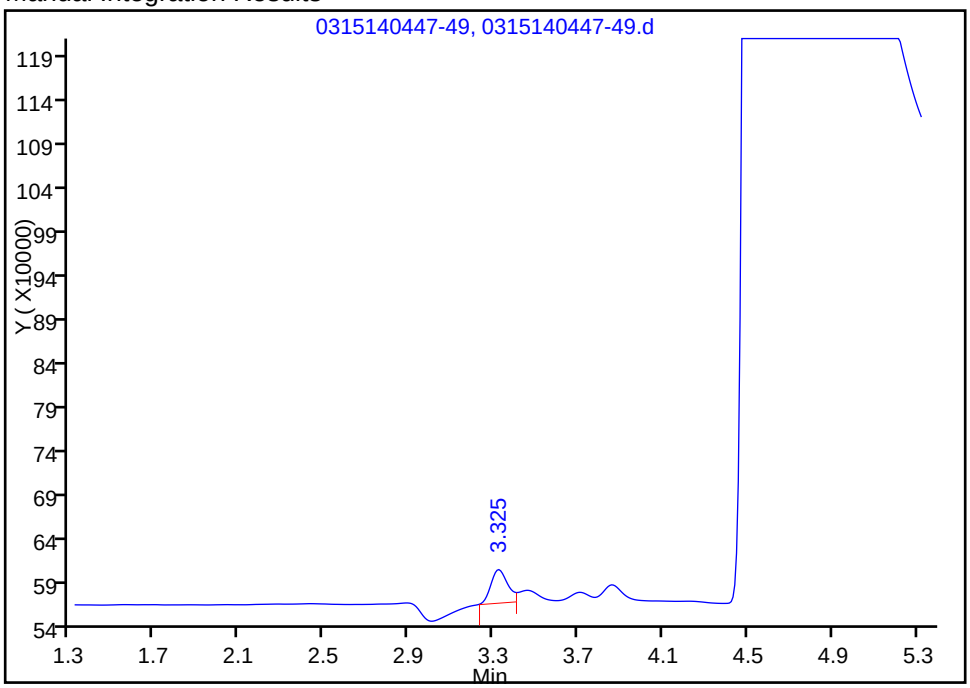
Processing Integration Results

RT: 3.33
Response: 155906
Amount: 0.020689



Manual Integration Results

RT: 3.33
Response: 210950
Amount: 0.022510



Reviewer: brazellc, 17-Mar-2014 07:57:02
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW07B Lab Sample ID: 680-99116-8

Matrix: Water Lab File ID: 0318141334-9.d

Analysis Method: 300.0 Date Collected: 03/04/2014 11:52

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/18/2014 13:34

Con. Extract Vol.: 1(mL) Dilution Factor: 2000

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 320146 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	40000		1000	500

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140318-7258.b\0318141334-9.d				
Lims ID:	680-99116-F-8	Lab Sample ID:	680-99116-8		
Client ID:	SMSMW07B				
Sample Type:	Client				
Inject. Date:	18-Mar-2014 13:34:00	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	25.0 ul	Dil. Factor:	2000.0000		
Sample Info:	680-99116-F-8 1K031814 1K082812A				
Misc. Info.:	9774				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140318-7258.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 14:40:10	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK052				
First Level Reviewer: brazellc		Date:	18-Mar-2014 14:01:19		

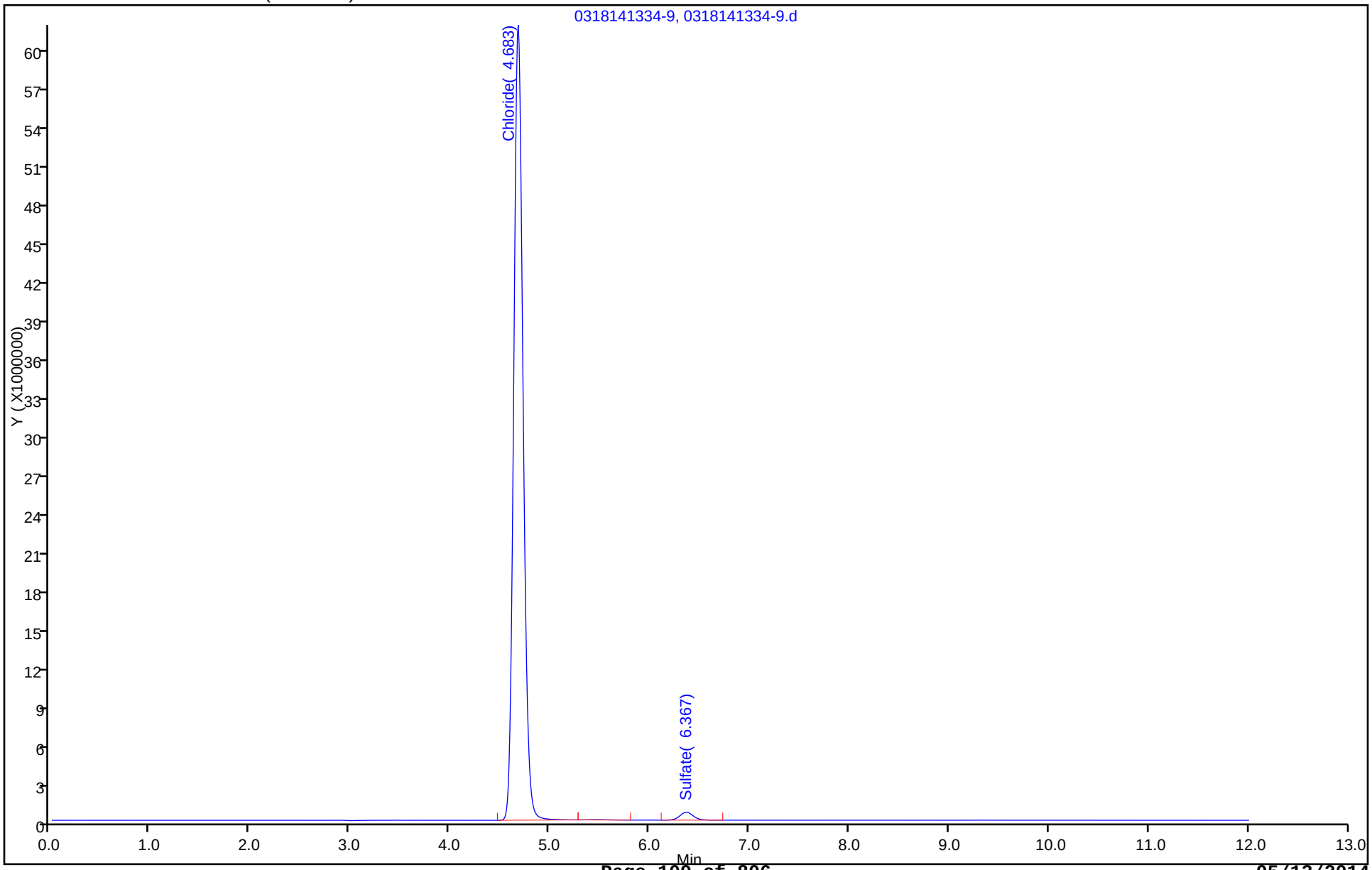
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
2 Chloride	4.683	4.675	0.008	397377094	20.1	
3 Sulfate	6.367	6.350	0.017	5677445	0.5564	

Report Date: 18-Mar-2014 14:40:12 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140318-7258.b\0318141334-9.d				
Injection Date:	18-Mar-2014 13:34:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99116-F-8	Lab Sample ID:	680-99116-8	Worklist Smp#:	5
Client ID:	SMSMW07B				
Injection Vol:	25.0 ul	Dil. Factor:	2000.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICK	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW10 Lab Sample ID: 680-99116-9

Matrix: Water Lab File ID: 0317141358-29.d

Analysis Method: 300.0 Date Collected: 03/04/2014 09:16

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/17/2014 13:58

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319868 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	8.5		0.50	0.25
16984-48-8	Fluoride	0.058	J	0.10	0.025
16887-00-6	Chloride	5.5		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141358-29.d				
Lims ID:	680-99116-F-9	Lab Sample ID:	680-99116-9		
Client ID:	SMSSW10				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 13:58:00	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99116-F-9 1L031714 connie				
Misc. Info.:	20715				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:45:31	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK021				

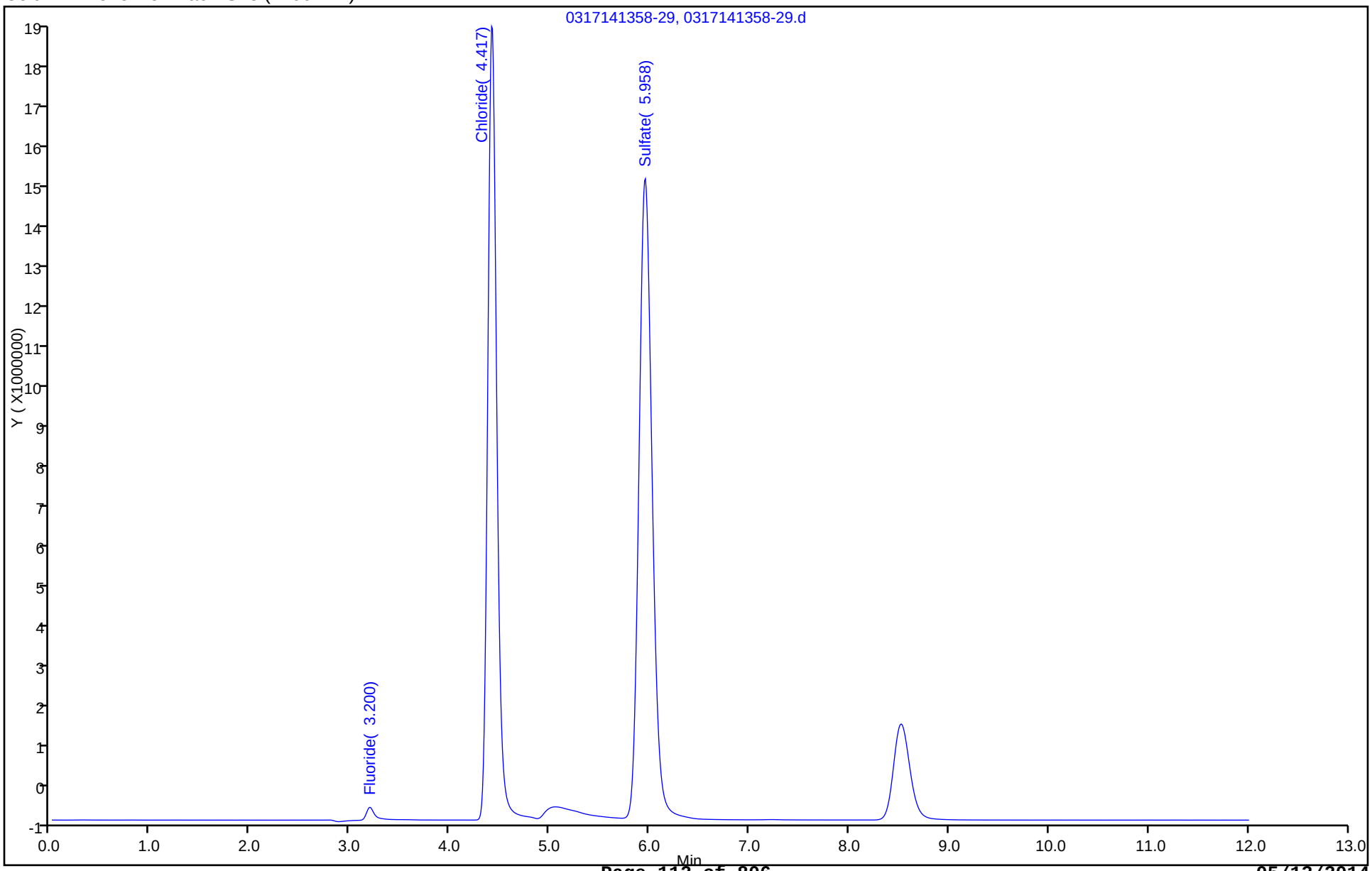
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.208	-0.008	1741918	0.0577	
2 Chloride	4.417	4.417	0.0	119854667	5.47	
3 Sulfate	5.958	5.958	0.0	140526304	8.47	

Report Date: 17-Mar-2014 15:45:35 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141358-29.d				
Injection Date:	17-Mar-2014 13:58:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99116-F-9	Lab Sample ID:	680-99116-9	Worklist Smp#:	26
Client ID:	SMSSW10				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID: SMSSW02
Lab Sample ID: 680-99116-10
Matrix: Water
Lab File ID: 0317141232-24.d
Analysis Method: 300.0
Date Collected: 03/04/2014 12:54
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/17/2014 12:32
Con. Extract Vol.: 1(mL)
Dilution Factor: 2
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319854
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	20		1.0	0.50

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317141232-24.d				
Lims ID:	680-99116-F-10	Lab Sample ID:	680-99116-10		
Client ID:	SMSSW02				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 12:32:00	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-99116-F-10~1K031714 1K082812A				
Misc. Info.:	20051				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:09:16	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.342	3.333	0.009	243861410	7.96	
2 Chloride	4.650	4.667	-0.017	1908138508	96.4	E
3 Sulfate	6.342	6.342	0.0	140992130	10.1	

QC Flag Legend

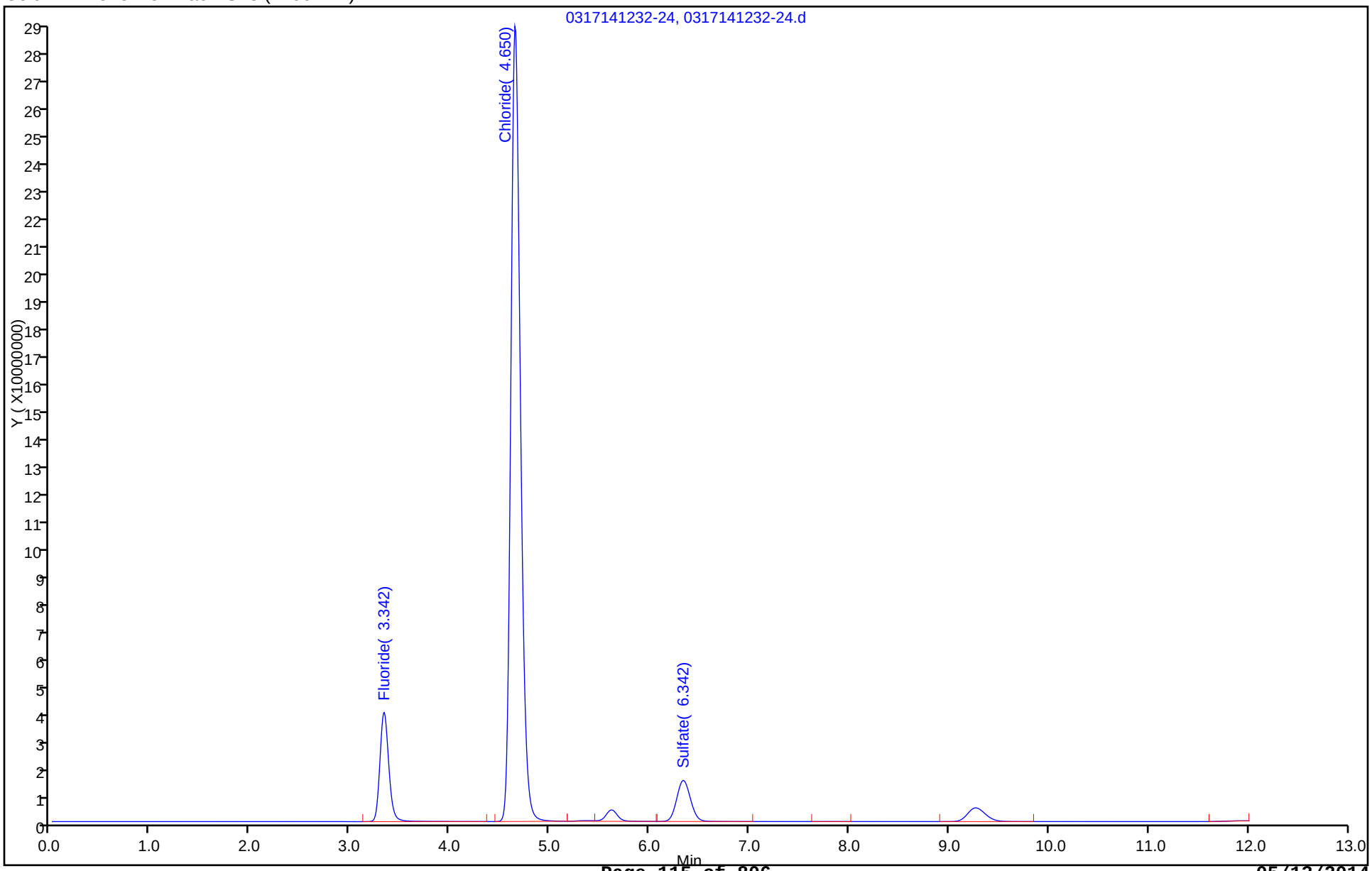
Processing Flags
E - Exceeded Maximum Amount

Report Date: 17-Mar-2014 15:09:16 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317141232-24.d				
Injection Date:	17-Mar-2014 12:32:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99116-F-10	Lab Sample ID:	680-99116-10	Worklist Smp#:	20
Client ID:	SMSSW02				
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICK	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW02 Lab Sample ID: 680-99116-10

Matrix: Water Lab File ID: 0317141525-35.d

Analysis Method: 300.0 Date Collected: 03/04/2014 12:54

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/17/2014 15:25

Con. Extract Vol.: 5(mL) Dilution Factor: 4

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 320074 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16984-48-8	Fluoride	16		0.40	0.10
16887-00-6	Chloride	200		2.0	1.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141525-35.d				
Lims ID:	680-99116-F-10	Lab Sample ID:	680-99116-10		
Client ID:	SMSSW02				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 15:25:00	ALS Bottle#:	0	Worklist Smp#:	32
Injection Vol:	25.0 ul	Dil. Factor:	4.0000		
Sample Info:	680-99116-F-10 2L031714 connie				
Misc. Info.:	20853				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:25	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

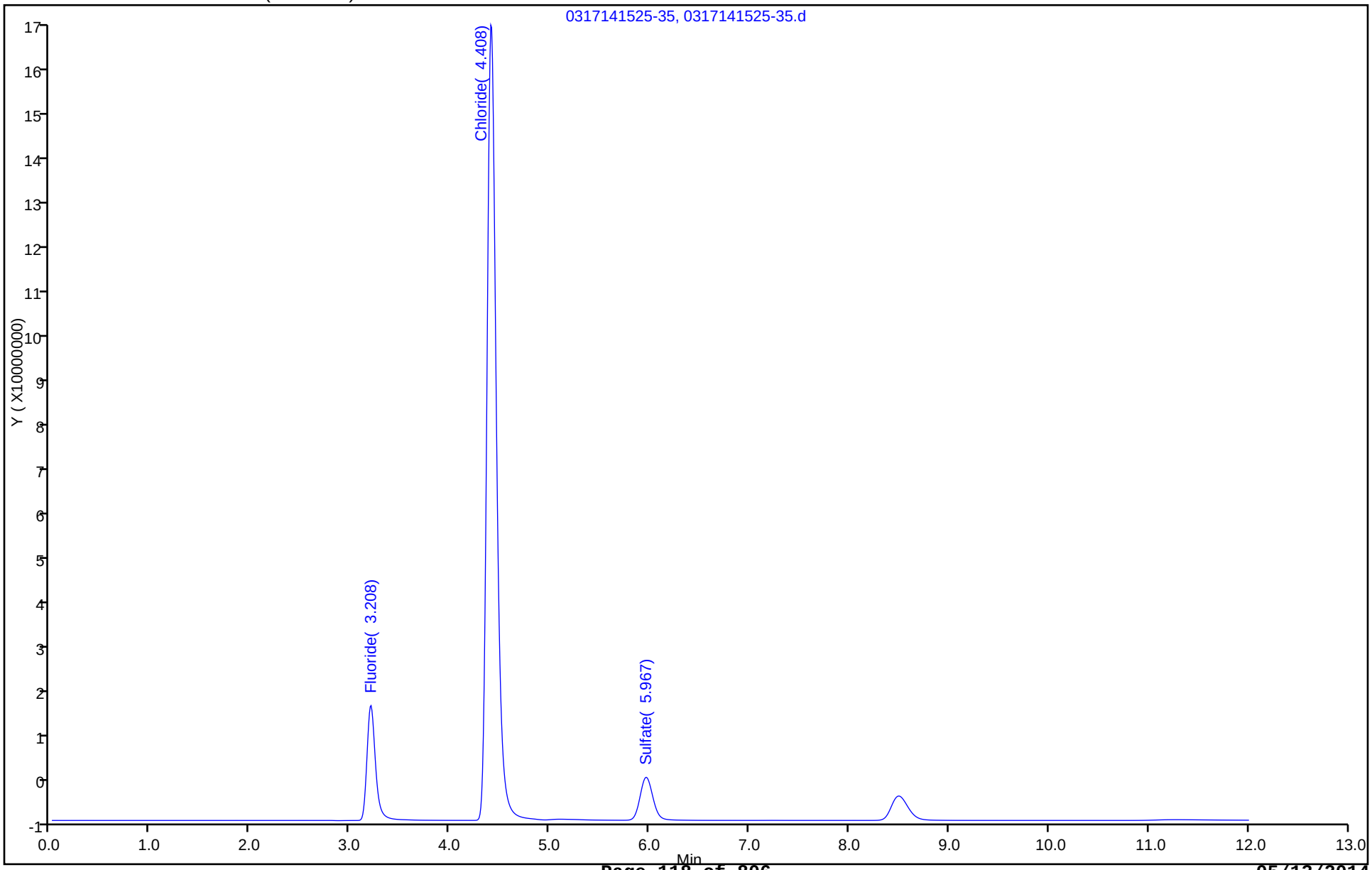
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.208	3.208	0.0	145685692	4.01	
2 Chloride	4.408	4.425	-0.017	1096515390	49.4	
3 Sulfate	5.967	5.958	0.009	80628882	4.87	

Report Date: 18-Mar-2014 09:36:28 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141525-35.d				
Injection Date:	17-Mar-2014 15:25:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99116-F-10	Lab Sample ID:	680-99116-10	Worklist Smp#:	32
Client ID:	SMSSW02				
Injection Vol:	25.0 ul	Dil. Factor:	4.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW08 Lab Sample ID: 680-99116-11

Matrix: Water Lab File ID: 0317141539-36.d

Analysis Method: 300.0 Date Collected: 03/04/2014 13:50

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/17/2014 15:39

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 320074 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	24		0.50	0.25
16984-48-8	Fluoride	0.86		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141539-36.d				
Lims ID:	680-99116-F-11	Lab Sample ID:	680-99116-11		
Client ID:	SMSSW08				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 15:39:00	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99116-F-11 2L031714 connie				
Misc. Info.:	4685				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:25	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.208	-0.008	30874082	0.8585	
2 Chloride	4.392	4.425	-0.033	3754525849	169.1	E
3 Sulfate	5.933	5.958	-0.025	404221425	24.3	

QC Flag Legend

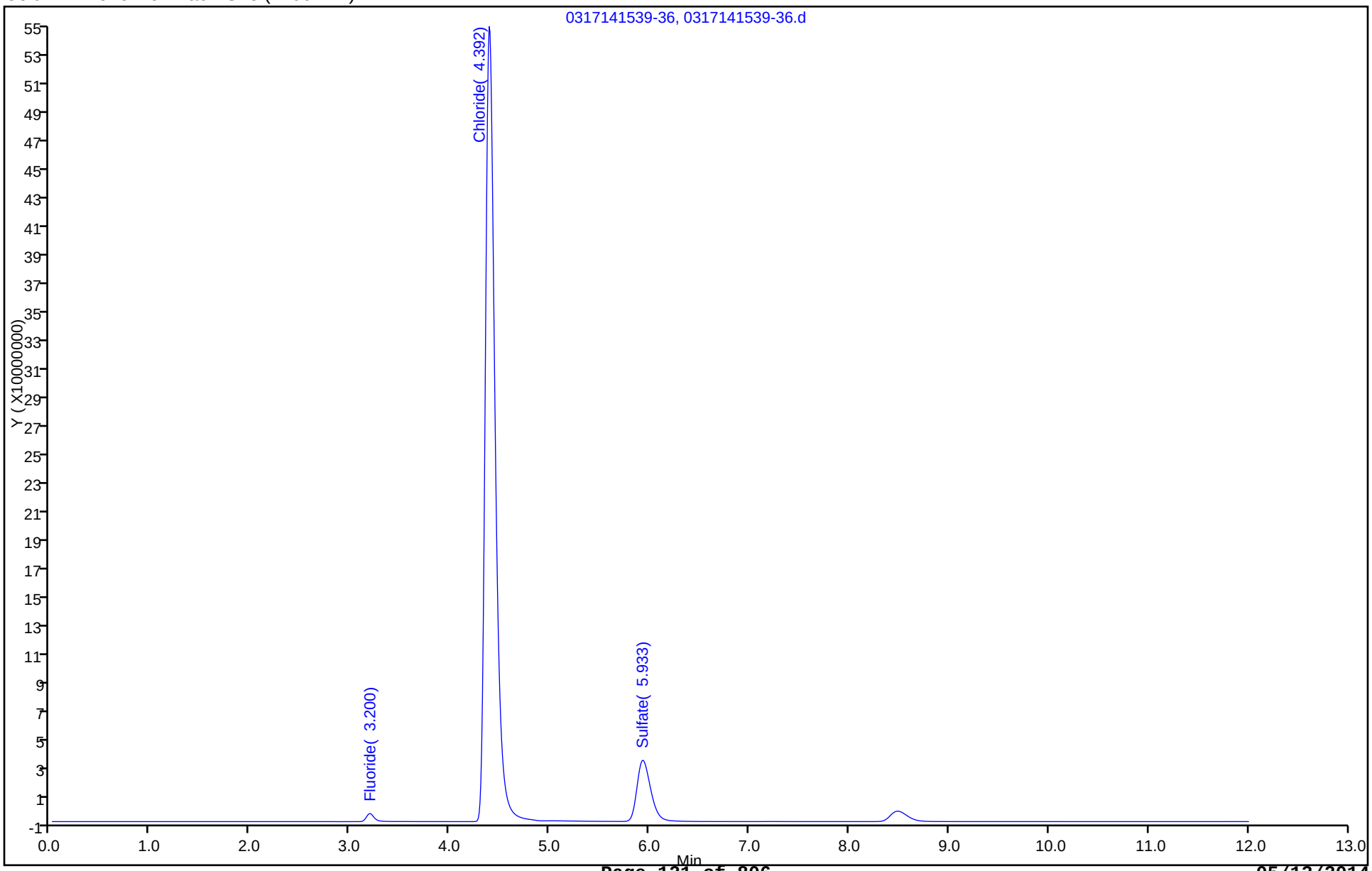
Processing Flags
E - Exceeded Maximum Amount

Report Date: 18-Mar-2014 09:36:28 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141539-36.d				
Injection Date:	17-Mar-2014 15:39:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99116-F-11	Lab Sample ID:	680-99116-11	Worklist Smp#:	33
Client ID:	SMSSW08				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW08 Lab Sample ID: 680-99116-11

Matrix: Water Lab File ID: 0317141554-37.d

Analysis Method: 300.0 Date Collected: 03/04/2014 13:50

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/17/2014 15:54

Con. Extract Vol.: 5(mL) Dilution Factor: 5

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 320074 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	170		2.5	1.3

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141554-37.d				
Lims ID:	680-99116-F-11	Lab Sample ID:	680-99116-11		
Client ID:	SMSSW08				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 15:54:00	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	25.0 ul	Dil. Factor:	5.0000		
Sample Info:	680-99116-F-11 2L031714 connie				
Misc. Info.:	31037				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:25	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

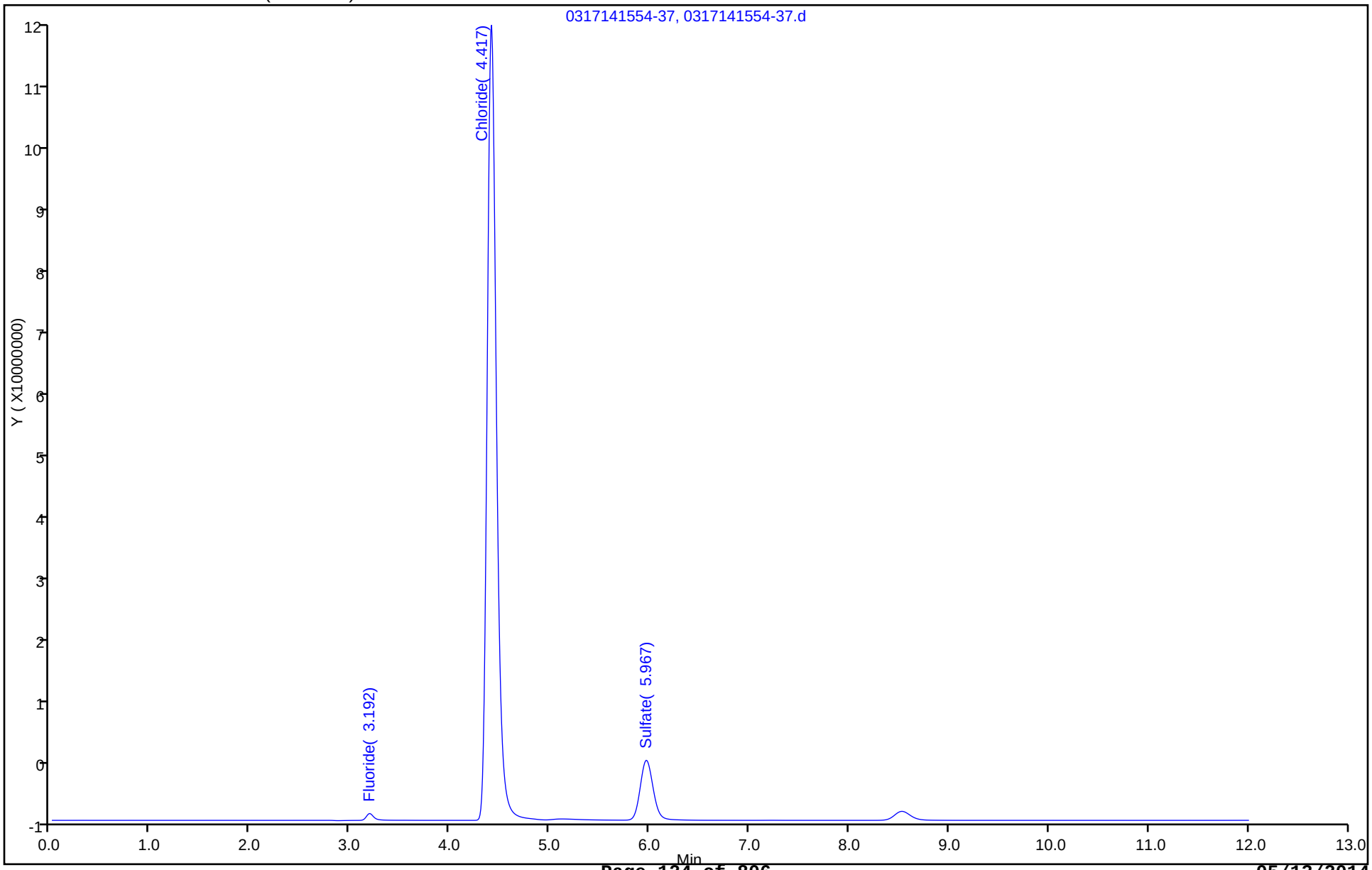
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.208	-0.016	5259191	0.1544	
2 Chloride	4.417	4.425	-0.008	753207378	34.0	
3 Sulfate	5.967	5.958	0.009	78485055	4.74	

Report Date: 18-Mar-2014 09:36:28 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141554-37.d				
Injection Date:	17-Mar-2014 15:54:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99116-F-11	Lab Sample ID:	680-99116-11	Worklist Smp#:	34
Client ID:	SMSSW08				
Injection Vol:	25.0 ul	Dil. Factor:	5.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW08 SPRING Lab Sample ID: 680-99116-12

Matrix: Water Lab File ID: 0317141608-38.d

Analysis Method: 300.0 Date Collected: 03/04/2014 13:38

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/17/2014 16:08

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 320074 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	38		0.50	0.25
16984-48-8	Fluoride	1.1		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141608-38.d				
Lims ID:	680-99116-F-12	Lab Sample ID:	680-99116-12		
Client ID:	SMSSW08 SPRING				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 16:08:00	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99116-F-12 2L031714 connie				
Misc. Info.:	29715				
Operator ID:		Instrument ID:	CICL		

Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m		
Limit Group:	Anions - 28D - ORGFRMS		
Last Update:	18-Mar-2014 09:36:25	Calib Date:	28-Feb-2014 06:22:00
Integrator:	Falcon		
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d		

Column 1 :	Dionex Ion Pac AS18 (4.00 mm)	Det: 0423131702-17
Process Host:	XAWRK001	

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.208	-0.016	40762738	1.13	
2 Chloride	4.375	4.425	-0.050	8871131425	399.4	E
3 Sulfate	5.908	5.958	-0.050	631817809	38.0	

QC Flag Legend

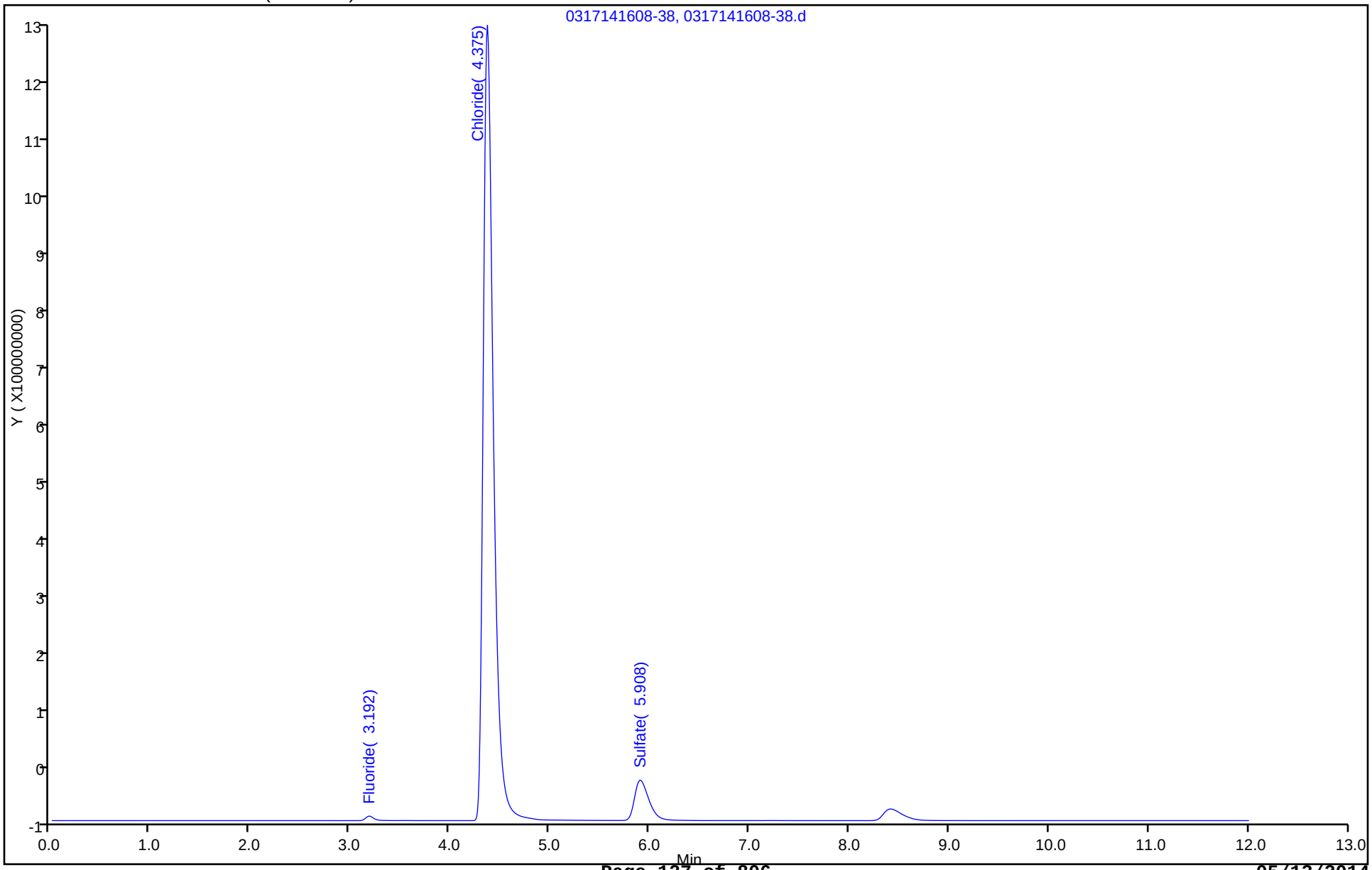
Processing Flags
E - Exceeded Maximum Amount

Report Date: 18-Mar-2014 09:36:29 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141608-38.d				
Injection Date:	17-Mar-2014 16:08:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99116-F-12	Lab Sample ID:	680-99116-12	Worklist Smp#:	35
Client ID:	SMSSW08 SPRING				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW08 SPRING Lab Sample ID: 680-99116-12

Matrix: Water Lab File ID: 0317141622-39.d

Analysis Method: 300.0 Date Collected: 03/04/2014 13:38

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/17/2014 16:22

Con. Extract Vol.: 5(mL) Dilution Factor: 10

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 320074 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	410		5.0	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141622-39.d				
Lims ID:	680-99116-F-12	Lab Sample ID:	680-99116-12		
Client ID:	SMSSW08 SPRING				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 16:22:00	ALS Bottle#:	0	Worklist Smp#:	36
Injection Vol:	25.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-99116-F-12 2L031714 connie				
Misc. Info.:	5258				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:25	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

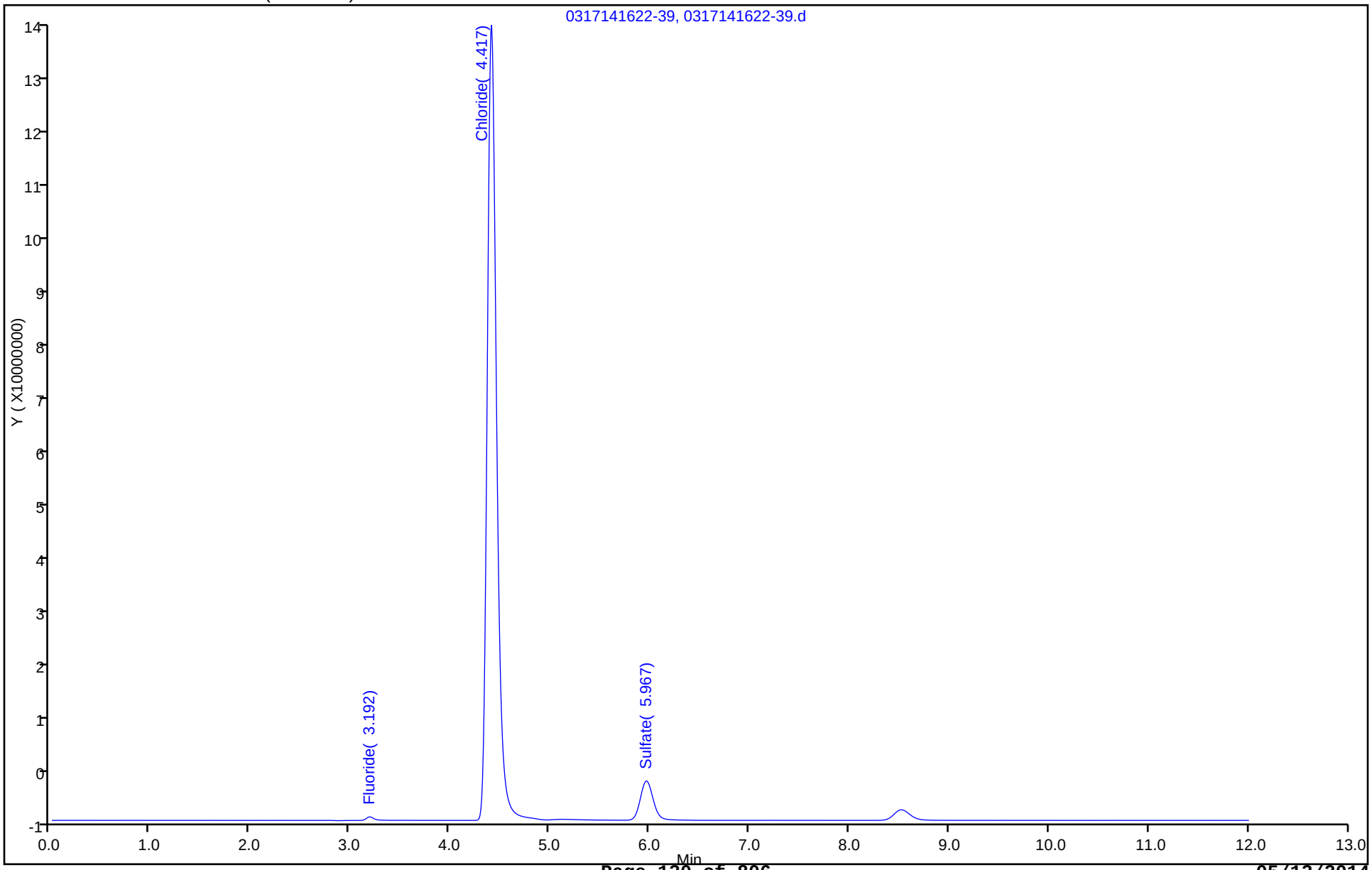
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.208	-0.016	3362961	0.1023	
2 Chloride	4.417	4.425	-0.008	915743434	41.3	
3 Sulfate	5.967	5.958	0.009	61815493	3.73	

Report Date: 18-Mar-2014 09:36:29 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141622-39.d				
Injection Date:	17-Mar-2014 16:22:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99116-F-12	Lab Sample ID:	680-99116-12	Worklist Smp#:	36
Client ID:	SMSSW08 SPRING				
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW04 Lab Sample ID: 680-99116-13

Matrix: Water Lab File ID: 0317141706-42.d

Analysis Method: 300.0 Date Collected: 03/04/2014 14:40

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/17/2014 17:06

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 320074 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	28		0.50	0.25
16984-48-8	Fluoride	1.6		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141706-42.d				
Lims ID:	680-99116-F-13	Lab Sample ID:	680-99116-13		
Client ID:	SMSSW04				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 17:06:00	ALS Bottle#:	0	Worklist Smp#:	39
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99116-F-13 2L031714 connie				
Misc. Info.:	27235				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:25	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.208	-0.008	57743896	1.60	
2 Chloride	4.392	4.425	-0.033	3628255558	163.4	E
3 Sulfate	5.925	5.958	-0.033	469632720	28.3	

QC Flag Legend

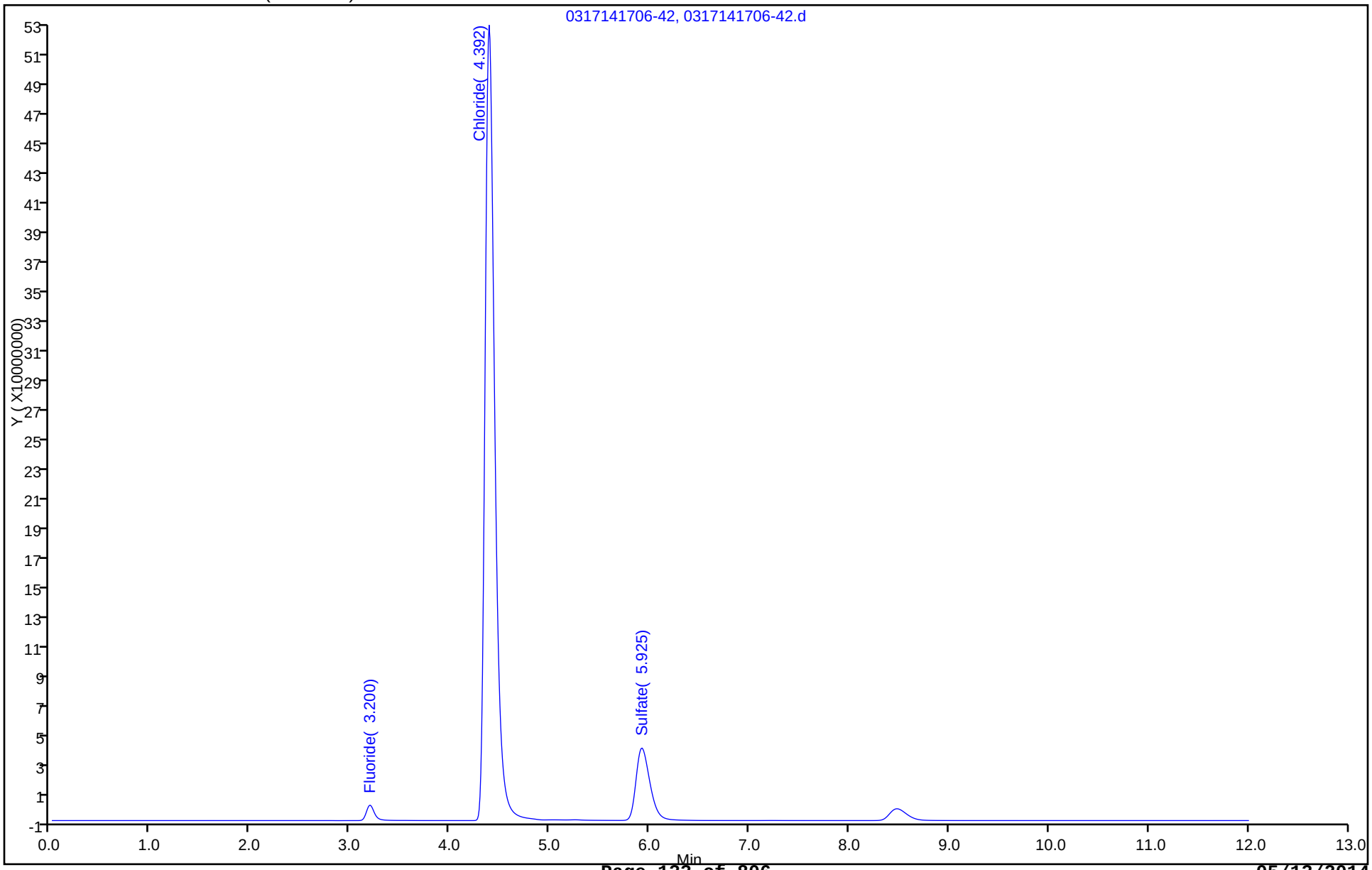
Processing Flags
E - Exceeded Maximum Amount

Report Date: 18-Mar-2014 09:36:30 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141706-42.d				
Injection Date:	17-Mar-2014 17:06:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99116-F-13	Lab Sample ID:	680-99116-13	Worklist Smp#:	39
Client ID:	SMSSW04				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW04 Lab Sample ID: 680-99116-13

Matrix: Water Lab File ID: 0317141720-43.d

Analysis Method: 300.0 Date Collected: 03/04/2014 14:40

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/17/2014 17:20

Con. Extract Vol.: 5(mL) Dilution Factor: 10

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 320074 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	170		5.0	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141720-43.d				
Lims ID:	680-99116-F-13	Lab Sample ID:	680-99116-13		
Client ID:	SMSSW04				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 17:20:00	ALS Bottle#:	0	Worklist Smp#:	40
Injection Vol:	25.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-99116-F-13 2L031714 connie				
Misc. Info.:	16462				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:25	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

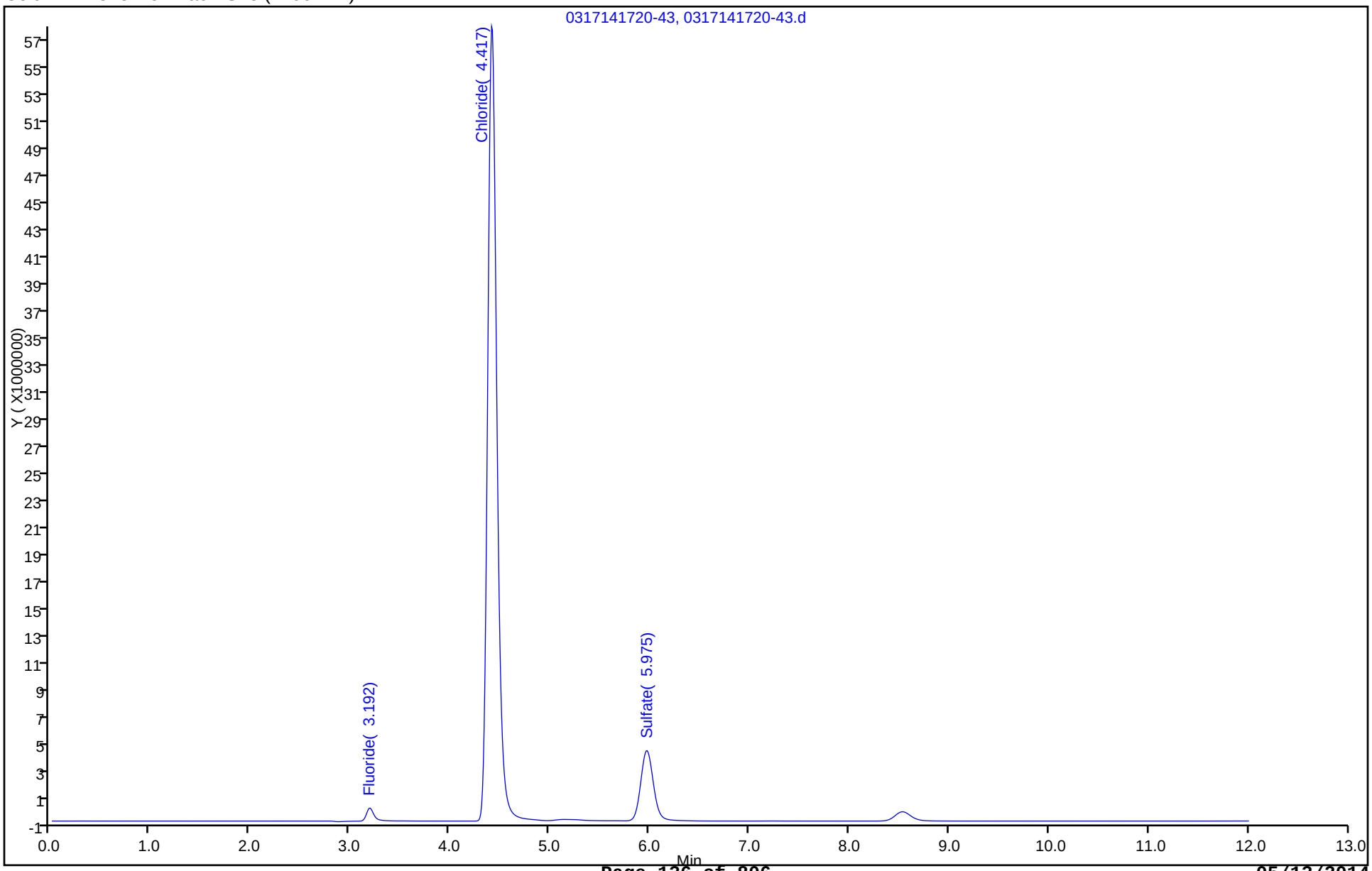
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.208	-0.016	4998130	0.1472	
2 Chloride	4.417	4.425	-0.008	369666255	16.7	
3 Sulfate	5.975	5.958	0.017	44776780	2.71	

Report Date: 18-Mar-2014 09:36:30 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141720-43.d				
Injection Date:	17-Mar-2014 17:20:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99116-F-13	Lab Sample ID:	680-99116-13	Worklist Smp#:	40
Client ID:	SMSSW04				
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW12 Lab Sample ID: 680-99116-14

Matrix: Water Lab File ID: 0317141803-46.d

Analysis Method: 300.0 Date Collected: 03/04/2014 15:30

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/17/2014 18:03

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 320074 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	23		0.50	0.25
16984-48-8	Fluoride	1.4		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141803-46.d				
Lims ID:	680-99116-F-14	Lab Sample ID:	680-99116-14		
Client ID:	SMSSW12				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 18:03:00	ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99116-F-14 2L031714 connie				
Misc. Info.:	27484				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:30	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.200	-0.008	49199671	1.36	
2 Chloride	4.392	4.425	-0.033	3207027867	144.4	E
3 Sulfate	5.933	5.958	-0.025	380970114	22.9	

QC Flag Legend

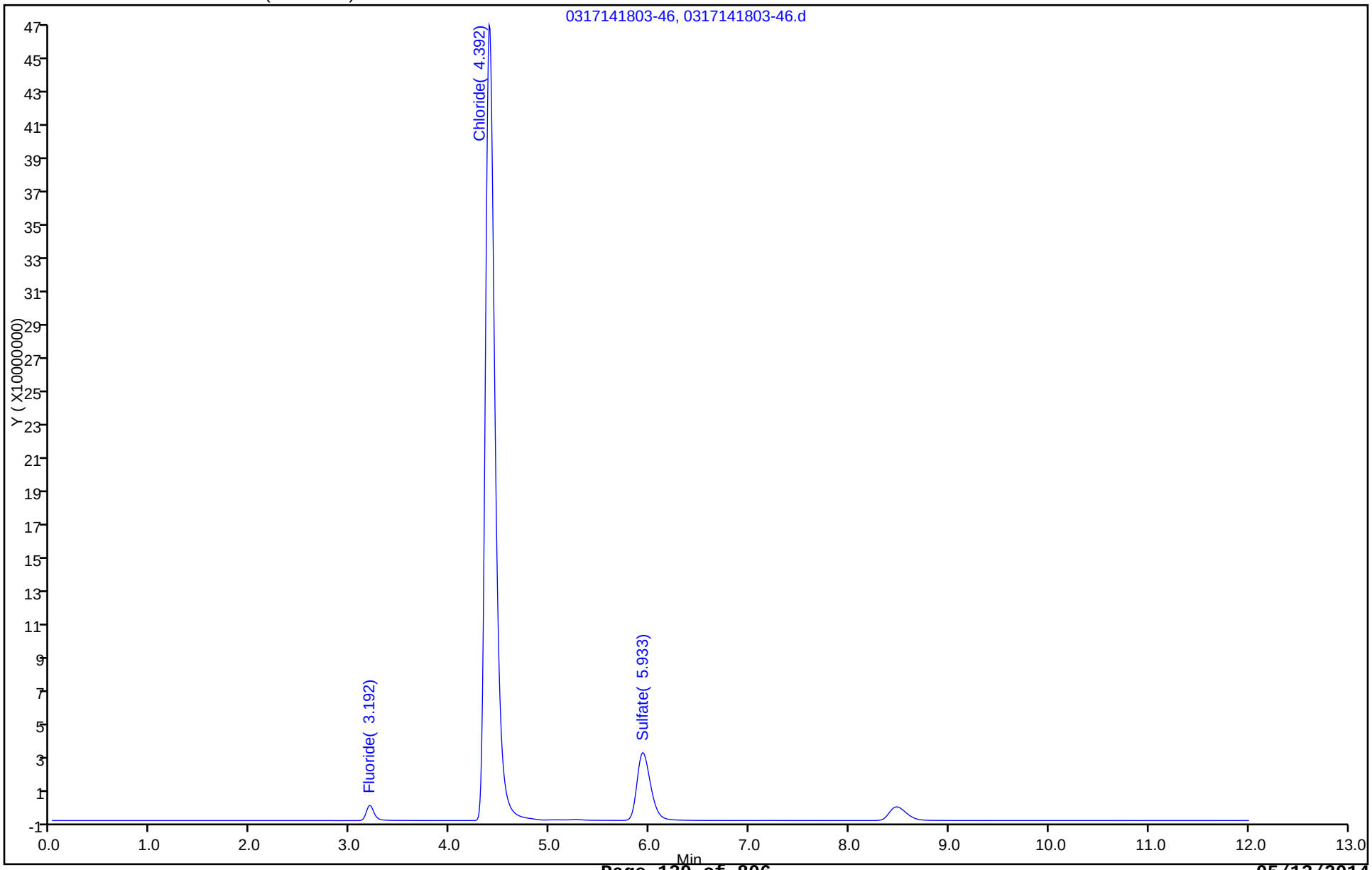
Processing Flags
E - Exceeded Maximum Amount

Report Date: 18-Mar-2014 09:36:31 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141803-46.d				
Injection Date:	17-Mar-2014 18:03:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99116-F-14	Lab Sample ID:	680-99116-14	Worklist Smp#:	43
Client ID:	SMSSW12				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW12 Lab Sample ID: 680-99116-14

Matrix: Water Lab File ID: 0317141818-47.d

Analysis Method: 300.0 Date Collected: 03/04/2014 15:30

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/17/2014 18:18

Con. Extract Vol.: 5(mL) Dilution Factor: 5

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 320074 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	150		2.5	1.3

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141818-47.d				
Lims ID:	680-99116-F-14	Lab Sample ID:	680-99116-14		
Client ID:	SMSSW12				
Sample Type:	Client				
Inject. Date:	17-Mar-2014 18:18:00	ALS Bottle#:	0	Worklist Smp#:	44
Injection Vol:	25.0 ul	Dil. Factor:	5.0000		
Sample Info:	680-99116-F-14 2L031714 connie				
Misc. Info.:	26556				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:30	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

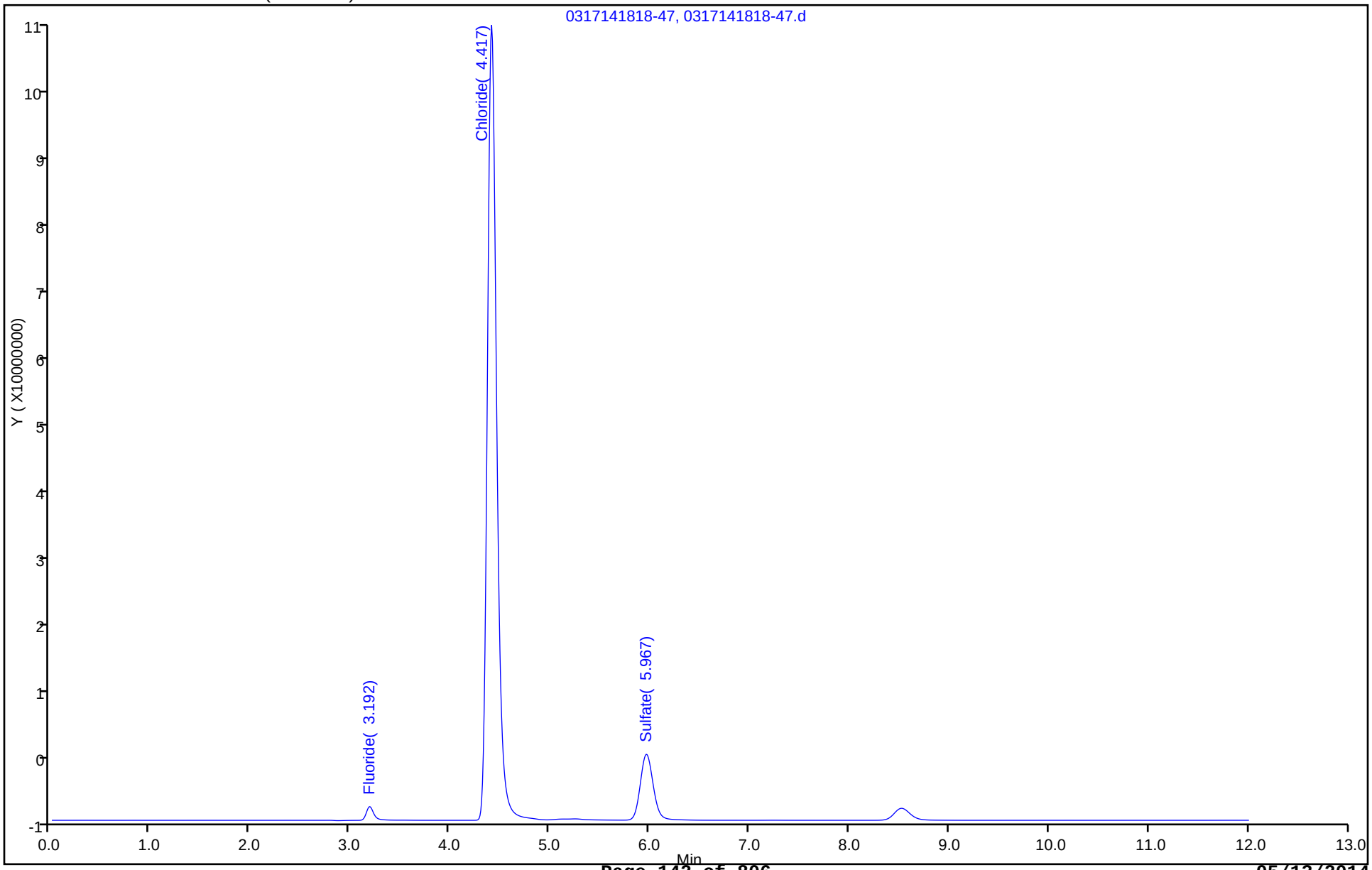
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.200	-0.008	9049229	0.2586	
2 Chloride	4.417	4.425	-0.008	655342842	29.6	
3 Sulfate	5.967	5.958	0.009	74983186	4.53	

Report Date: 18-Mar-2014 09:36:31 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141818-47.d				
Injection Date:	17-Mar-2014 18:18:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99116-F-14	Lab Sample ID:	680-99116-14	Worklist Smp#:	44
Client ID:	SMSSW12				
Injection Vol:	25.0 ul	Dil. Factor:	5.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1 Analy Batch No.: 319822

SDG No.: 68099116-1

Instrument ID: CICK GC Column: Dionex AS18 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 17:48 Calibration End Date: 03/14/2014 19:20 Calibration ID: 27245

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-319822/1	0314141748-6.d
Level 2	IC 680-319822/2	0314141803-7.d
Level 3	IC 680-319822/3	0314141819-8.d
Level 4	IC 680-319822/4	0314141834-9.d
Level 5	IC 680-319822/5	0314141849-10.d
Level 6	IC 680-319822/6	0314141905-11.d
Level 7	IC 680-319822/7	0314141920-12.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Fluoride	3.325	3.317	3.325	3.325	3.325	3.333	3.333				3.083 - 3.583	3.326
Chloride	4.667	4.667	4.667	4.667	4.667	4.667	4.658				4.425 - 4.925	4.666
Sulfate	6.350	6.358	6.350	6.350	6.350	6.325	6.292				6.100 - 6.600	6.339
Bromide	7.808	7.808	7.808	7.808	7.800	7.758	+++++				7.567 - 8.067	7.798

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-99116-1 Analy Batch No.: 319822

SDG No.: 68099116-1

Instrument ID: CICK GC Column: Dionex AS18 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 17:48 Calibration End Date: 03/14/2014 19:20 Calibration ID: 27245

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-319822/1	0314141748-6.d
Level 2	IC 680-319822/2	0314141803-7.d
Level 3	IC 680-319822/3	0314141819-8.d
Level 4	IC 680-319822/4	0314141834-9.d
Level 5	IC 680-319822/5	0314141849-10.d
Level 6	IC 680-319822/6	0314141905-11.d
Level 7	IC 680-319822/7	0314141920-12.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
Fluoride	25792970 30735499	26546445 31361893	29165646 29461183	28878074	Lin1	-469191.45	30214497.9							0.9990		0.9900
Chloride	15720422 19028291	17121098 19808846	18793182 19717954	18688287	Lin1	-2361981.4	19784477.7							1.0000		0.9900
Sulfate	10231008 13522919	11279581 14369025	12726622 14511433	12873777	Lin2	-2119545.8	14020130.8							0.9980		0.9900
Bromide	5953190 7778185	6356816 8484833	7191989 +++++	7217222	Lin1	-1853385.1	8414740.94							0.9980		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-99116-1 Analy Batch No.: 319822

SDG No.: 68099116-1

Instrument ID: CICK GC Column: Dionex AS18 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 17:48 Calibration End Date: 03/14/2014 19:20 Calibration ID: 27245

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-319822/1	0314141748-6.d
Level 2	IC 680-319822/2	0314141803-7.d
Level 3	IC 680-319822/3	0314141819-8.d
Level 4	IC 680-319822/4	0314141834-9.d
Level 5	IC 680-319822/5	0314141849-10.d
Level 6	IC 680-319822/6	0314141905-11.d
Level 7	IC 680-319822/7	0314141920-12.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Fluoride	Lin1	2579297 125447570	5309289 235689465	14582823	14439037	30735499	0.100 4.00	0.200 8.00	0.500	0.500	1.00
Chloride	Lin1	7860211 396176916	17121098 985897710	46982955	46720717	95141453	0.500 20.0	1.00 50.0	2.50	2.50	5.00
Sulfate	Lin2	5115504 287380509	11279581 725571630	31816554	32184442	67614593	0.500 20.0	1.00 50.0	2.50	2.50	5.00
Bromide	Lin1	2976595 169696663	6356816 +++++	17979973	18043056	38890926	0.500 20.0	1.00 +++++	2.50	2.50	5.00

Curve Type Legend:

Lin1 = Linear 1/conc
Lin2 = Linear 1/conc^2

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141748-6.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	1		
Inject. Date:	14-Mar-2014 17:48:00	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-1 1K031414 1K082812A				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:18	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				
First Level Reviewer: brazellc		Date:	16-Mar-2014 08:58:32		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.333	-0.008	2579297	0.1009	
2 Chloride	4.667	4.675	-0.008	7860211	0.5167	
3 Sulfate	6.350	6.350	0.0	5115504	0.5160	
4 Bromide	7.808	7.817	-0.009	2976595	0.5740	

Report Date: 17-Mar-2014 07:59:18 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141748-6.d

Injection Date: 14-Mar-2014 17:48:00 Instrument ID: CICK Operator ID:

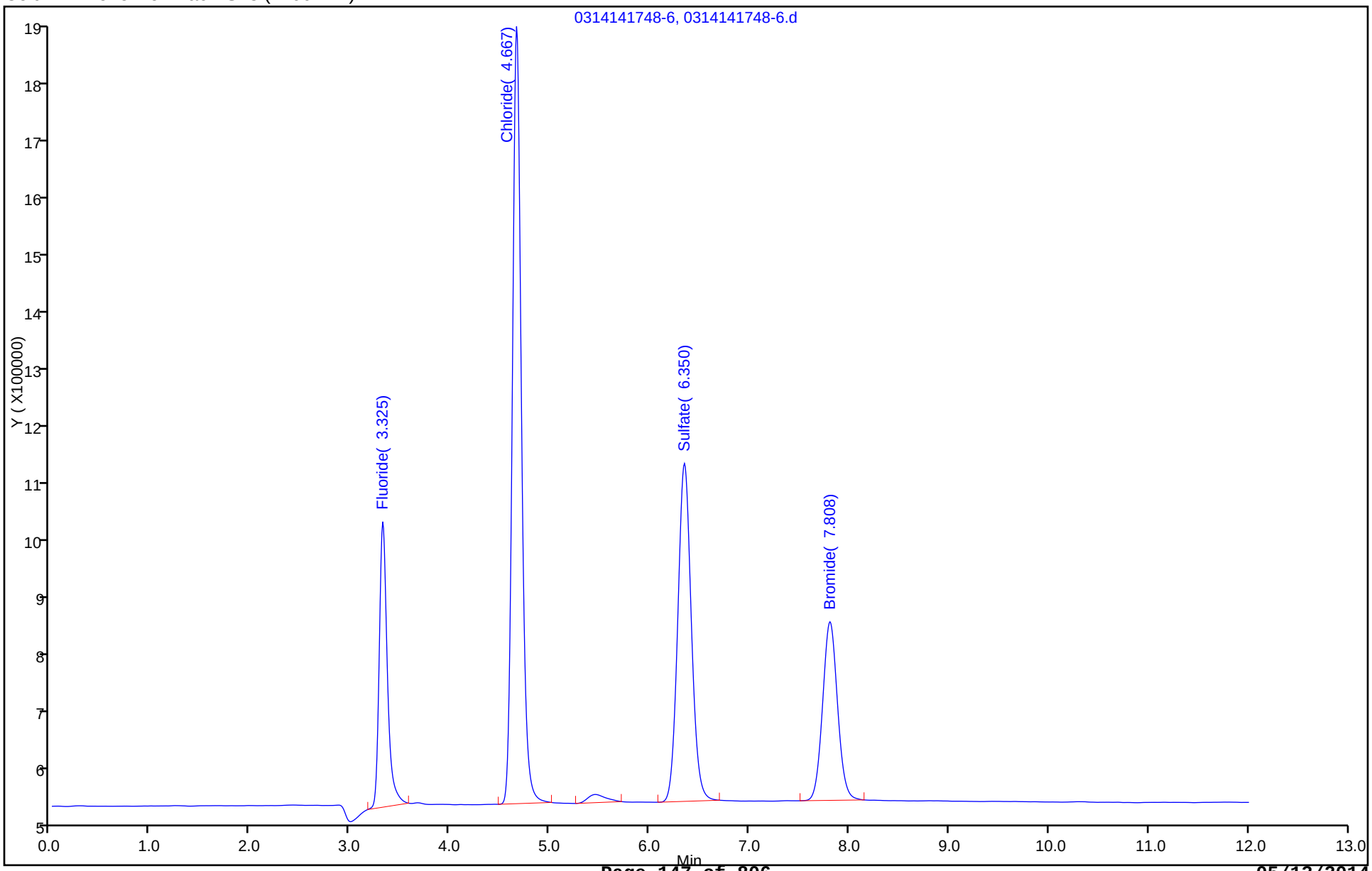
Lims ID: IC Worklist Smp#: 1

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141803-7.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	2		
Inject. Date:	14-Mar-2014 18:03:00	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-2 1K031414 1K082812A				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:18	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.317	3.333	-0.016	5309289	0.1912	
2 Chloride	4.667	4.675	-0.008	17121098	0.9848	
3 Sulfate	6.358	6.350	0.008	11279581	0.9557	
4 Bromide	7.808	7.817	-0.009	6356816	0.9757	

Report Date: 17-Mar-2014 07:59:18 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141803-7.d

Injection Date: 14-Mar-2014 18:03:00 Instrument ID: CICK Operator ID:

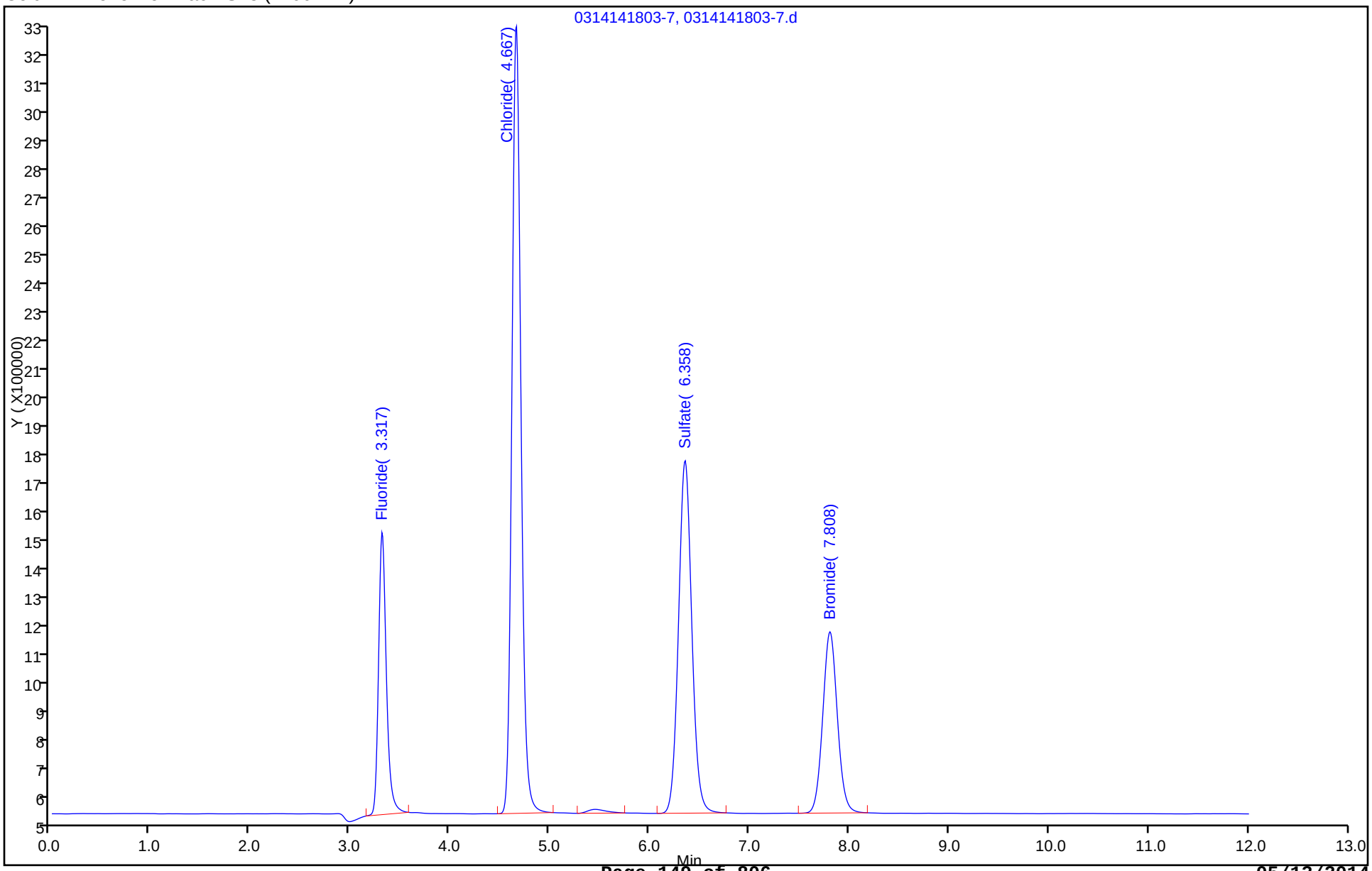
Lims ID: IC Worklist Smp#: 2

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141819-8.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	3		
Inject. Date:	14-Mar-2014 18:19:00	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-3 1K031414 1K082812A				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:19	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.333	-0.008	14582823	0.4982	
2 Chloride	4.667	4.675	-0.008	46982955	2.49	
3 Sulfate	6.350	6.350	0.0	31816554	2.42	
4 Bromide	7.808	7.817	-0.009	17979973	2.36	

Report Date: 17-Mar-2014 07:59:19 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141819-8.d

Injection Date: 14-Mar-2014 18:19:00 Instrument ID: CICK Operator ID:

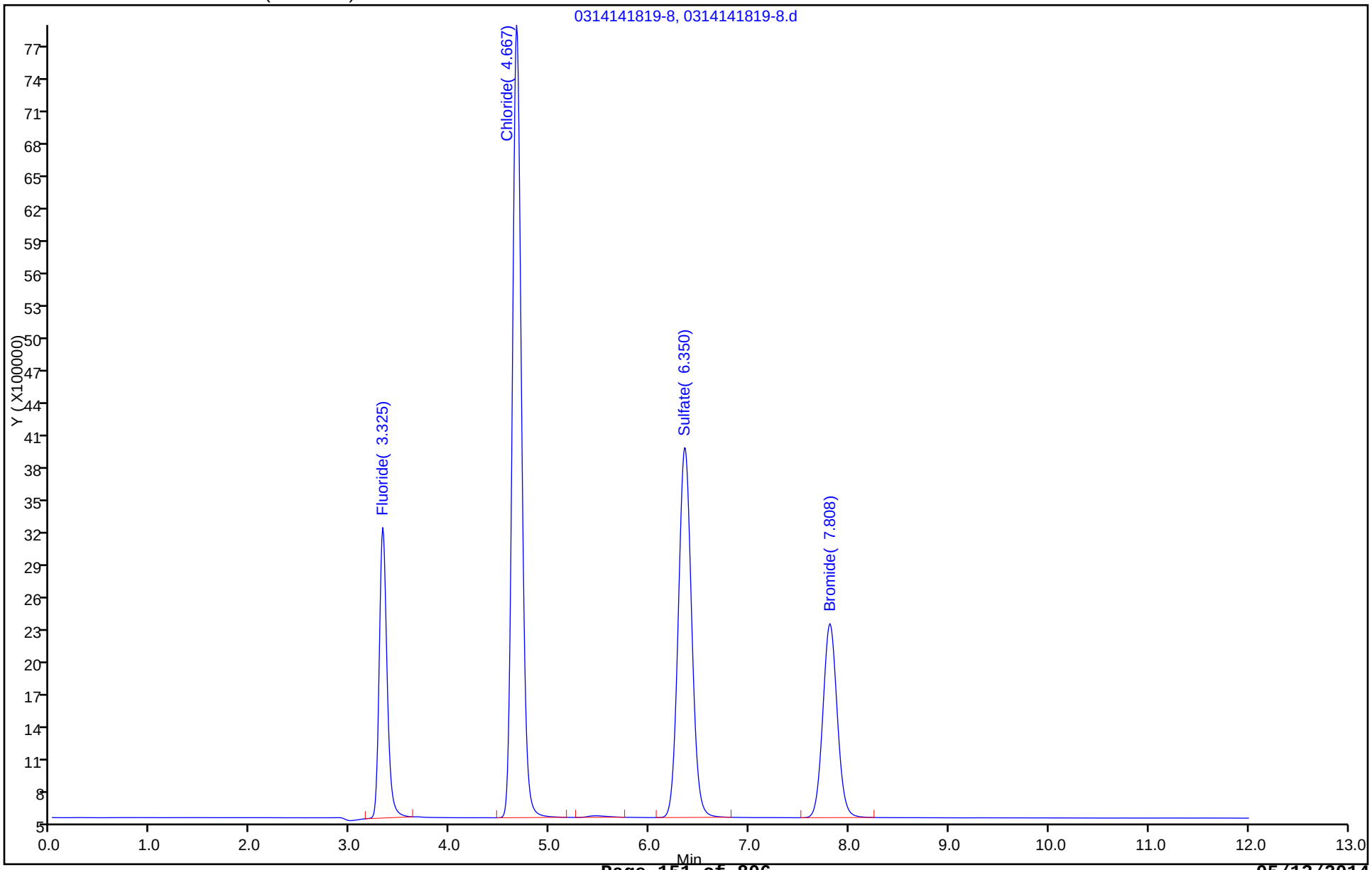
Lims ID: IC Worklist Smp#: 3

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141834-9.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	4		
Inject. Date:	14-Mar-2014 18:34:00	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-4 1K031414 1K082812A				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:19	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.325	0.0	14439037	0.4934	
2 Chloride	4.667	4.667	0.0	46720717	2.48	
3 Sulfate	6.350	6.350	0.0	32184442	2.45	
4 Bromide	7.808	7.808	0.0	18043056	2.36	

Report Date: 17-Mar-2014 07:59:19 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141834-9.d

Injection Date: 14-Mar-2014 18:34:00 Instrument ID: CICK Operator ID:

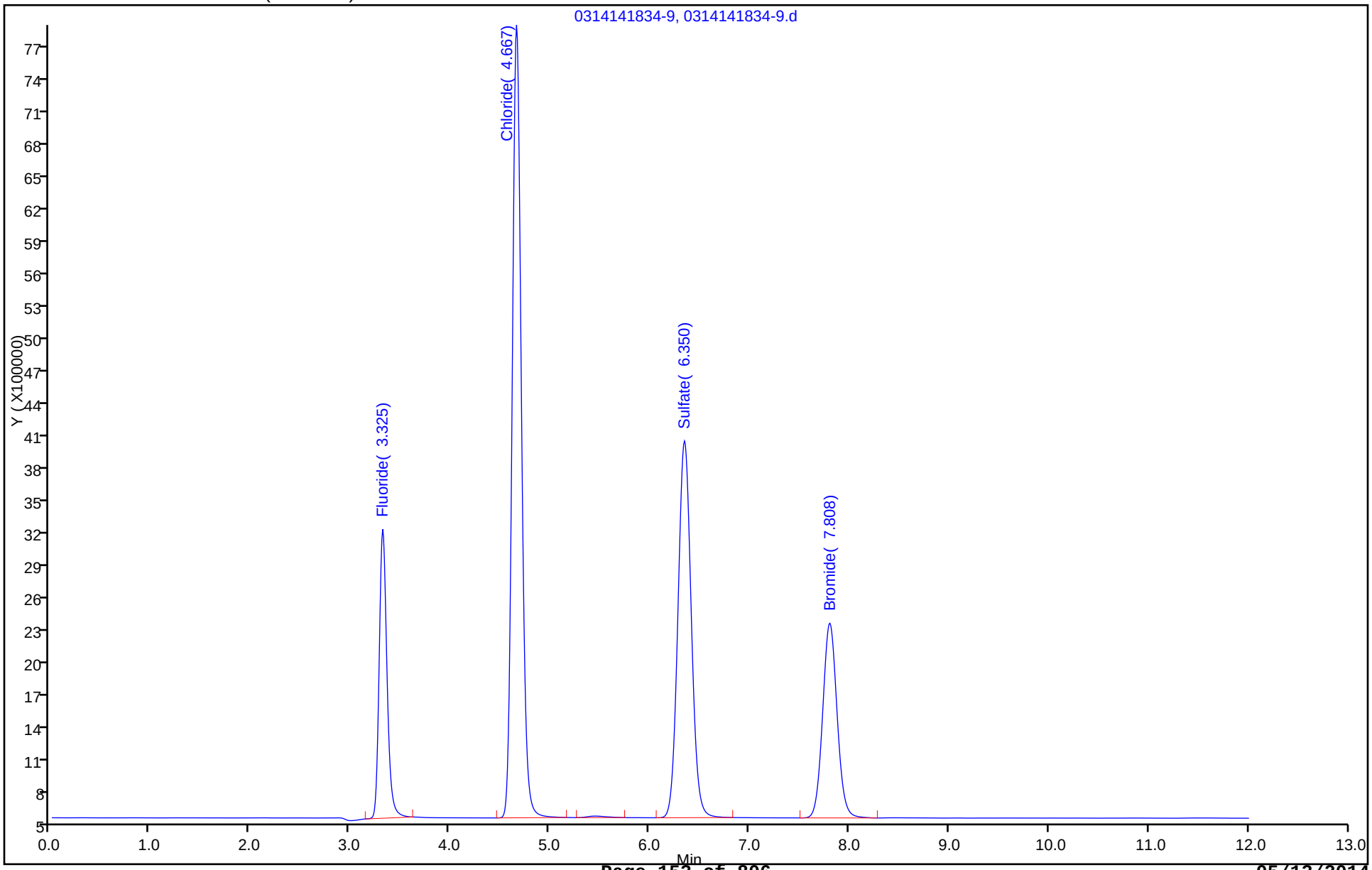
Lims ID: IC Worklist Smp#: 4

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141849-10.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	5		
Inject. Date:	14-Mar-2014 18:49:00	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-5 1K031414 1K082812A				
Misc. Info.:	10				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:20	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.325	0.0	30735499	1.03	
2 Chloride	4.667	4.667	0.0	95141453	4.93	
3 Sulfate	6.350	6.350	0.0	67614593	4.97	
4 Bromide	7.800	7.808	-0.008	38890926	4.84	

Report Date: 17-Mar-2014 07:59:20 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141849-10.d

Injection Date: 14-Mar-2014 18:49:00 Instrument ID: CICK Operator ID:

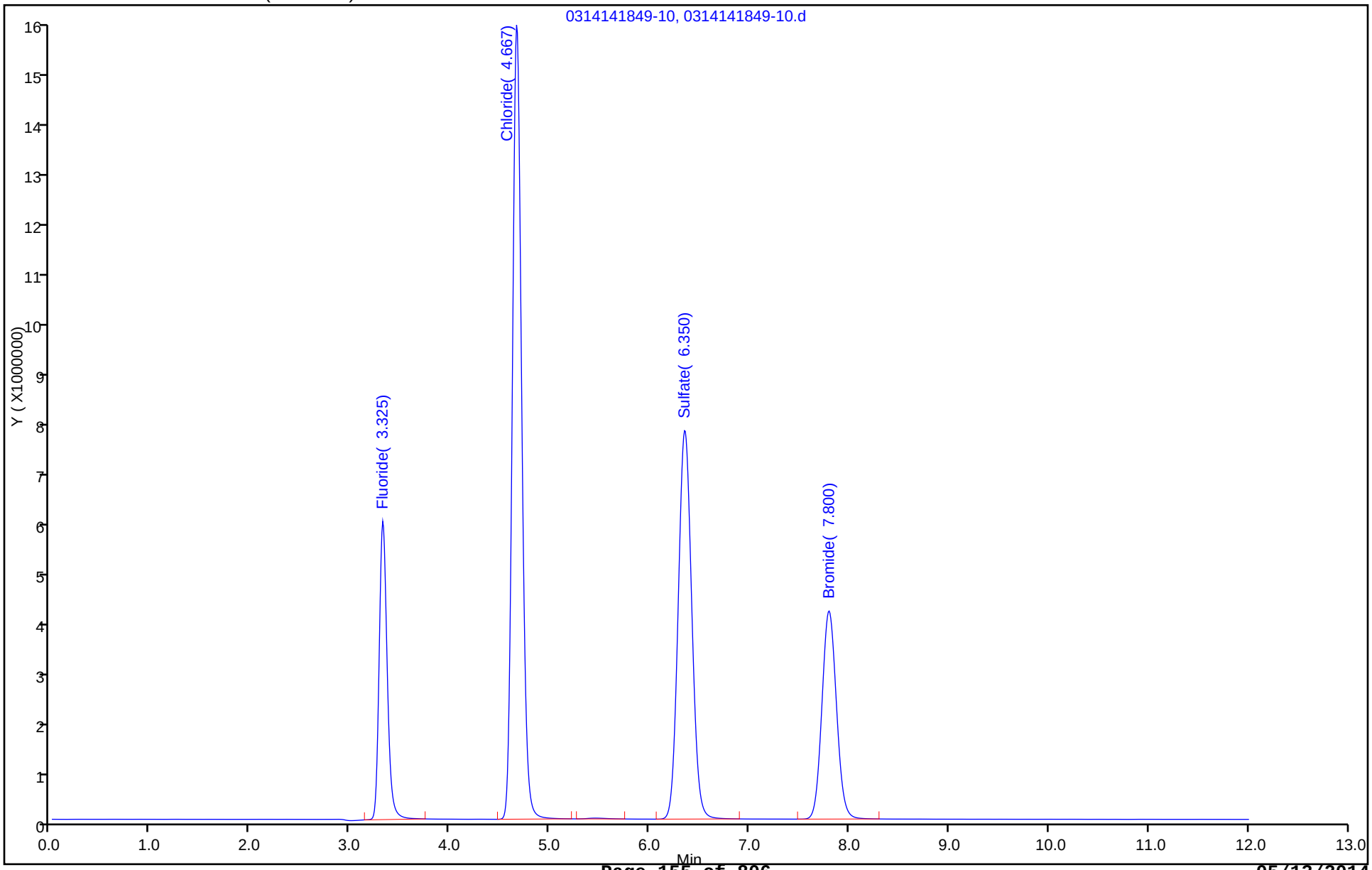
Lims ID: IC Worklist Smp#: 5

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141905-11.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	6		
Inject. Date:	14-Mar-2014 19:05:00	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-6 1K031414 1K082812A				
Misc. Info.:	11				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:20	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.325	0.008	125447570	4.17	
2 Chloride	4.667	4.667	0.0	396176916	20.1	
3 Sulfate	6.325	6.350	-0.025	287380509	20.6	
4 Bromide	7.758	7.808	-0.050	169696663	20.4	

Report Date: 17-Mar-2014 07:59:20 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141905-11.d

Injection Date: 14-Mar-2014 19:05:00 Instrument ID: CICK Operator ID:

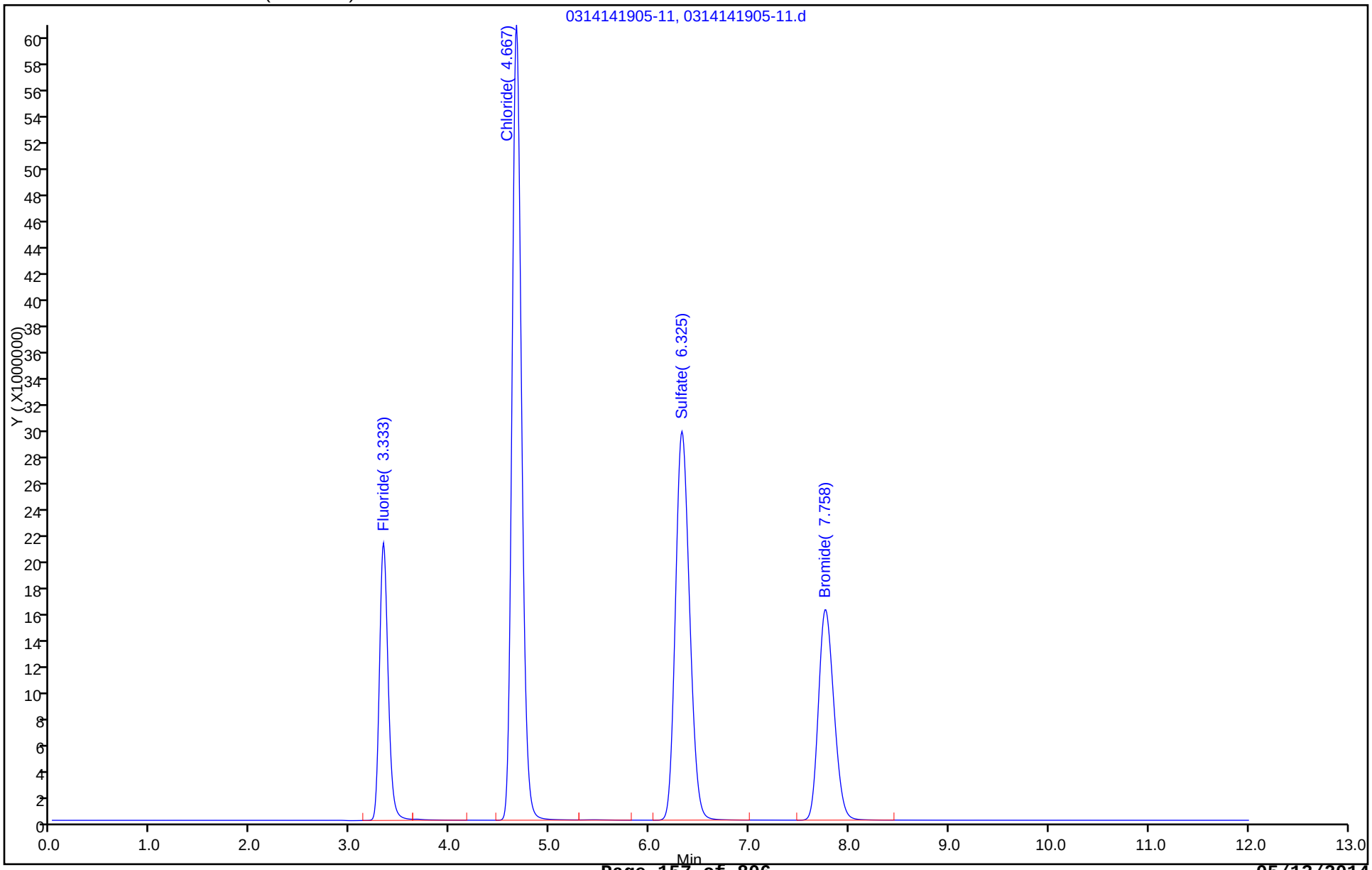
Lims ID: IC Worklist Smp#: 6

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	7		
Inject. Date:	14-Mar-2014 19:20:00	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-7 1K031414 1K082812A				
Misc. Info.:	12				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:20	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.325	0.008	235689465	7.82	
2 Chloride	4.658	4.667	-0.009	985897710	50.0	
3 Sulfate	6.292	6.350	-0.058	725571630	51.9	
4 Bromide	7.717	7.808	-0.091	439353520	52.4	

Report Date: 17-Mar-2014 07:59:20 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d

Injection Date: 14-Mar-2014 19:20:00 Instrument ID: CICK Operator ID:

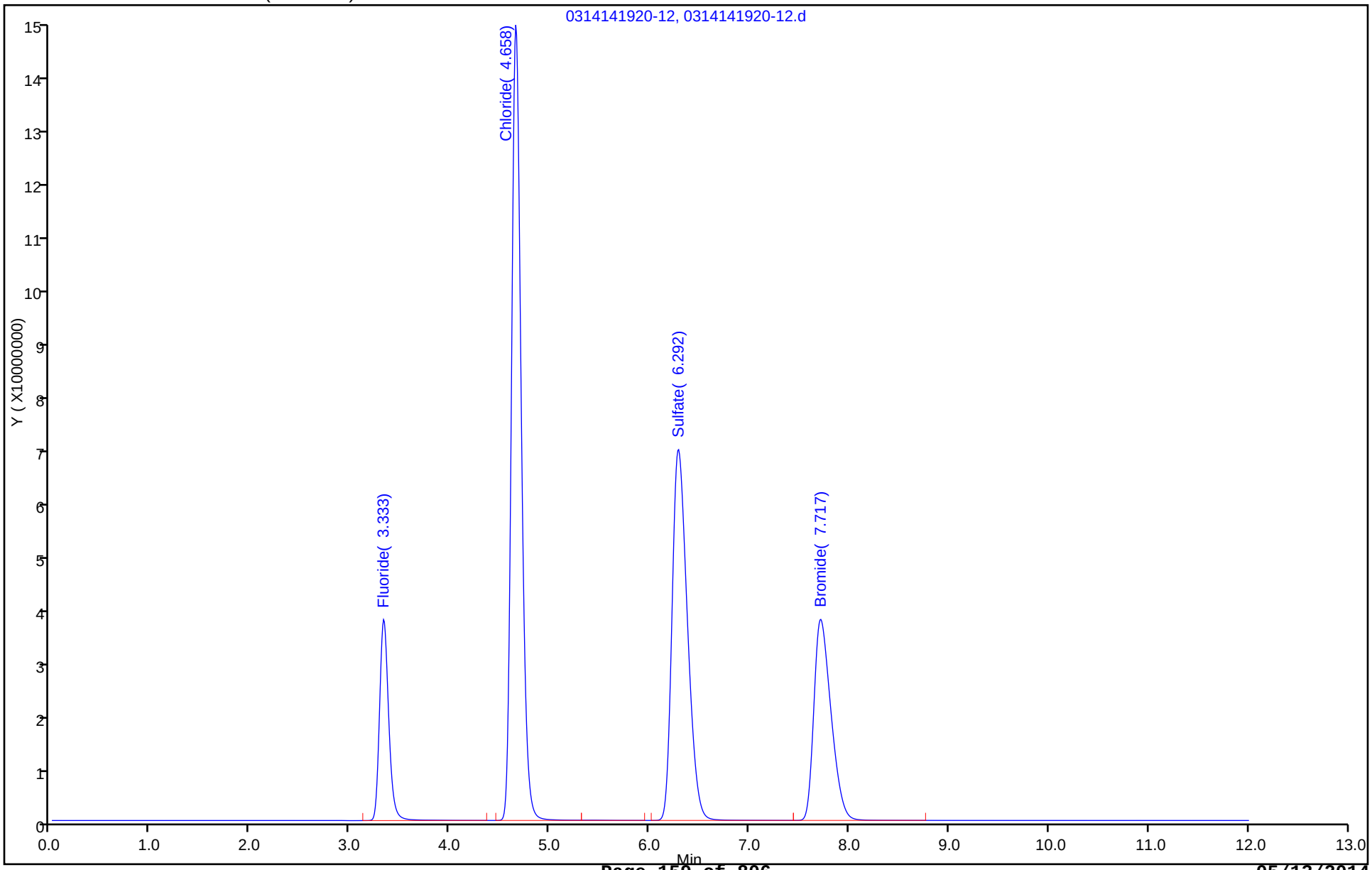
Lims ID: IC Worklist Smp#: 7

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1 Analy Batch No.: 319850

SDG No.: 68099116-1

Instrument ID: CICK GC Column: Dionex AS18 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/16/2014 11:29 Calibration End Date: 03/16/2014 13:01 Calibration ID: 27248

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-319850/1	0316141129-6.d
Level 2	IC 680-319850/2	0316141144-7.d
Level 3	IC 680-319850/3	0316141159-8.d
Level 4	IC 680-319850/4	0316141215-9.d
Level 5	IC 680-319850/5	0316141230-10.d
Level 6	IC 680-319850/6	0316141245-11.d
Level 7	IC 680-319850/7	0316141301-12.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Fluoride	3.333	3.325	3.325	3.333	3.333	3.342	3.333				3.083 - 3.583	3.332
Chloride	4.667	4.667	4.667	4.667	4.667	4.675	4.658				4.417 - 4.917	4.667
Sulfate	6.350	6.350	6.350	6.350	6.342	6.325	6.283				6.100 - 6.600	6.336
Bromide	7.808	7.808	7.800	7.800	7.783	7.758	+++++				7.542 - 8.042	7.793

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-99116-1 Analy Batch No.: 319850

SDG No.: 68099116-1

Instrument ID: CICK GC Column: Dionex AS18 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/16/2014 11:29 Calibration End Date: 03/16/2014 13:01 Calibration ID: 27248

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-319850/1	0316141129-6.d
Level 2	IC 680-319850/2	0316141144-7.d
Level 3	IC 680-319850/3	0316141159-8.d
Level 4	IC 680-319850/4	0316141215-9.d
Level 5	IC 680-319850/5	0316141230-10.d
Level 6	IC 680-319850/6	0316141245-11.d
Level 7	IC 680-319850/7	0316141301-12.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
Fluoride	26093620 33280623	26867240 31574617	29331268 29275700	32673517	Lin1	-292847.34	30660582.6							0.9970		0.9900
Chloride	16045540 19831657	17466913 19890585	18968725 19655715	19803599	Lin1	-1877364.3	19820056.7							1.0000		0.9900
Sulfate	10173188 13682429	11291558 14413204	12668712 14442902	14038207	Lin2	-2187944.0	14136964.1							0.9980		0.9900
Bromide	5934590 8044812	6381278 8537736	7192548 +++++	7976081	Lin1	-1740266.3	8432173.74							0.9990		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-99116-1 Analy Batch No.: 319850

SDG No.: 68099116-1

Instrument ID: CICK GC Column: Dionex AS18 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/16/2014 11:29 Calibration End Date: 03/16/2014 13:01 Calibration ID: 27248

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-319850/1	0316141129-6.d
Level 2	IC 680-319850/2	0316141144-7.d
Level 3	IC 680-319850/3	0316141159-8.d
Level 4	IC 680-319850/4	0316141215-9.d
Level 5	IC 680-319850/5	0316141230-10.d
Level 6	IC 680-319850/6	0316141245-11.d
Level 7	IC 680-319850/7	0316141301-12.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Fluoride	Lin1	2609362 126298468	5373448 234205599	14665634	32673517	66561245	0.100 4.00	0.200 8.00	0.500	1.00	2.00
Chloride	Lin1	8022770 397811698	17466913 982785741	47421812	99017997	198316566	0.500 20.0	1.00 50.0	2.50	5.00	10.0
Sulfate	Lin2	5086594 288264073	11291558 722145105	31671779	70191036	136824292	0.500 20.0	1.00 50.0	2.50	5.00	10.0
Bromide	Lin1	2967295 170754715	6381278 +++++	17981369	39880403	80448118	0.500 20.0	1.00 +++++	2.50	5.00	10.0

Curve Type Legend:

Lin1 = Linear 1/conc
Lin2 = Linear 1/conc^2

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141129-6.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 16-Mar-2014 11:29:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: IC_ANION-1 1K031614 1K082812A
Operator ID: Instrument ID: CICK
Sublist: chrom-300.0_9056A_CICK*sub1

Method: \\SAVCHROM\ChromData\CICK\20140317-7200.b\300.0_9056A_CICK.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 17-Mar-2014 13:01:11 Calib Date: 16-Mar-2014 13:01:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d

Column 1 : Dionex Ion Pac AS18 (4.00 mm) Det: 0118131406-12
Process Host: XAWRK021

First Level Reviewer: brazellc Date: 17-Mar-2014 11:49:53

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.333	0.0	2609362	0.0947	
2 Chloride	4.667	4.667	0.0	8022770	0.4995	
3 Sulfate	6.350	6.350	0.0	5086594	0.5146	
4 Bromide	7.808	7.792	0.016	2967295	0.5583	

Report Date: 17-Mar-2014 13:01:12 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141129-6.d

Injection Date: 16-Mar-2014 11:29:00 Instrument ID: CICK Operator ID:

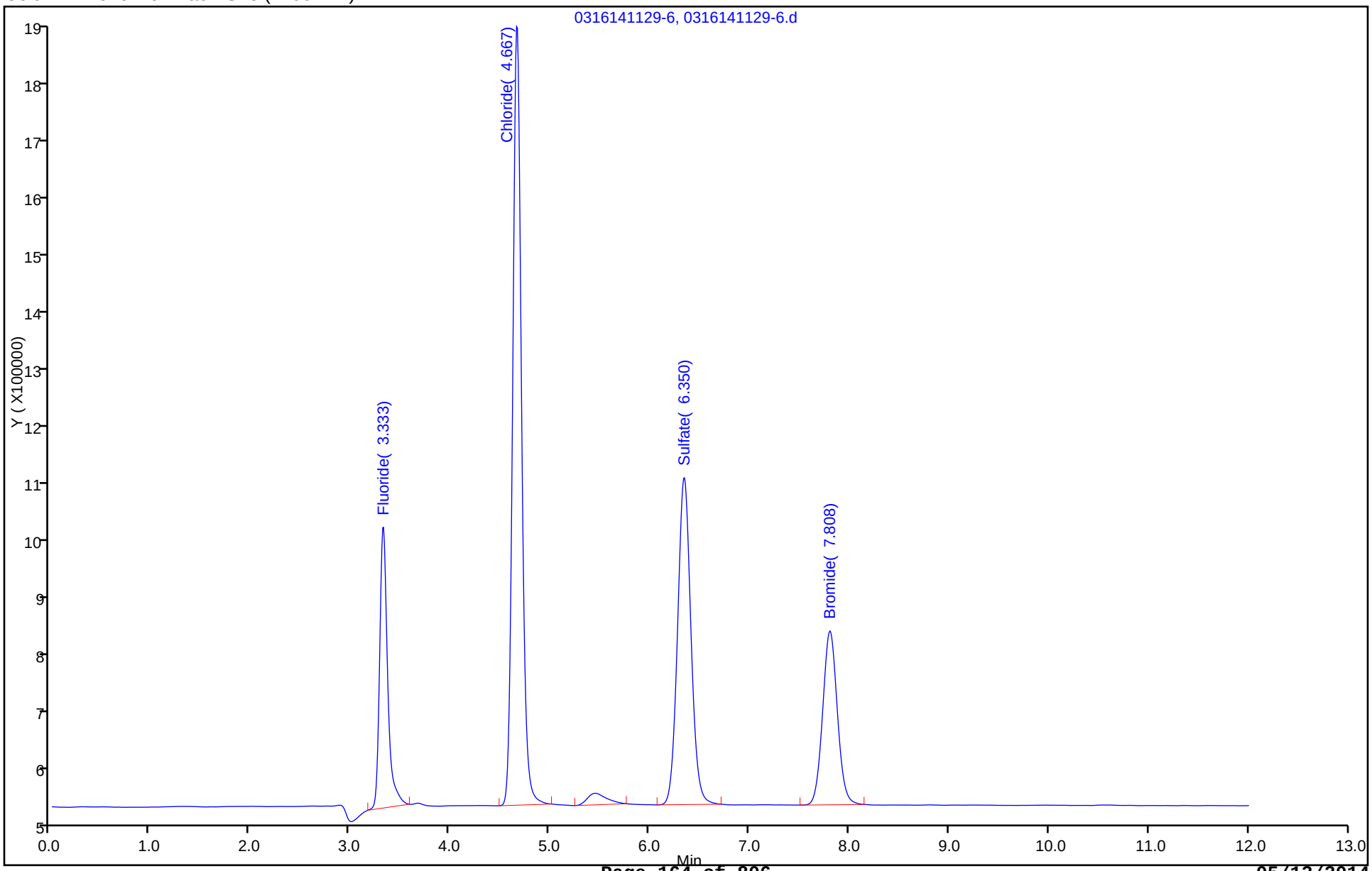
Lims ID: IC Worklist Smp#: 1

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141144-7.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 16-Mar-2014 11:44:00 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: IC_ANION-2 1K031614 1K082812A
Operator ID: Instrument ID: CICK
Sublist: chrom-300.0_9056A_CICK*sub1

Method: \\SAVCHROM\ChromData\CICK\20140317-7200.b\300.0_9056A_CICK.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 17-Mar-2014 13:01:12 Calib Date: 16-Mar-2014 13:01:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d

Column 1 : Dionex Ion Pac AS18 (4.00 mm) Det: 0118131406-12
Process Host: XAWRK021

First Level Reviewer: brazellc Date: 17-Mar-2014 12:59:42

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.333	-0.008	5373448	0.1848	
2 Chloride	4.667	4.667	0.0	17466913	0.9760	
3 Sulfate	6.350	6.350	0.0	11291558	0.9535	
4 Bromide	7.808	7.792	0.016	6381278	0.9632	

Report Date: 17-Mar-2014 13:01:12 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141144-7.d

Injection Date: 16-Mar-2014 11:44:00 Instrument ID: CICK Operator ID:

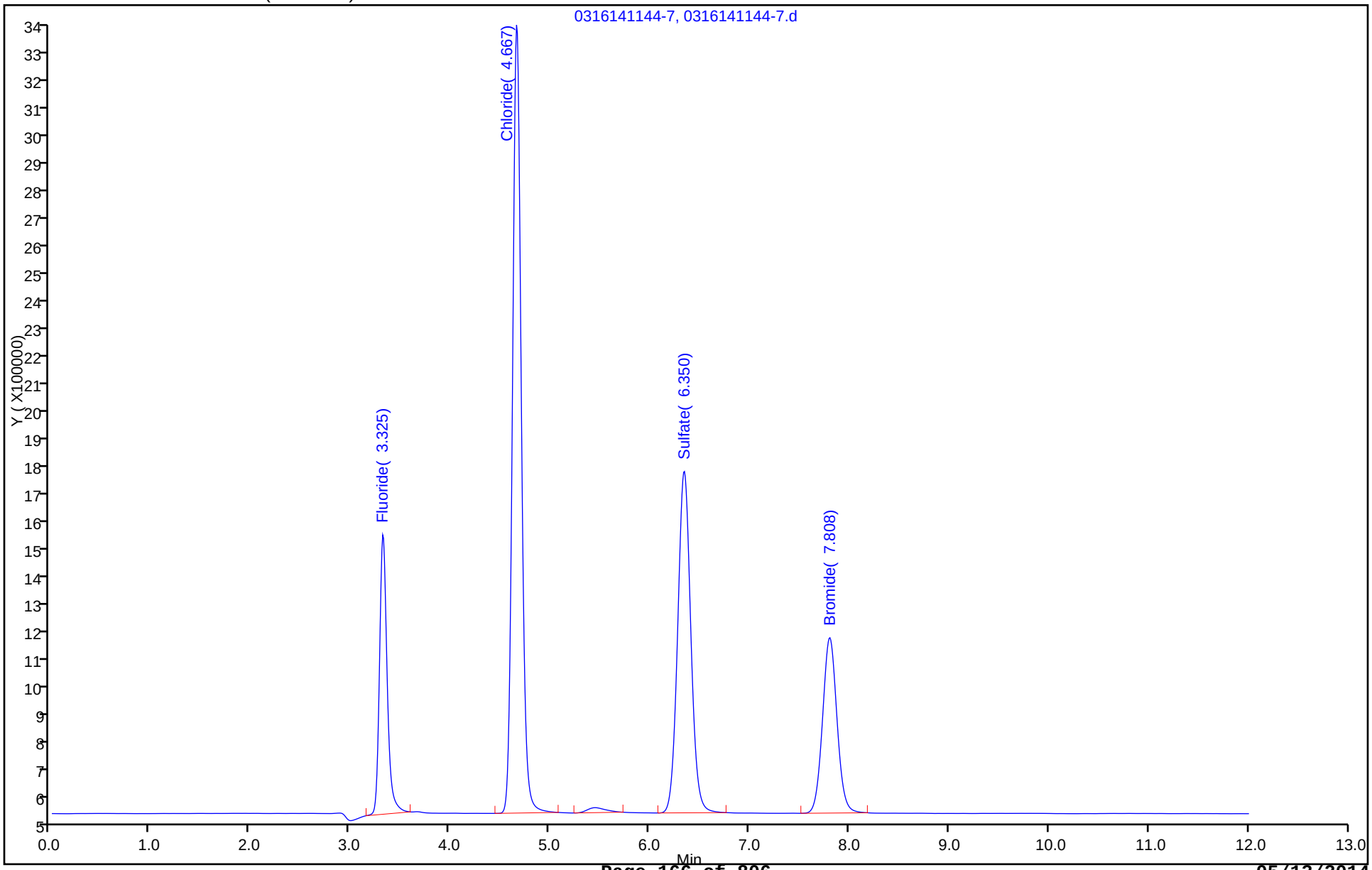
Lims ID: IC Worklist Smp#: 2

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141159-8.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	3		
Inject. Date:	16-Mar-2014 11:59:00	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-3 1K031614 1K082812A				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 13:04:02	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

First Level Reviewer: brazellc Date: 17-Mar-2014 13:01:11

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.333	-0.008	14665634	0.4879	
2 Chloride	4.667	4.667	0.0	47421812	2.49	
3 Sulfate	6.350	6.350	0.0	31671779	2.40	
4 Bromide	7.800	7.792	0.008	17981369	2.34	

Report Date: 17-Mar-2014 13:04:02 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141159-8.d

Injection Date: 16-Mar-2014 11:59:00 Instrument ID: CICK Operator ID:

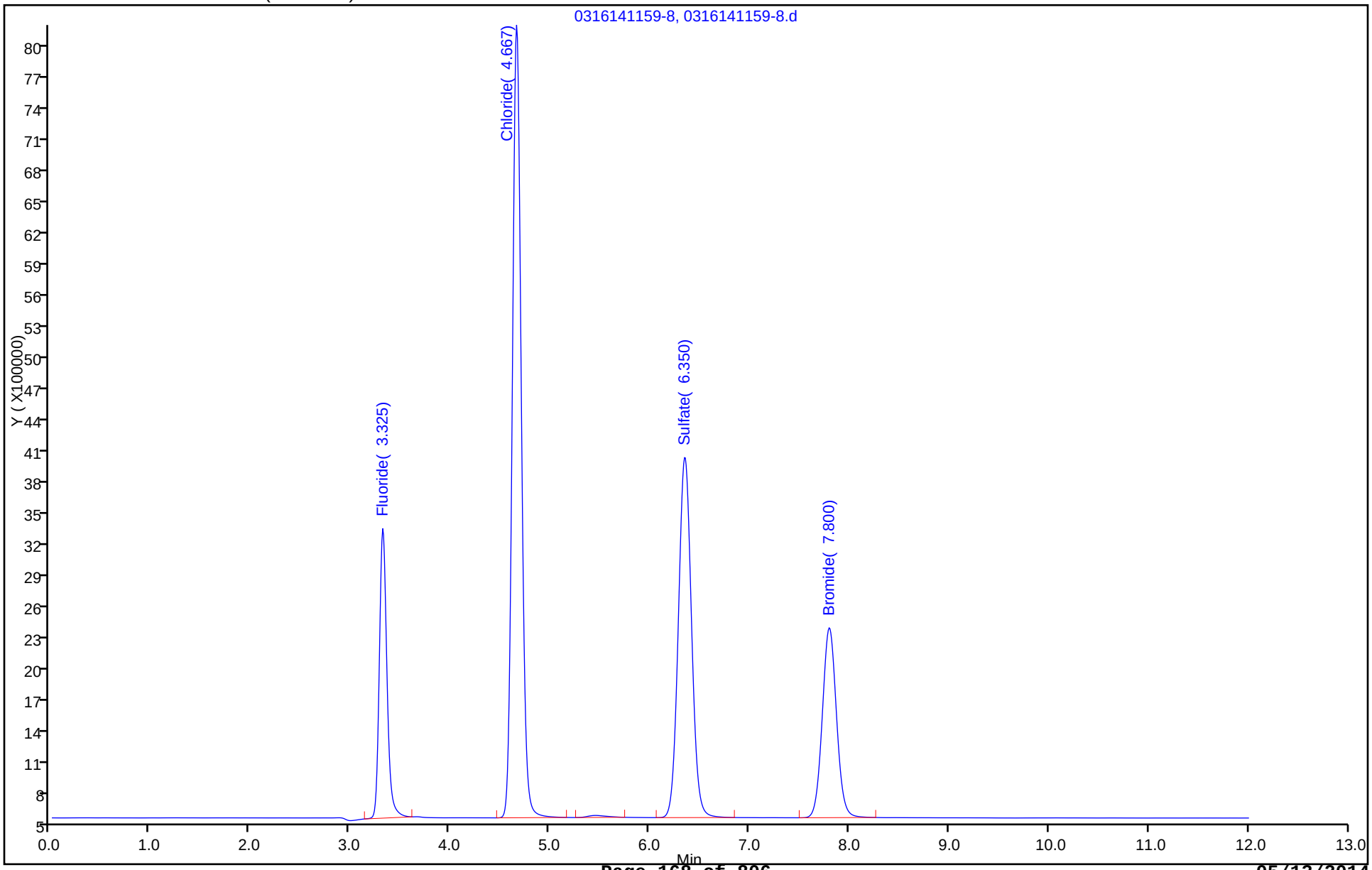
Lims ID: IC Worklist Smp#: 3

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141215-9.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 16-Mar-2014 12:15:00 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: IC_ANION-4 1K031614 1K082812A
Operator ID: Instrument ID: CICK
Sublist: chrom-300.0_9056A_CICK*sub1

Method: \\SAVCHROM\ChromData\CICK\20140317-7200.b\300.0_9056A_CICK.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 17-Mar-2014 13:01:12 Calib Date: 16-Mar-2014 13:01:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d

Column 1 : Dionex Ion Pac AS18 (4.00 mm) Det: 0118131406-12
Process Host: XAWRK021

First Level Reviewer: brazellc Date: 17-Mar-2014 06:00:52

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.333	0.0	32673517	1.08	
2 Chloride	4.667	4.667	0.0	99017997	5.09	
3 Sulfate	6.350	6.350	0.0	70191036	5.12	
4 Bromide	7.800	7.800	0.0	39880403	4.94	

Report Date: 17-Mar-2014 13:01:12 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141215-9.d

Injection Date: 16-Mar-2014 12:15:00 Instrument ID: CICK Operator ID:

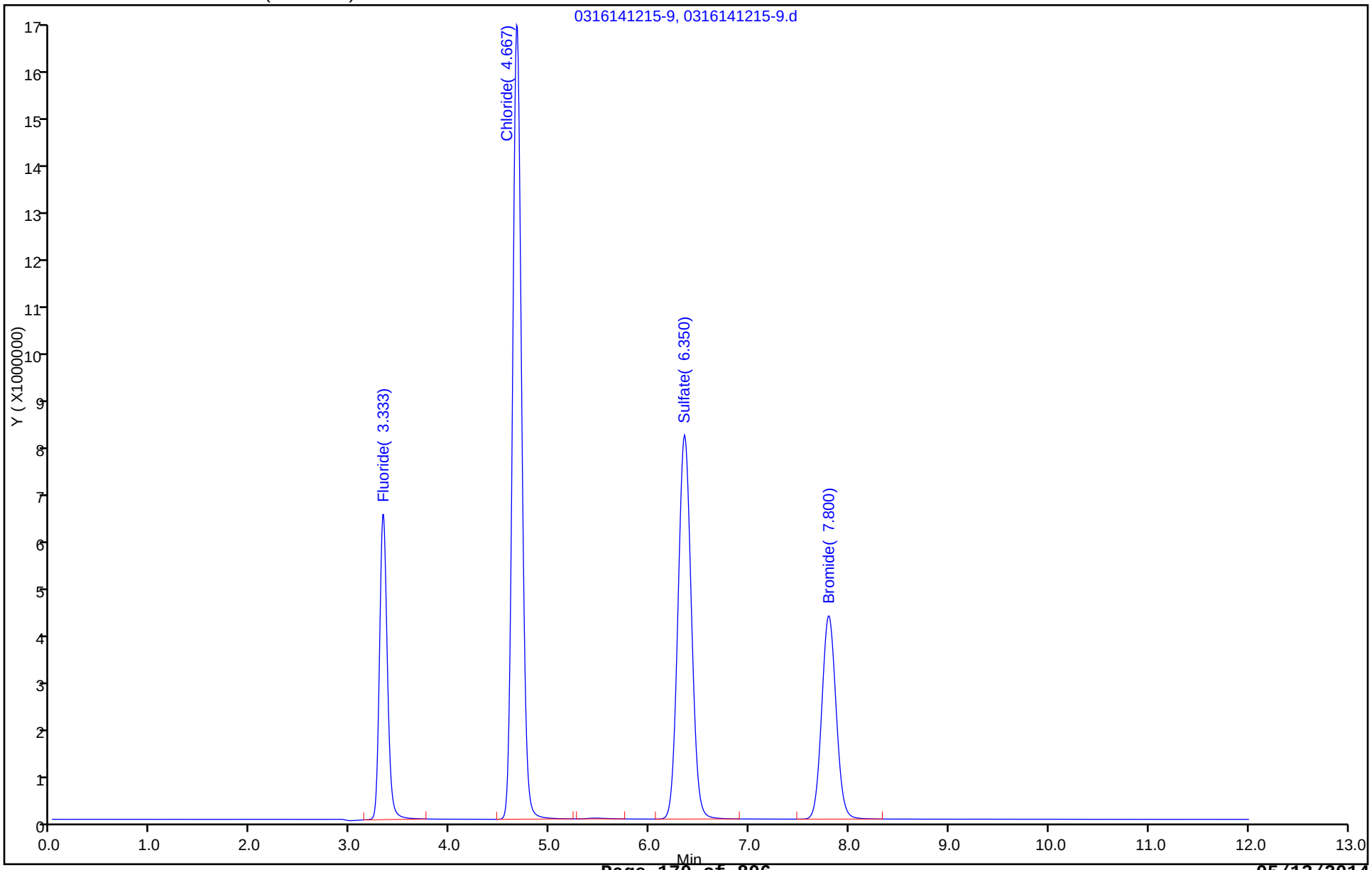
Lims ID: IC Worklist Smp#: 4

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141230-10.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	5		
Inject. Date:	16-Mar-2014 12:30:00	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-5 1K031614 1K082812A				
Misc. Info.:	10				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 13:01:13	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.333	0.0	66561245	2.18	
2 Chloride	4.667	4.667	0.0	198316566	10.1	
3 Sulfate	6.342	6.350	-0.008	136824292	9.83	
4 Bromide	7.783	7.800	-0.017	80448118	9.75	

Report Date: 17-Mar-2014 13:01:13 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141230-10.d

Injection Date: 16-Mar-2014 12:30:00 Instrument ID: CICK Operator ID:

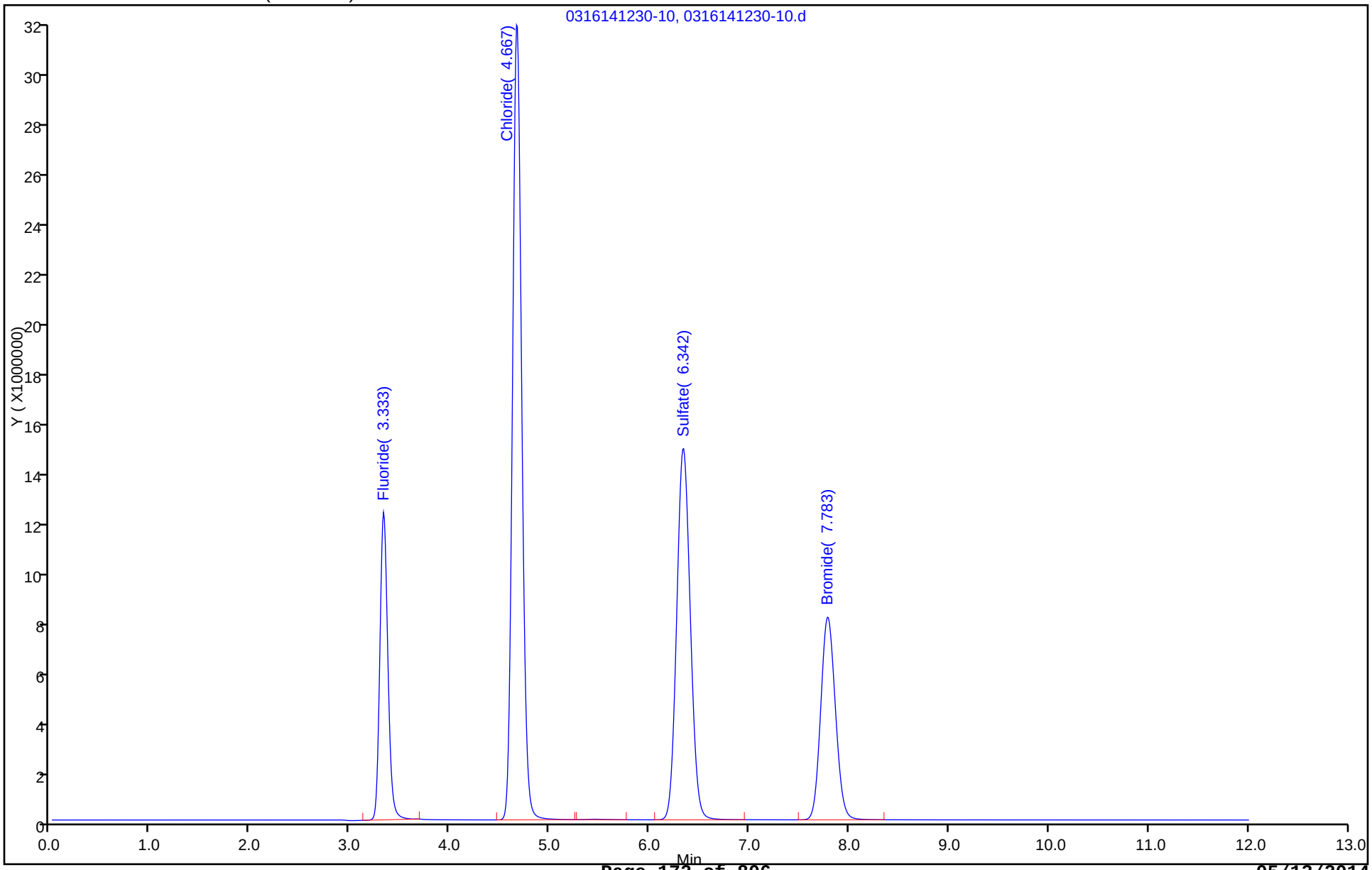
Lims ID: IC Worklist Smp#: 5

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141245-11.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	6		
Inject. Date:	16-Mar-2014 12:45:00	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-6 1K031614 1K082812A				
Misc. Info.:	11				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 13:01:13	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.342	3.333	0.009	126298468	4.13	
2 Chloride	4.675	4.667	0.008	397811698	20.2	
3 Sulfate	6.325	6.350	-0.025	288264073	20.5	
4 Bromide	7.758	7.800	-0.042	170754715	20.5	

Report Date: 17-Mar-2014 13:01:13 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141245-11.d

Injection Date: 16-Mar-2014 12:45:00 Instrument ID: CICK Operator ID:

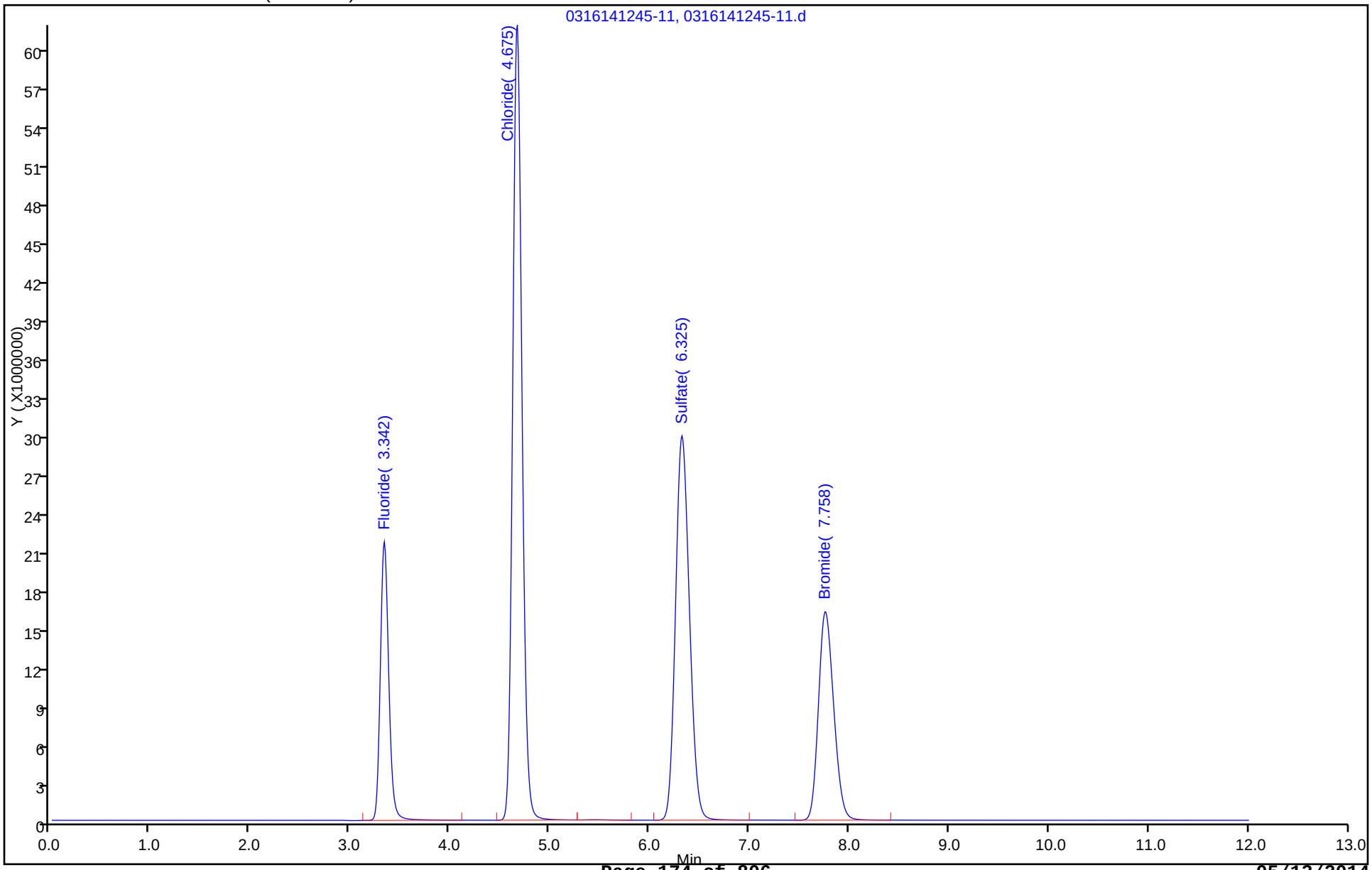
Lims ID: IC Worklist Smp#: 6

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	7		
Inject. Date:	16-Mar-2014 13:01:00	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-7 1K031614 1K082812A				
Misc. Info.:	12				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 13:01:13	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.333	0.0	234205599	7.65	
2 Chloride	4.658	4.667	-0.009	982785741	49.7	
3 Sulfate	6.283	6.350	-0.067	722145105	51.2	
4 Bromide	7.700	7.800	-0.100	437031925	52.0	

Report Date: 17-Mar-2014 13:01:13 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d

Injection Date: 16-Mar-2014 13:01:00 Instrument ID: CICK Operator ID:

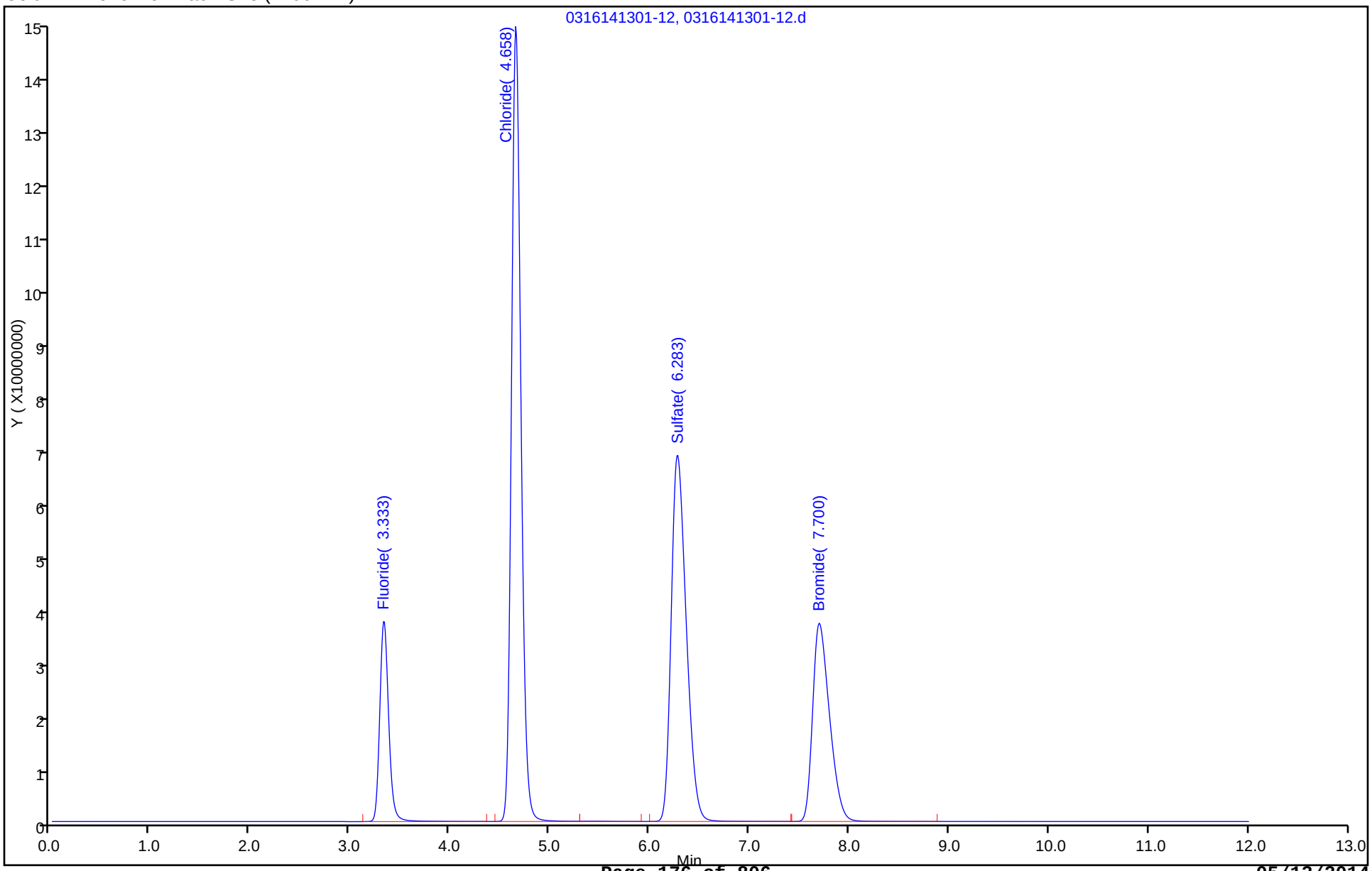
Lims ID: IC Worklist Smp#: 7

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1 Analy Batch No.: 317700

SDG No.: 68099116-1

Instrument ID: CICL GC Column: Dionex AS18 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/28/2014 04:56 Calibration End Date: 02/28/2014 06:22 Calibration ID: 26619

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-317700/1	0228140456-74.d
Level 2	IC 680-317700/2	0228140510-75.d
Level 3	IC 680-317700/3	0228140524-76.d
Level 4	IC 680-317700/4	0228140539-77.d
Level 5	IC 680-317700/5	0228140553-78.d
Level 6	IC 680-317700/6	0228140608-79.d
Level 7	IC 680-317700/7	0228140622-80.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Fluoride	3.183	3.192	3.192	3.192	3.192	3.200	3.200				2.942 - 3.442	3.193
Chloride	4.425	4.425	4.425	4.425	4.417	4.417	4.408				4.175 - 4.675	4.420
Sulfate	5.992	5.992	5.992	5.992	5.975	5.958	5.908				5.725 - 6.225	5.973
Bromide	7.258	7.258	7.250	7.250	7.233	7.208	+++++				6.983 - 7.483	7.243

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-99116-1 Analy Batch No.: 317700

SDG No.: 68099116-1

Instrument ID: CICL GC Column: Dionex AS18 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/28/2014 04:56 Calibration End Date: 02/28/2014 06:22 Calibration ID: 26619

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-317700/1	0228140456-74.d
Level 2	IC 680-317700/2	0228140510-75.d
Level 3	IC 680-317700/3	0228140524-76.d
Level 4	IC 680-317700/4	0228140539-77.d
Level 5	IC 680-317700/5	0228140553-78.d
Level 6	IC 680-317700/6	0228140608-79.d
Level 7	IC 680-317700/7	0228140622-80.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
Fluoride	32828710 37114140	34212910 36148324	35622216 34506343	37462284	Lin2	-358354.08	36379837.1							0.9990		0.9900
Chloride	19032152 21879355	20315445 22199496	21347059 22577872	21849650	Lin2	-1670845.1	22214302.0							1.0000		0.9900
Sulfate	16132986 16501005	16307757 16448468	16802702 16520538	16727891	Lin2	-229408.12	16615173.5							1.0000		0.9900
Bromide	7039486 9413341	7583572 9625856	8417425 +++++	9061786	Lin2	-1289383.2	9329442.19							0.9980		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-99116-1 Analy Batch No.: 317700

SDG No.: 68099116-1

Instrument ID: CICL GC Column: Dionex AS18 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/28/2014 04:56 Calibration End Date: 02/28/2014 06:22 Calibration ID: 26619

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-317700/1	0228140456-74.d
Level 2	IC 680-317700/2	0228140510-75.d
Level 3	IC 680-317700/3	0228140524-76.d
Level 4	IC 680-317700/4	0228140539-77.d
Level 5	IC 680-317700/5	0228140553-78.d
Level 6	IC 680-317700/6	0228140608-79.d
Level 7	IC 680-317700/7	0228140622-80.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Fluoride	Lin2	3282871 144593295	6842582 276050741	17811108	37462284	74228280	0.100 4.00	0.200 8.00	0.500	1.00	2.00
Chloride	Lin2	9516076 443989916	20315445 1128893582	53367648	109248250	218793547	0.500 20.0	1.00 50.0	2.50	5.00	10.0
Sulfate	Lin2	8066493 328969350	16307757 826026905	42006755	83639453	165010047	0.500 20.0	1.00 50.0	2.50	5.00	10.0
Bromide	Lin2	3519743 192517117	7583572 +++++	21043563	45308930	94133410	0.500 20.0	1.00 +++++	2.50	5.00	10.0

Curve Type Legend:

Lin2 = Linear 1/conc^2

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140456-74.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	1		
Inject. Date:	28-Feb-2014 04:56:00	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-1 1L022714 connie				
Misc. Info.:	6179 3471890				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	28-Feb-2014 12:40:26	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.183	3.192	-0.009	3282871	0.1001	
2 Chloride	4.425	4.425	0.0	9516076	0.5036	
3 Sulfate	5.992	5.975	0.017	8066493	0.4993	
4 Bromide	7.258	7.233	0.025	3519743	0.5181	

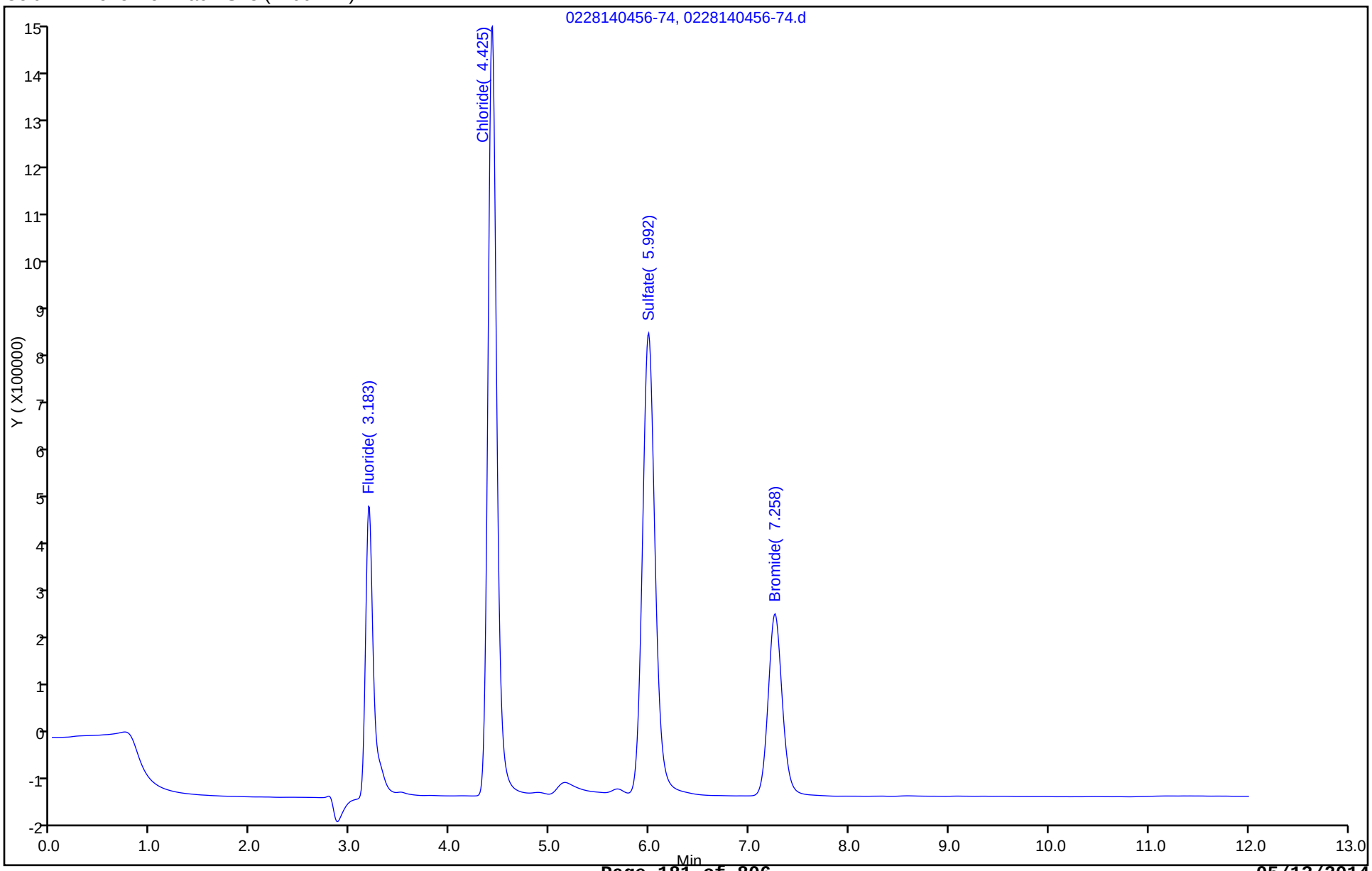
Report Date: 28-Feb-2014 12:40:26 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140456-74.d

Injection Date:	28-Feb-2014 04:56:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	1
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140510-75.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	2		
Inject. Date:	28-Feb-2014 05:10:00	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-2 1L022714 connie				
Misc. Info.:	20506 3471893				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	28-Feb-2014 12:40:26	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.192	0.0	6842582	0.1979	
2 Chloride	4.425	4.425	0.0	20315445	0.9897	
3 Sulfate	5.992	5.975	0.017	16307757	1.00	
4 Bromide	7.258	7.233	0.025	7583572	0.9478	

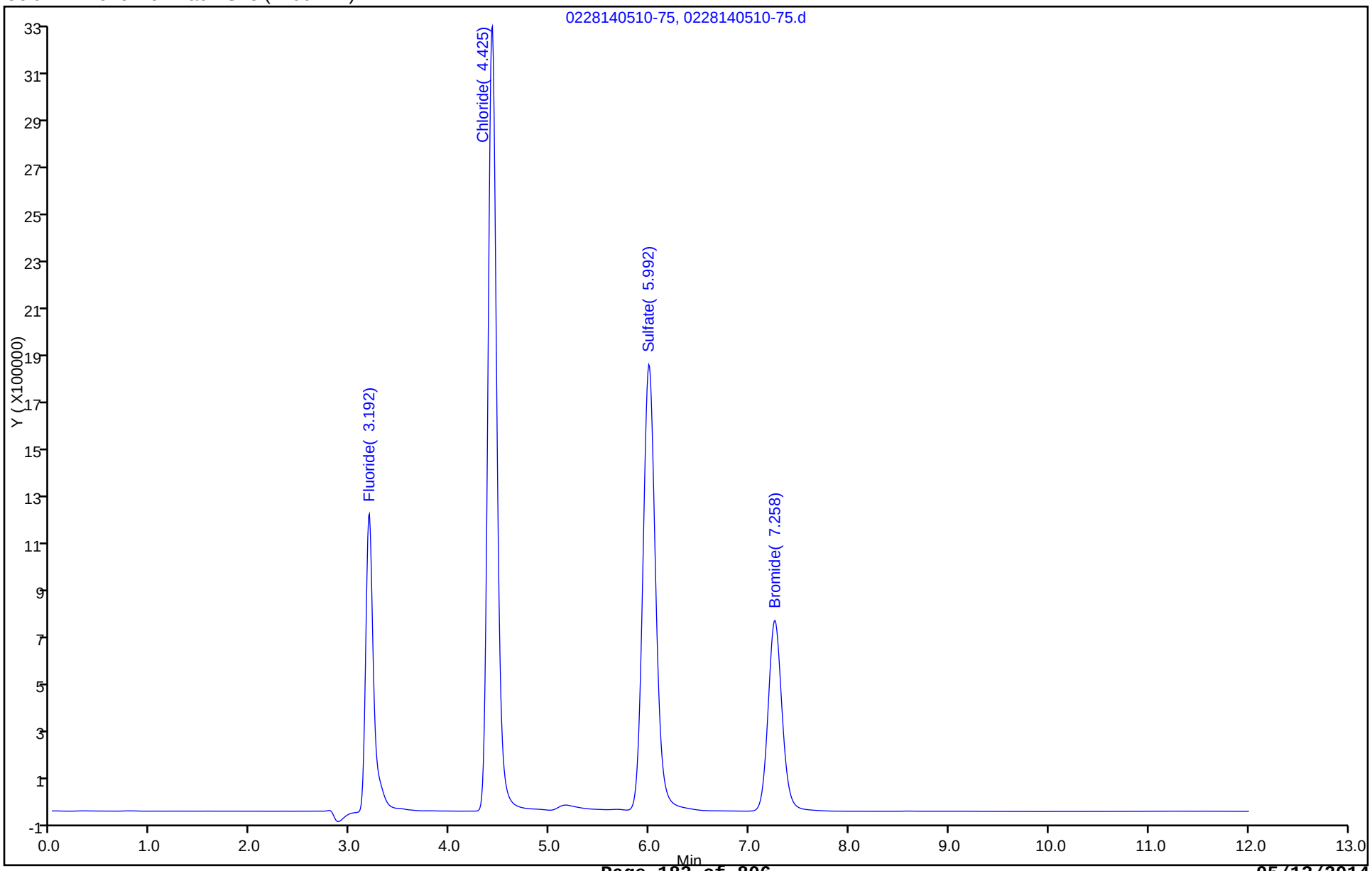
Report Date: 28-Feb-2014 12:40:27 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140510-75.d

Injection Date:	28-Feb-2014 05:10:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	2
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140524-76.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	3		
Inject. Date:	28-Feb-2014 05:24:00	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-3 1L022714 connie				
Misc. Info.:	1808 3471895				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	28-Feb-2014 12:40:27	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.192	0.0	17811108	0.4994	
2 Chloride	4.425	4.425	0.0	53367648	2.48	
3 Sulfate	5.992	5.975	0.017	42006755	2.54	
4 Bromide	7.250	7.233	0.017	21043563	2.37	

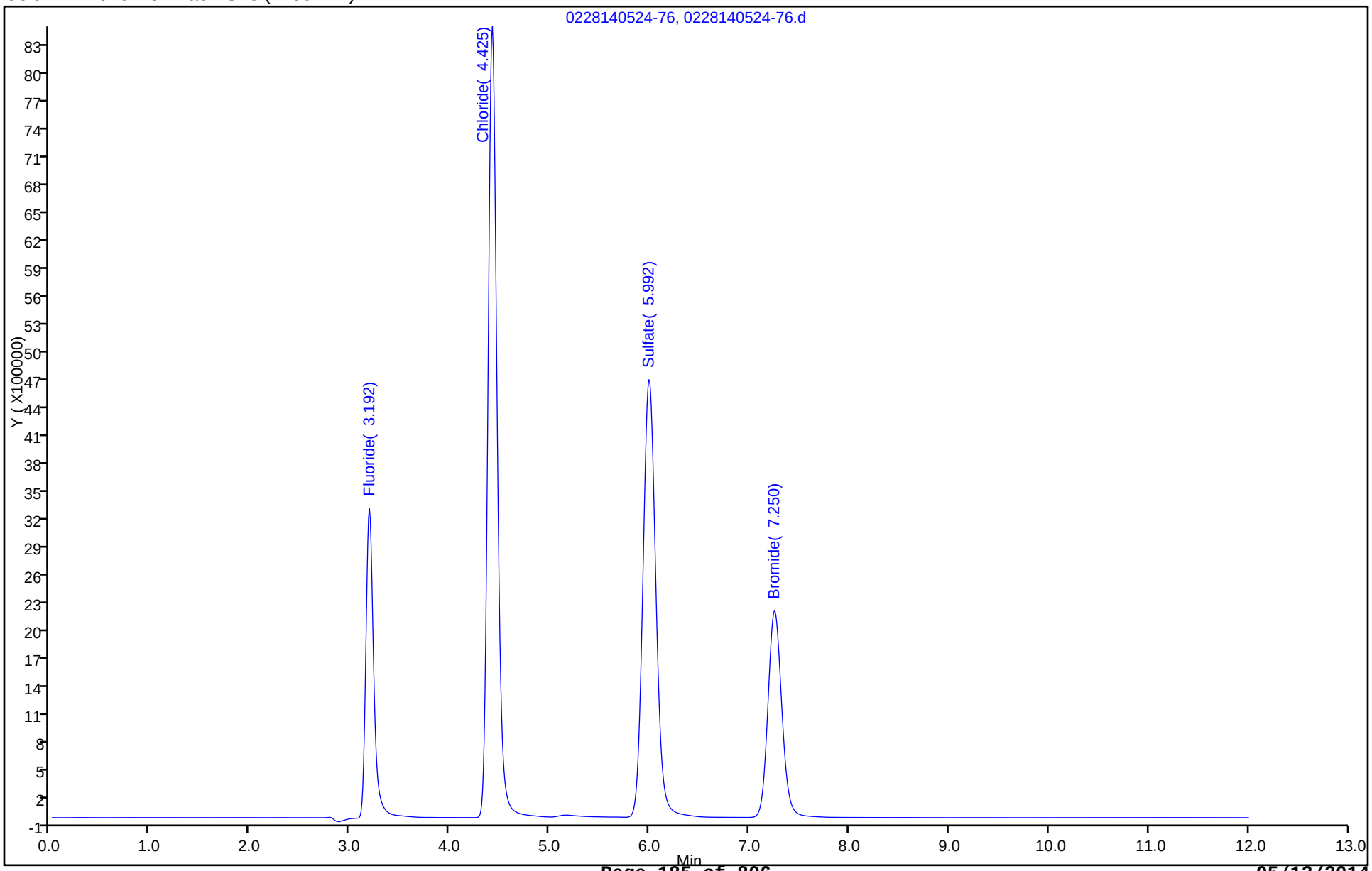
Report Date: 28-Feb-2014 12:40:27 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140524-76.d

Injection Date:	28-Feb-2014 05:24:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	3
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140539-77.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	4		
Inject. Date:	28-Feb-2014 05:39:00	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-4 1L022714 connie				
Misc. Info.:	10322 3471897				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	28-Feb-2014 12:40:27	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.192	0.0	37462284	1.04	
2 Chloride	4.425	4.425	0.0	109248250	4.99	
3 Sulfate	5.992	5.992	0.0	83639453	5.05	
4 Bromide	7.250	7.250	0.0	45308930	4.94	

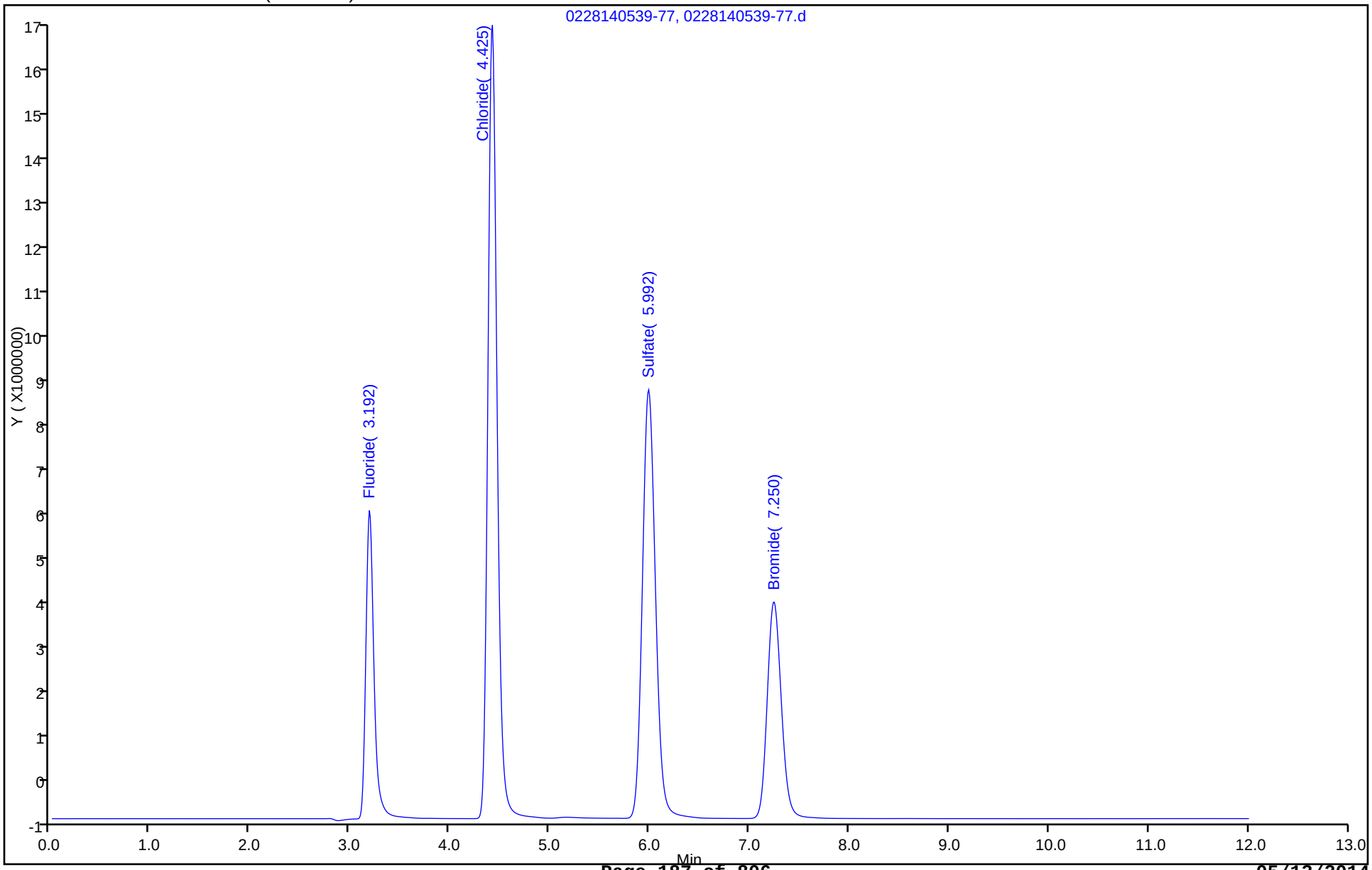
Report Date: 28-Feb-2014 12:40:27 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140539-77.d

Injection Date:	28-Feb-2014 05:39:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140553-78.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	5		
Inject. Date:	28-Feb-2014 05:53:00	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L022714 connie				
Misc. Info.:	2572 3471901				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	28-Feb-2014 12:40:28	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.192	0.0	74228280	2.05	
2 Chloride	4.417	4.425	-0.008	218793547	9.92	
3 Sulfate	5.975	5.992	-0.017	165010047	9.95	
4 Bromide	7.233	7.250	-0.017	94133410	10.1	

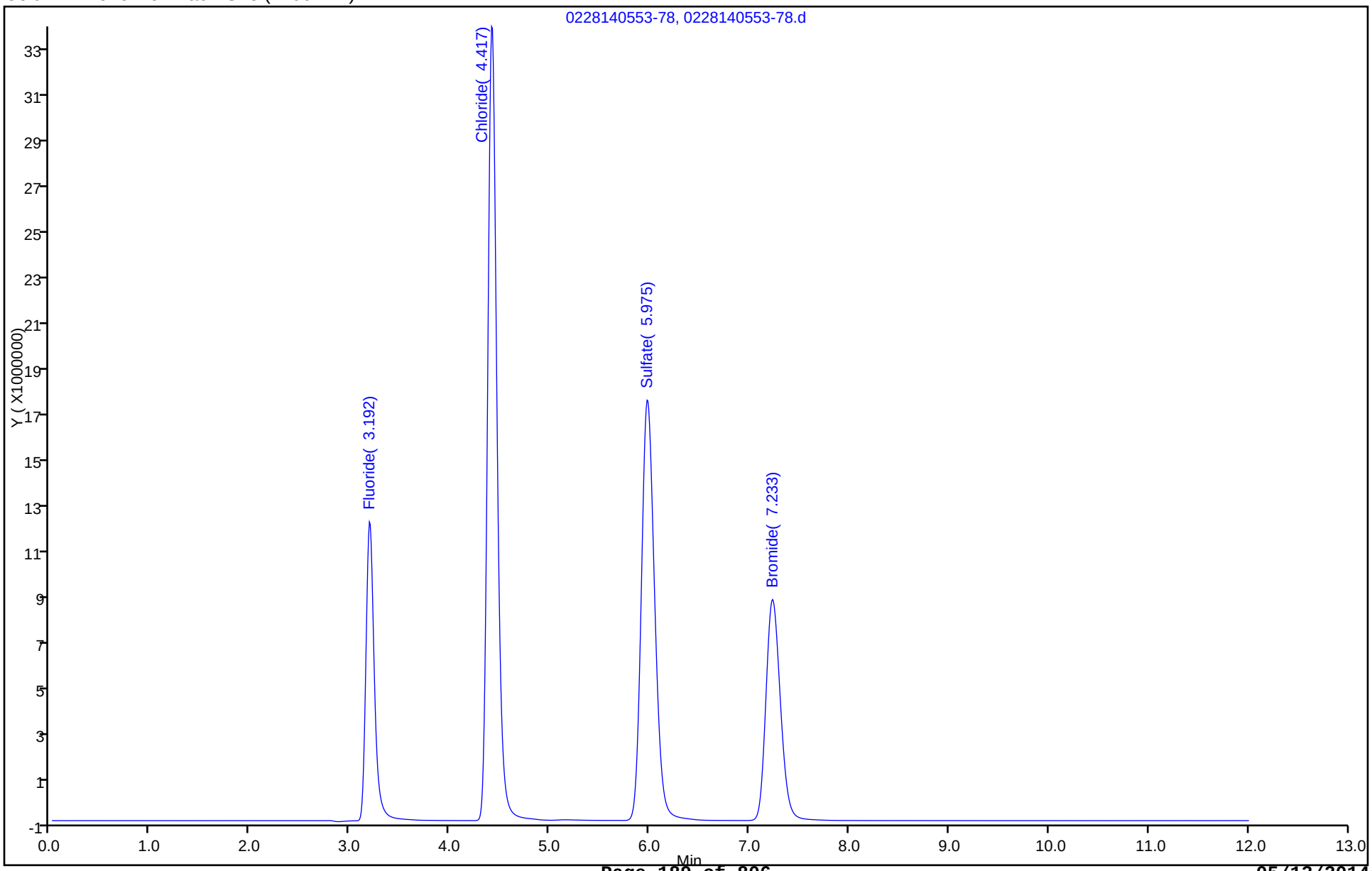
Report Date: 28-Feb-2014 12:40:28 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140553-78.d

Injection Date:	28-Feb-2014 05:53:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	5
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140608-79.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	6		
Inject. Date:	28-Feb-2014 06:08:00	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-6 1L022714 connie				
Misc. Info.:	3212 3471903				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	28-Feb-2014 12:40:28	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.192	0.008	144593295	3.98	
2 Chloride	4.417	4.425	-0.008	443989916	20.1	
3 Sulfate	5.958	5.992	-0.034	328969350	19.8	
4 Bromide	7.208	7.250	-0.042	192517117	20.5	

Report Date: 28-Feb-2014 12:40:28 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140608-79.d

Injection Date: 28-Feb-2014 06:08:00 Instrument ID: CICL Operator ID:

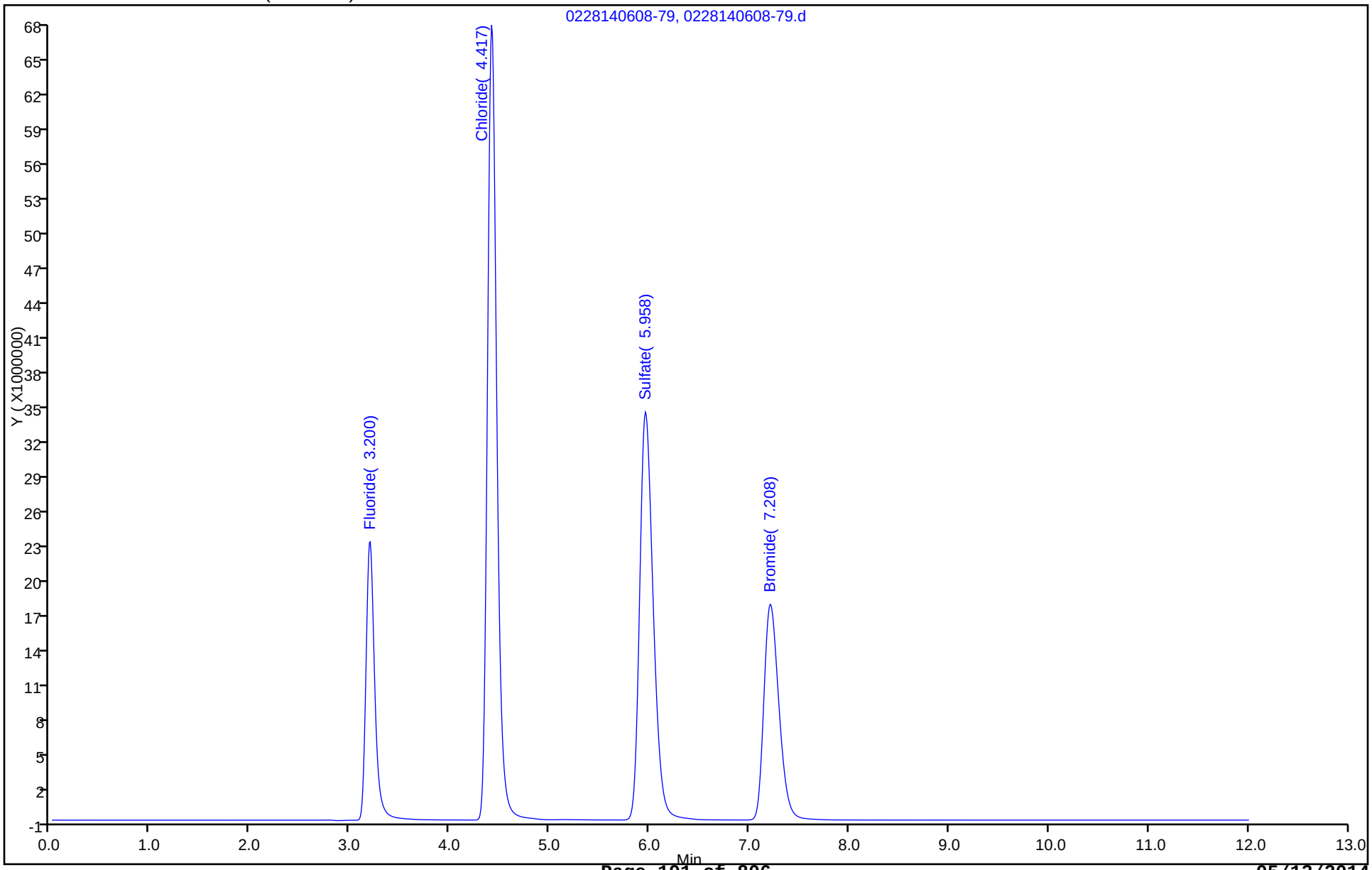
Lims ID: IC Lab Sample ID: Worklist Smp#: 6

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	7		
Inject. Date:	28-Feb-2014 06:22:00	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-7 1L022714 connie				
Misc. Info.:	25968 3471905				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	28-Feb-2014 12:40:28	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.192	0.008	276050741	7.60	
2 Chloride	4.408	4.425	-0.017	1128893582	50.9	
3 Sulfate	5.908	5.992	-0.084	826026905	49.7	
4 Bromide	7.158	7.250	-0.092	492976033	53.0	

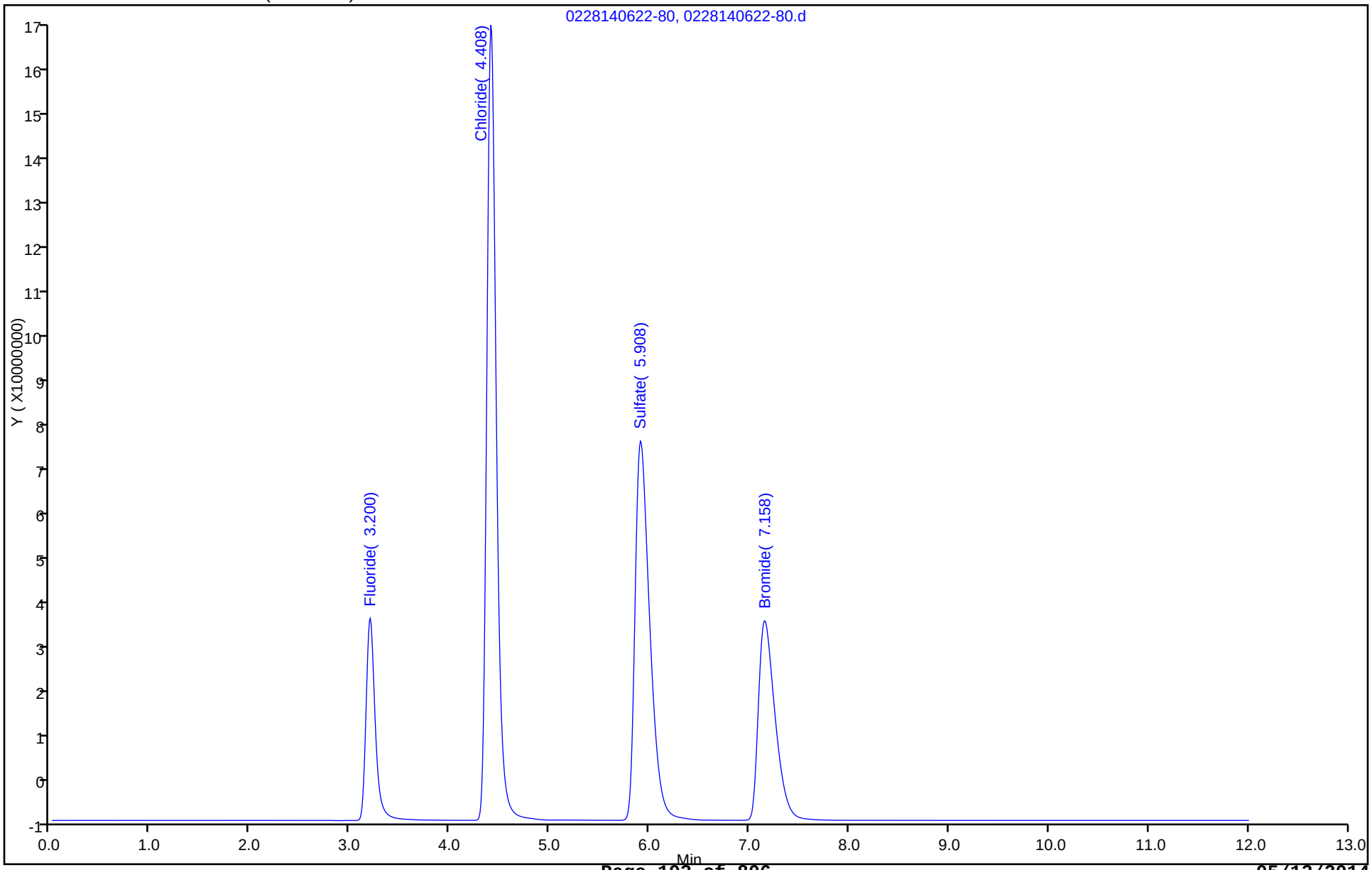
Report Date: 28-Feb-2014 12:40:28 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d

Injection Date:	28-Feb-2014 06:22:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: ICV 680-319822/1009 Calibration Date: 03/14/2014 19:51

Instrument ID: CICK Calib Start Date: 03/14/2014 17:48

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/14/2014 19:20

Lab File ID: 0314141951-14-ICV.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		31438842		2.10	2.00	4.8	10.0
Chloride	Lin1		19404768		9.93	10.0	-0.7	10.0
Sulfate	Lin2		14026381		10.2	10.0	1.6	10.0
Bromide	Lin1		8175286		9.94	10.0	-0.6	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: ICV 680-319822/1009 Calibration Date: 03/14/2014 19:51

Instrument ID: CICK Calib Start Date: 03/14/2014 17:48

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/14/2014 19:20

Lab File ID: 0314141951-14-ICV.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.33	3.08	3.58
Chloride	4.67	4.42	4.92
Sulfate	6.34	6.10	6.60
Bromide	7.79	7.56	8.06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141951-14-ICV.d				
Lims ID:	ICV				
Client ID:					
Sample Type:	ICV				
Inject. Date:	14-Mar-2014 19:51:00	ALS Bottle#:	0	Worklist Smp#:	1009
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 1K031414 1K082812A				
Misc. Info.:	14				
Operator ID:		Instrument ID:	CICK		
Sublist:					
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:20	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.325	0.008	62877684	2.10	
2 Chloride	4.667	4.667	0.0	194047683	9.93	
3 Sulfate	6.342	6.350	-0.008	140263807	10.2	
4 Bromide	7.792	7.808	-0.016	81752861	9.94	

Report Date: 17-Mar-2014 07:59:22 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Laboratories

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141951-14-ICV.d

Injection Date: 14-Mar-2014 19:51:00 Instrument ID: CICK Operator ID:

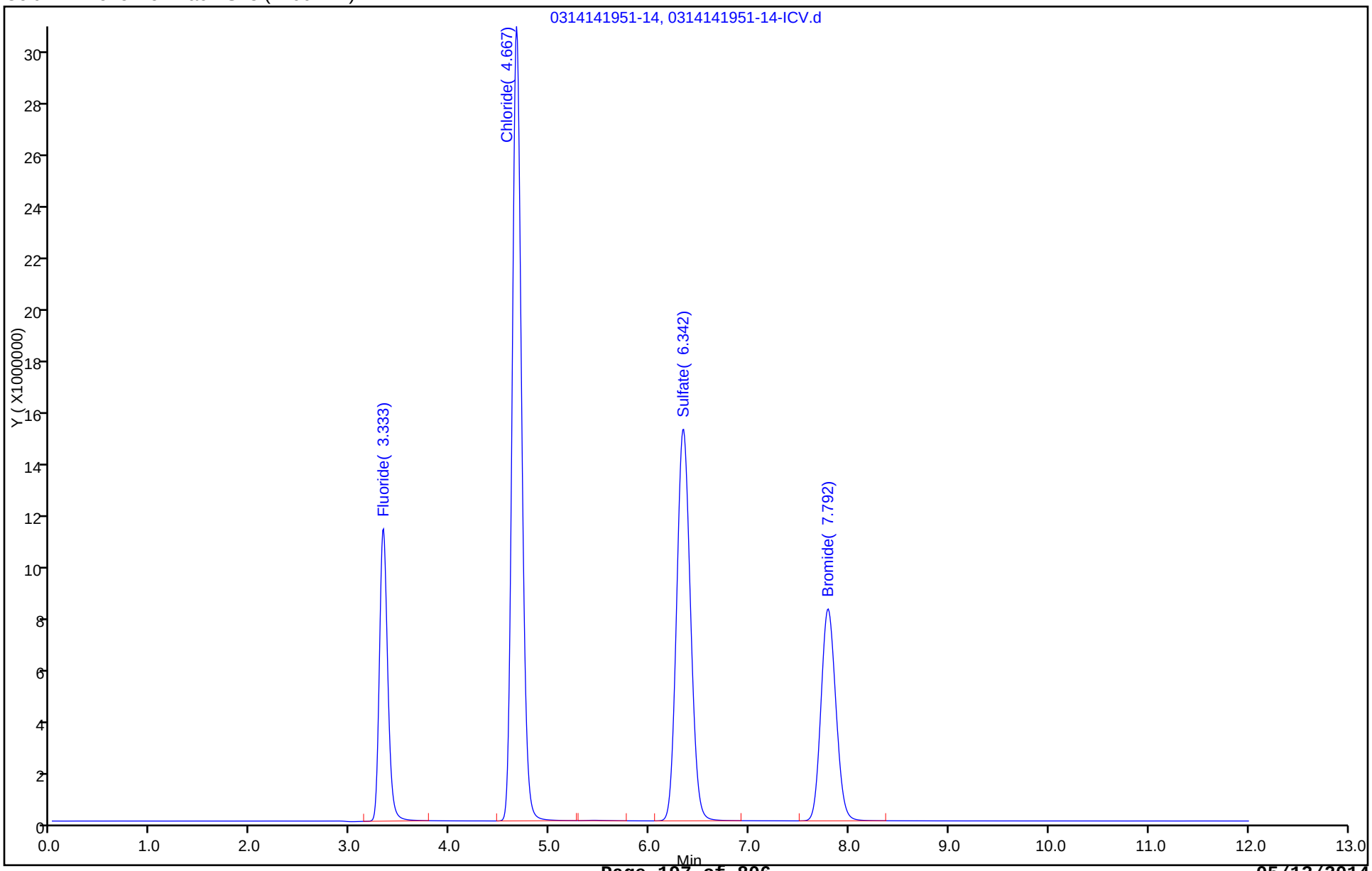
Lims ID: ICV Worklist Smp#: 1009

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319822/22 Calibration Date: 03/14/2014 23:10

Instrument ID: CICK Calib Start Date: 03/14/2014 17:48

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/14/2014 19:20

Lab File ID: 0314142310-27.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		31010992		1.04	1.00	4.2	10.0
Chloride	Lin1		19417593		5.03	5.00	0.5	10.0
Sulfate	Lin2		13813090		5.08	5.00	1.5	10.0
Bromide	Lin1		7866873		4.89	5.00	-2.1	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319822/22 Calibration Date: 03/14/2014 23:10

Instrument ID: CICK Calib Start Date: 03/14/2014 17:48

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/14/2014 19:20

Lab File ID: 0314142310-27.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.33	3.08	3.58
Chloride	4.68	4.43	4.93
Sulfate	6.36	6.11	6.61
Bromide	7.81	7.56	8.06

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314142310-27.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	14-Mar-2014 23:10:00	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-5 1K031414 1K082812A				
Misc. Info.:	32627				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:25	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				
First Level Reviewer: brazellc		Date:	16-Mar-2014 09:07:24		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.325	0.0	31010992	1.04	
2 Chloride	4.675	4.675	0.0	97087966	5.03	
3 Sulfate	6.358	6.358	0.0	69065452	5.08	
4 Bromide	7.808	7.808	0.0	39334366	4.89	

Report Date: 17-Mar-2014 07:59:25 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314142310-27.d

Injection Date: 14-Mar-2014 23:10:00 Instrument ID: CICK Operator ID:

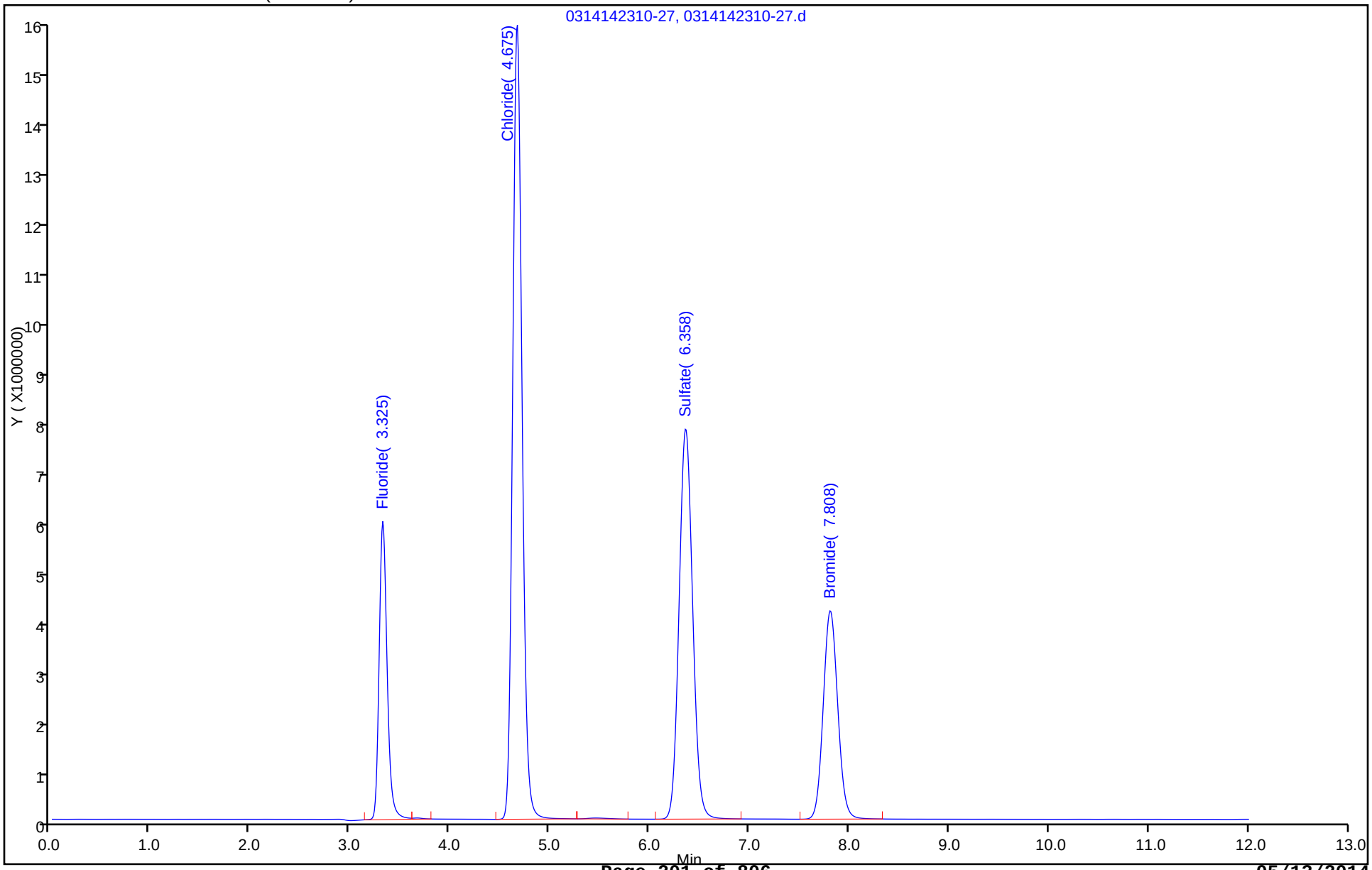
Lims ID: CCV Worklist Smp#: 22

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319822/33 Calibration Date: 03/15/2014 01:58

Instrument ID: CICK Calib Start Date: 03/14/2014 17:48

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/14/2014 19:20

Lab File ID: 0315140158-38.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		31180442		1.05	1.00	4.7	10.0
Chloride	Lin1		19467228		5.04	5.00	0.8	10.0
Sulfate	Lin2		13954047		5.13	5.00	2.6	10.0
Bromide	Lin1		7962849		4.95	5.00	-1.0	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319823/33 Calibration Date: 03/15/2014 01:58

Instrument ID: CICK Calib Start Date: 03/14/2014 17:48

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/14/2014 19:20

Lab File ID: 0315140158-38.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		31180442		1.05	1.00	4.7	10.0
Chloride	Lin1		19467228		5.04	5.00	0.8	10.0
Sulfate	Lin2		13954047		5.13	5.00	2.6	10.0
Bromide	Lin1		7962849		4.95	5.00	-1.0	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319822/33 Calibration Date: 03/15/2014 01:58

Instrument ID: CICK Calib Start Date: 03/14/2014 17:48

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/14/2014 19:20

Lab File ID: 0315140158-38.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.34	3.09	3.59
Chloride	4.68	4.43	4.93
Sulfate	6.35	6.10	6.60
Bromide	7.83	7.58	8.08

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319823/33 Calibration Date: 03/15/2014 01:58

Instrument ID: CICK Calib Start Date: 03/14/2014 17:48

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/14/2014 19:20

Lab File ID: 0315140158-38.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.34	3.09	3.59
Chloride	4.68	4.43	4.93
Sulfate	6.35	6.10	6.60
Bromide	7.83	7.58	8.08

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140158-38.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	15-Mar-2014 01:58:00	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-5 2K031414 1K082812A				
Misc. Info.:	303				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:28	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.342	3.342	0.0	31180442	1.05	
2 Chloride	4.683	4.683	0.0	97336138	5.04	
3 Sulfate	6.350	6.350	0.0	69770237	5.13	
4 Bromide	7.833	7.833	0.0	39814247	4.95	

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140158-38.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	15-Mar-2014 01:58:00	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-5 2K031414 1K082812A				
Misc. Info.:	303				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:28	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.342	3.342	0.0	31180442	1.05	
2 Chloride	4.683	4.683	0.0	97336138	5.04	
3 Sulfate	6.350	6.350	0.0	69770237	5.13	
4 Bromide	7.833	7.833	0.0	39814247	4.95	

Report Date: 17-Mar-2014 07:59:28 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140158-38.d

Injection Date: 15-Mar-2014 01:58:00 Instrument ID: CICK Operator ID:

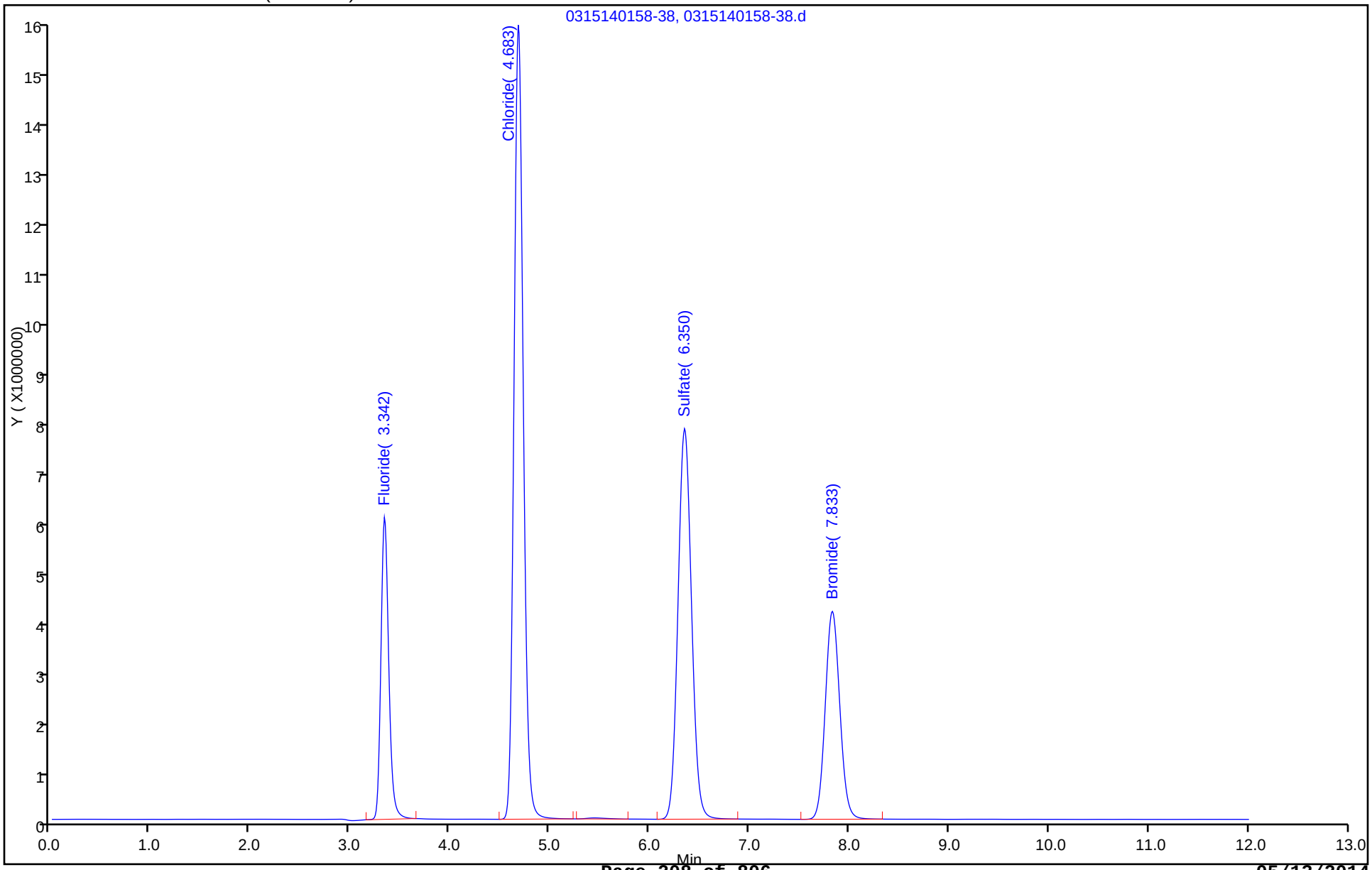
Lims ID: CCV Worklist Smp#: 33

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



Report Date: 17-Mar-2014 07:59:29 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140158-38.d

Injection Date: 15-Mar-2014 01:58:00 Instrument ID: CICK Operator ID:

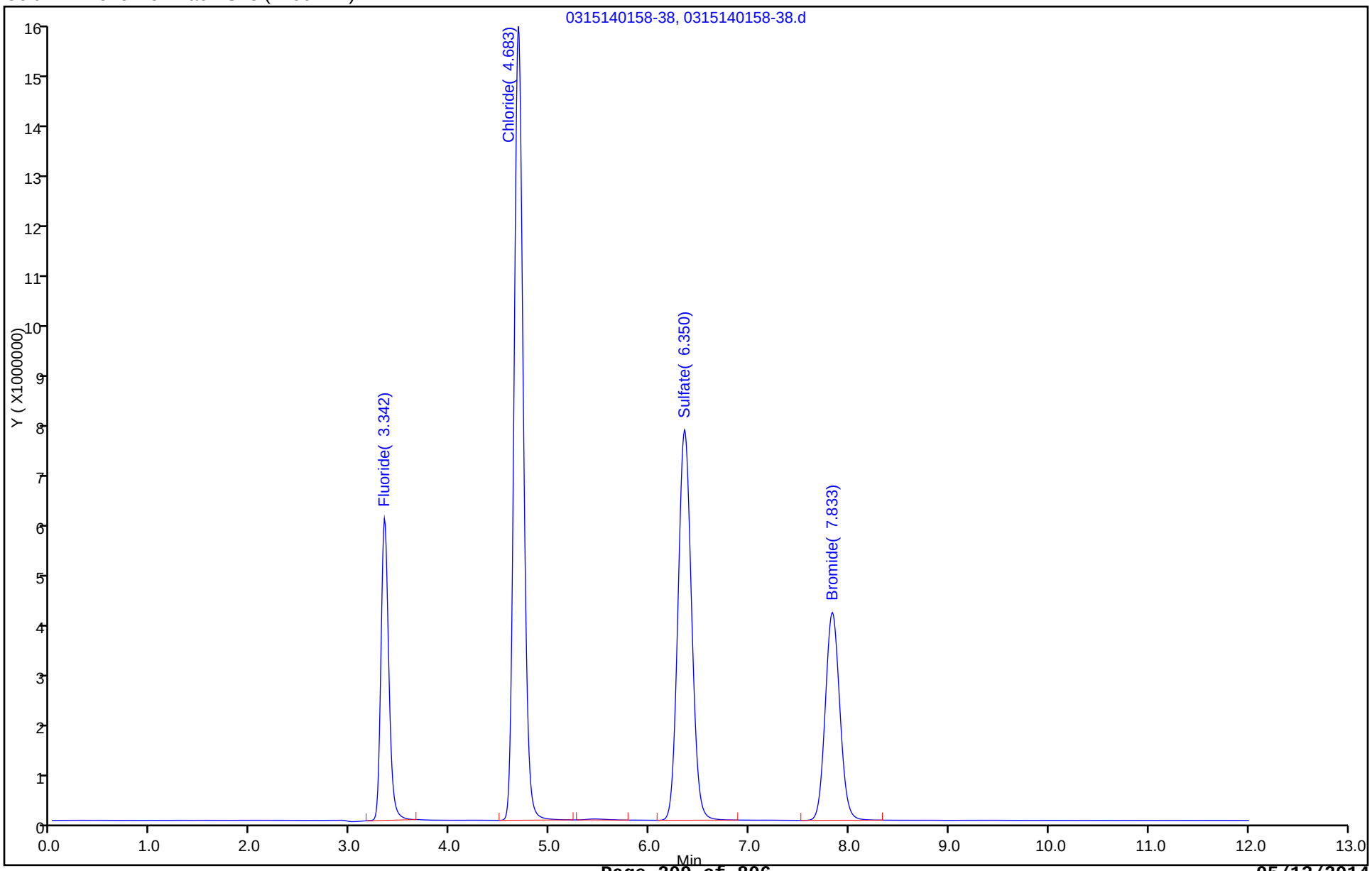
Lims ID: CCV Worklist Smp#: 33

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319823/47 Calibration Date: 03/15/2014 05:33

Instrument ID: CICK Calib Start Date: 03/14/2014 17:48

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/14/2014 19:20

Lab File ID: 0315140533-52.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		31329158		1.05	1.00	5.2	10.0
Chloride	Lin1		21947521		5.67	5.00	13.3*	10.0
Sulfate	Lin2		14051402		5.16	5.00	3.2	10.0
Bromide	Lin1		8010163		4.98	5.00	-0.4	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319823/47 Calibration Date: 03/15/2014 05:33

Instrument ID: CICK Calib Start Date: 03/14/2014 17:48

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/14/2014 19:20

Lab File ID: 0315140533-52.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.33	3.08	3.58
Chloride	4.68	4.43	4.93
Sulfate	6.35	6.10	6.60
Bromide	7.82	7.57	8.07

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140533-52.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	15-Mar-2014 05:33:00	ALS Bottle#:	0	Worklist Smp#:	47
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-5 2K031414 1K082812A				
Misc. Info.:	26939				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:32	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.333	0.0	31329158	1.05	
2 Chloride	4.675	4.675	0.0	109737604	5.67	
3 Sulfate	6.350	6.350	0.0	70257008	5.16	
4 Bromide	7.817	7.817	0.0	40050813	4.98	

Report Date: 17-Mar-2014 07:59:32 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140533-52.d

Injection Date: 15-Mar-2014 05:33:00 Instrument ID: CICK Operator ID:

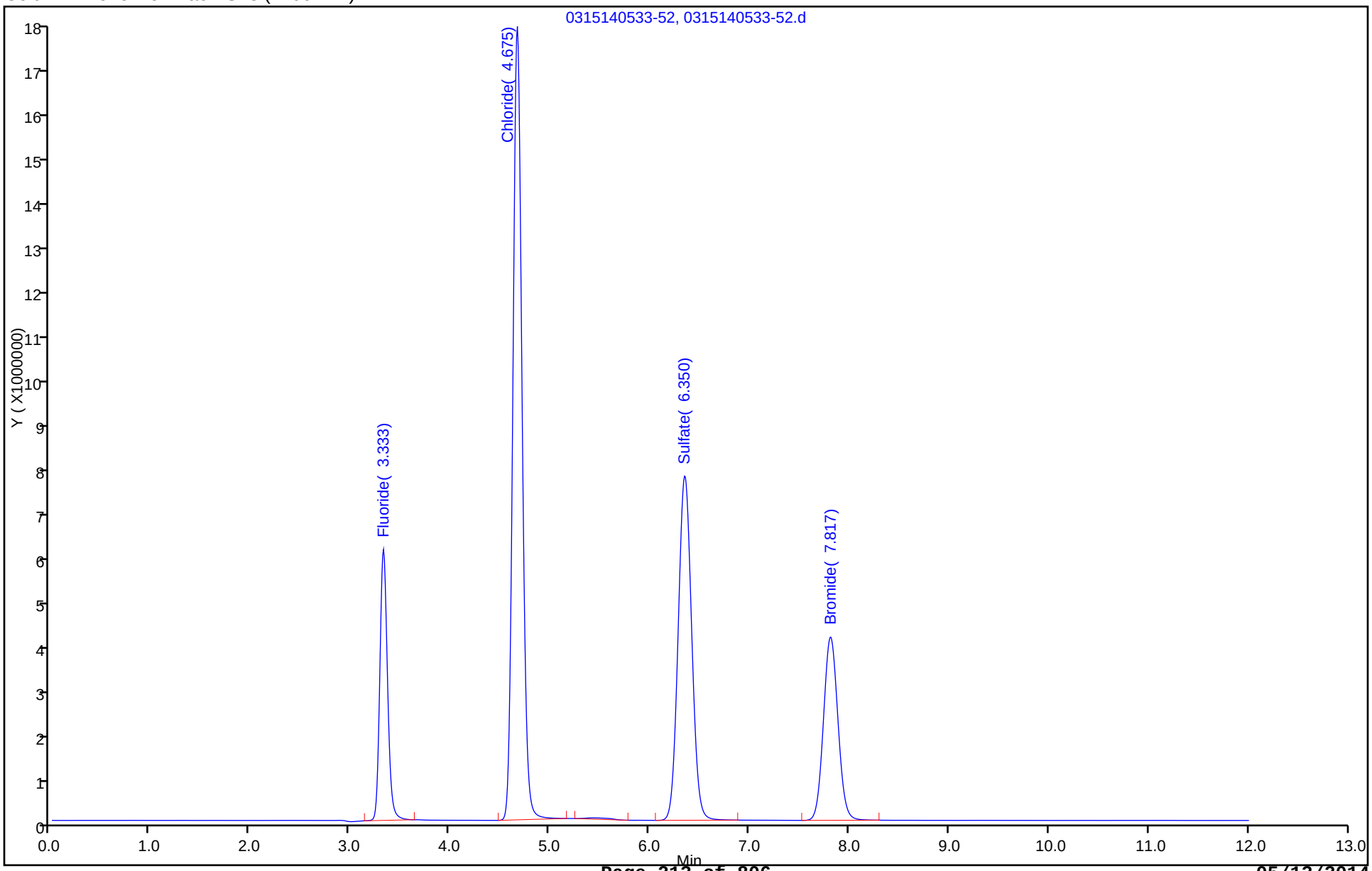
Lims ID: CCV Worklist Smp#: 47

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319854/1 Calibration Date: 03/17/2014 07:41

Instrument ID: CICK Calib Start Date: 03/16/2014 11:29

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/16/2014 13:01

Lab File ID: 0317140741-5.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		33671504		2.21	2.00	10.3*	10.0
Chloride	Lin1		20074818		10.2	10.0	2.2	10.0
Sulfate	Lin2		13845971		9.95	10.0	-0.5	10.0
Bromide	Lin1		8147916		9.87	10.0	-1.3	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319854/1 Calibration Date: 03/17/2014 07:41

Instrument ID: CICK Calib Start Date: 03/16/2014 11:29

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/16/2014 13:01

Lab File ID: 0317140741-5.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.33	3.08	3.58
Chloride	4.67	4.42	4.92
Sulfate	6.33	6.08	6.58
Bromide	7.78	7.53	8.03

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICK\20140317-7201.b\0317140741-5.d
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 17-Mar-2014 07:41:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: IC_ANION-5 1K031714 1K082812A
Operator ID: Instrument ID: CICK
Sublist: chrom-300.0_9056A_CICK*sub1

Method: \\SAVCHROM\ChromData\CICK\20140317-7201.b\300.0_9056A_CICK.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 17-Mar-2014 15:09:11 Calib Date: 16-Mar-2014 13:01:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d

Column 1 : Dionex Ion Pac AS18 (4.00 mm) Det: 0118131406-12
Process Host: XAWRK021

First Level Reviewer: brazellc Date: 17-Mar-2014 12:07:35

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.325	0.0	67343007	2.21	
2 Chloride	4.667	4.667	0.0	200748181	10.2	
3 Sulfate	6.333	6.333	0.0	138459705	9.95	
4 Bromide	7.775	7.775	0.0	81479164	9.87	

Report Date: 17-Mar-2014 15:09:11 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7201.b\0317140741-5.d

Injection Date: 17-Mar-2014 07:41:00 Instrument ID: CICK Operator ID:

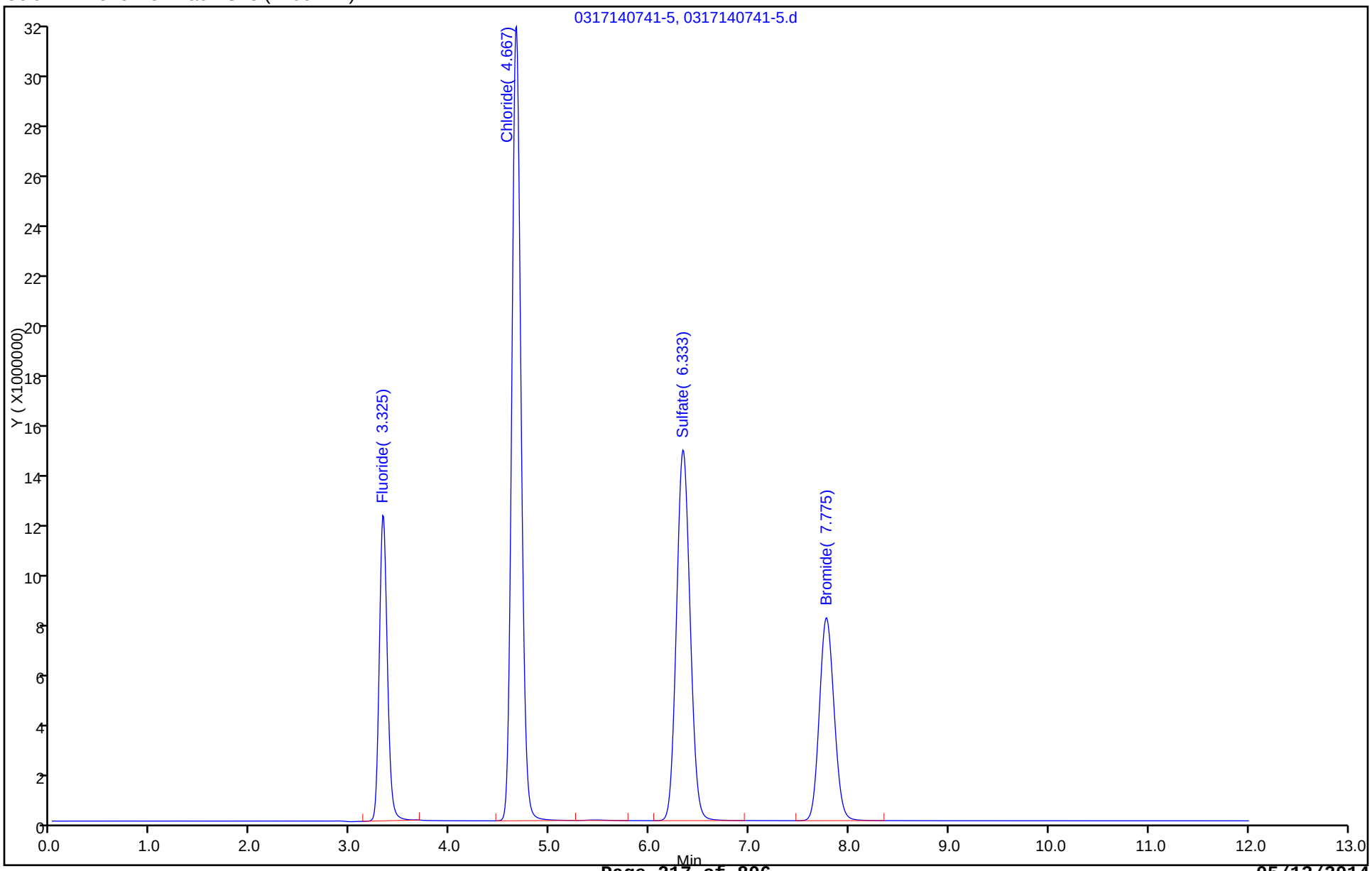
Lims ID: CCV Worklist Smp#: 1

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319854/16 Calibration Date: 03/17/2014 11:31

Instrument ID: CICK Calib Start Date: 03/16/2014 11:29

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/16/2014 13:01

Lab File ID: 0317141131-20.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		33912961		2.22	2.00	11.1*	10.0
Chloride	Lin1		20152031		10.3	10.0	2.6	10.0
Sulfate	Lin2		13913290		10.0	10.0	-0.0	10.0
Bromide	Lin1		8169948		9.90	10.0	-1.0	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319854/16 Calibration Date: 03/17/2014 11:31

Instrument ID: CICK Calib Start Date: 03/16/2014 11:29

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/16/2014 13:01

Lab File ID: 0317141131-20.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.33	3.08	3.58
Chloride	4.67	4.42	4.92
Sulfate	6.34	6.09	6.59
Bromide	7.79	7.54	8.04

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317141131-20.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	17-Mar-2014 11:31:00	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-5 1K031714 1K082812A				
Misc. Info.:	28349				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:09:16	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				
First Level Reviewer: brazellc		Date:	17-Mar-2014 12:17:06		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.333	0.0	67825921	2.22	
2 Chloride	4.667	4.667	0.0	201520305	10.3	
3 Sulfate	6.342	6.342	0.0	139132895	10.0	
4 Bromide	7.792	7.792	0.0	81699475	9.90	

Report Date: 17-Mar-2014 15:09:16 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7201.b\0317141131-20.d

Injection Date: 17-Mar-2014 11:31:00 Instrument ID: CICK Operator ID:

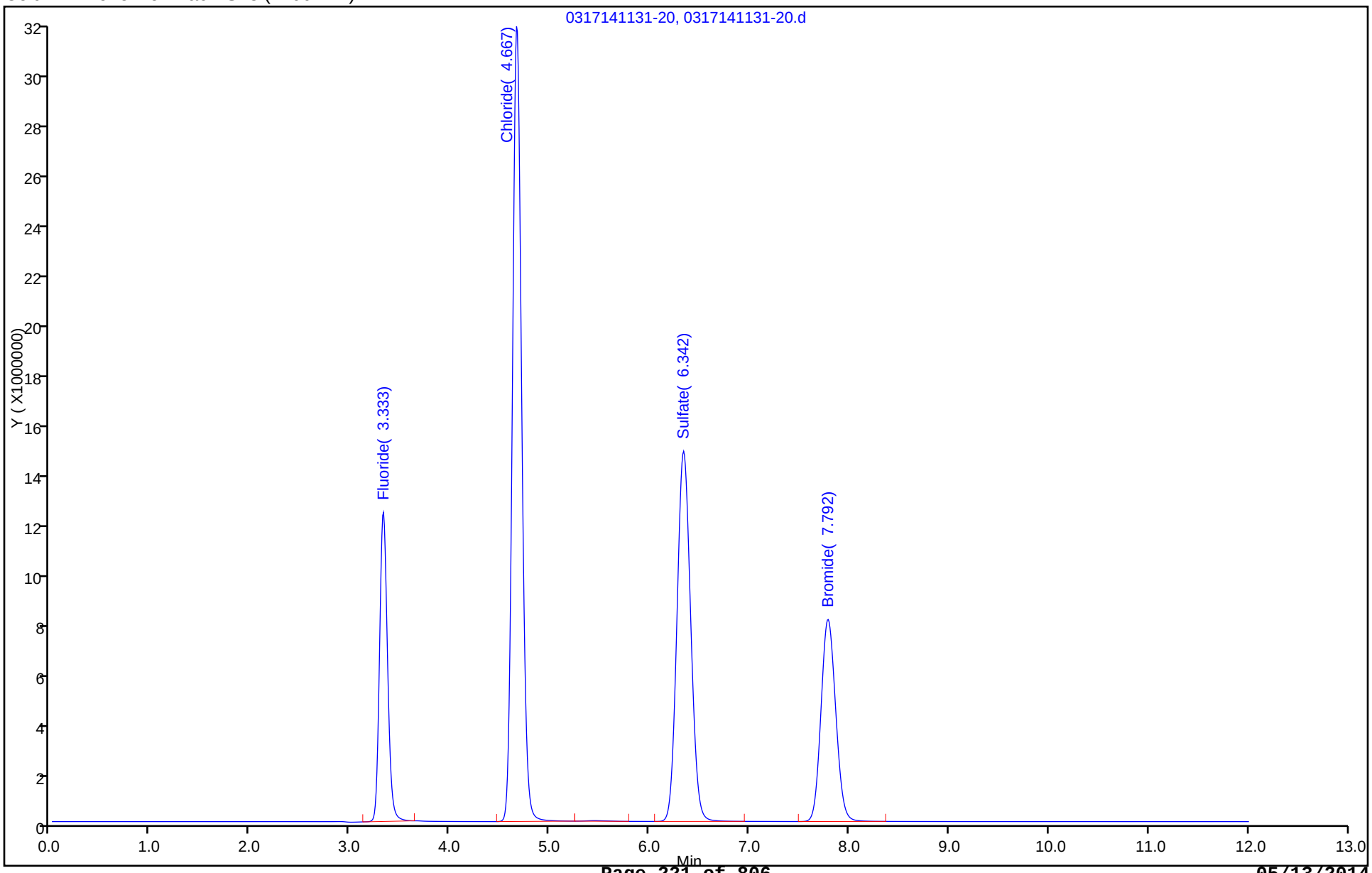
Lims ID: CCV Worklist Smp#: 16

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319854/27 Calibration Date: 03/17/2014 14:19

Instrument ID: CICK Calib Start Date: 03/16/2014 11:29

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/16/2014 13:01

Lab File ID: 0317141419-31.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		33952999		2.22	2.00	11.2*	10.0
Chloride	Lin1		20131680		10.3	10.0	2.5	10.0
Sulfate	Lin2		14112765		10.1	10.0	1.4	10.0
Bromide	Lin1		8204749		9.94	10.0	-0.6	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319854/27 Calibration Date: 03/17/2014 14:19

Instrument ID: CICK Calib Start Date: 03/16/2014 11:29

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/16/2014 13:01

Lab File ID: 0317141419-31.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.33	3.08	3.58
Chloride	4.68	4.43	4.93
Sulfate	6.35	6.10	6.60
Bromide	7.81	7.56	8.06

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317141419-31.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	17-Mar-2014 14:19:00	ALS Bottle#:	0	Worklist Smp#:	27
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-5 2K031714 1K082812A				
Misc. Info.:	22139				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:09:17	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.333	0.0	67905997	2.22	
2 Chloride	4.675	4.675	0.0	201316801	10.3	
3 Sulfate	6.350	6.350	0.0	141127646	10.1	
4 Bromide	7.808	7.808	0.0	82047488	9.94	

Report Date: 17-Mar-2014 15:09:17 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7201.b\0317141419-31.d

Injection Date: 17-Mar-2014 14:19:00 Instrument ID: CICK Operator ID:

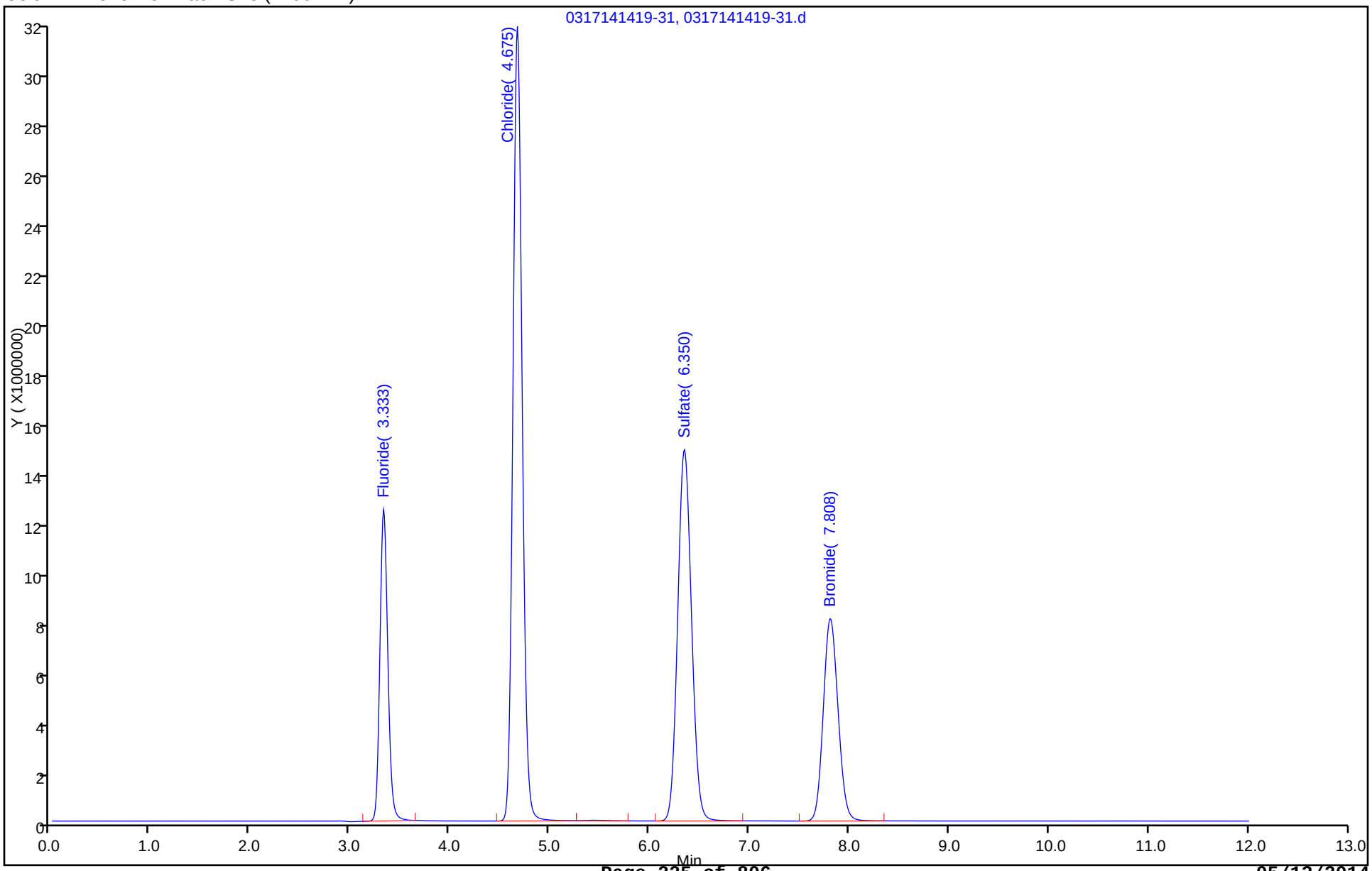
Lims ID: CCV Worklist Smp#: 27

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-320146/1 Calibration Date: 03/18/2014 12:33

Instrument ID: CICK Calib Start Date: 03/16/2014 11:29

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/16/2014 13:01

Lab File ID: 0318141233-5.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		33445596		2.19	2.00	9.6	10.0
Chloride	Lin1		19856924		10.1	10.0	1.1	10.0
Sulfate	Lin2		13630052		9.80	10.0	-2.0	10.0
Bromide	Lin1		8028131		9.73	10.0	-2.7	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-320146/1 Calibration Date: 03/18/2014 12:33

Instrument ID: CICK Calib Start Date: 03/16/2014 11:29

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/16/2014 13:01

Lab File ID: 0318141233-5.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.34	3.09	3.59
Chloride	4.68	4.43	4.93
Sulfate	6.35	6.10	6.60
Bromide	7.79	7.54	8.04

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140318-7258.b\0318141233-5.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	18-Mar-2014 12:33:00	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_Anion-5 1K031814 1K082812A				
Misc. Info.:	5 3492611				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140318-7258.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 14:40:10	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK052				
First Level Reviewer: brazellc		Date:	18-Mar-2014 13:26:41		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.342	3.342	0.0	66891191	2.19	
2 Chloride	4.675	4.675	0.0	198569235	10.1	
3 Sulfate	6.350	6.350	0.0	136300518	9.80	
4 Bromide	7.792	7.792	0.0	80281310	9.73	

Report Date: 18-Mar-2014 14:40:10 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140318-7258.b\0318141233-5.d

Injection Date: 18-Mar-2014 12:33:00 Instrument ID: CICK Operator ID:

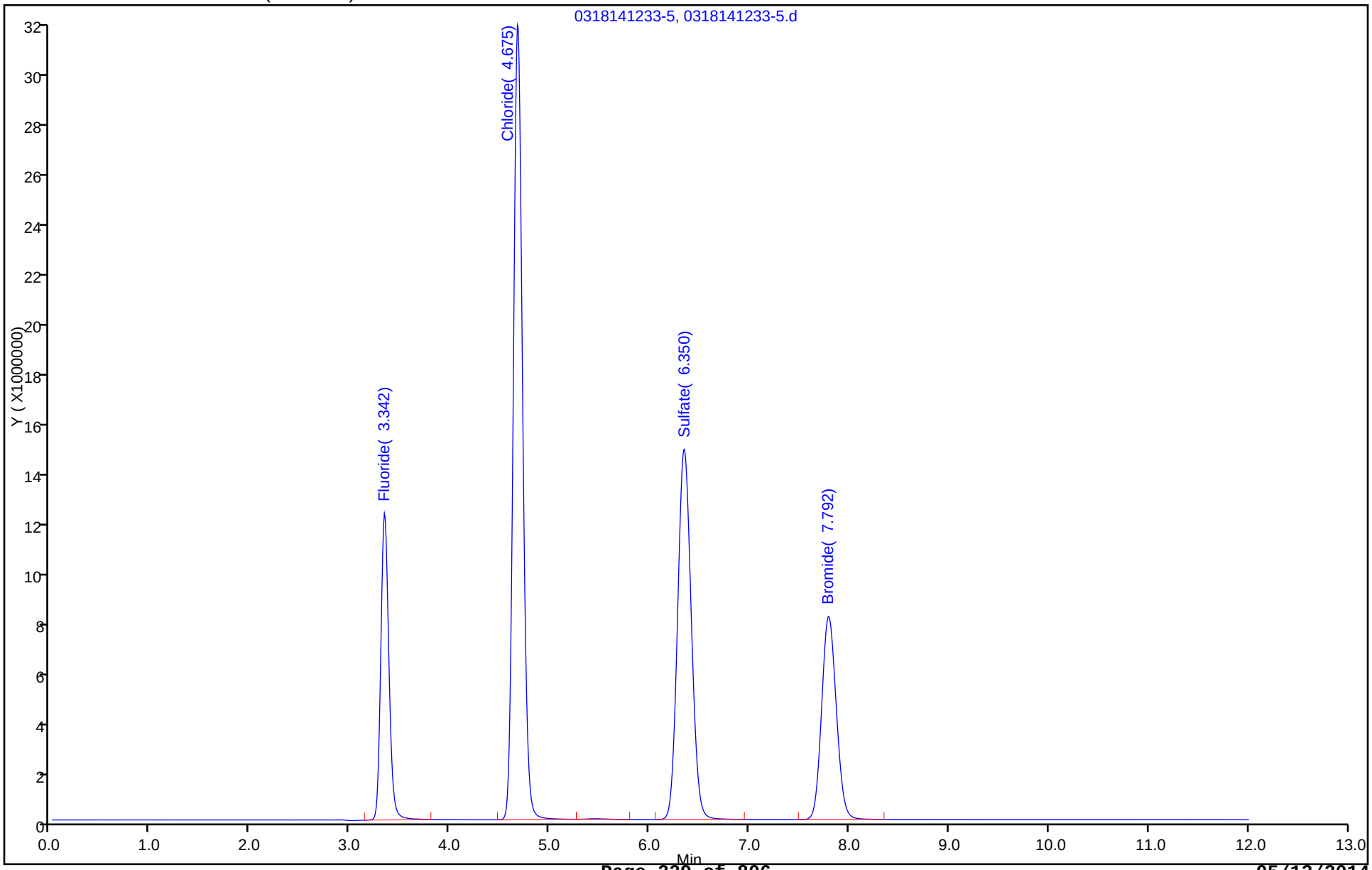
Lims ID: CCV Worklist Smp#: 1

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-320146/6 Calibration Date: 03/18/2014 14:02

Instrument ID: CICK Calib Start Date: 03/16/2014 11:29

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/16/2014 13:01

Lab File ID: 0318141402-10.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		33543578		2.20	2.00	9.9	10.0
Chloride	Lin1		19998045		10.2	10.0	1.8	10.0
Sulfate	Lin2		13634202		9.80	10.0	-2.0	10.0
Bromide	Lin1		8070699		9.78	10.0	-2.2	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-320146/6 Calibration Date: 03/18/2014 14:02

Instrument ID: CICK Calib Start Date: 03/16/2014 11:29

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 03/16/2014 13:01

Lab File ID: 0318141402-10.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.34	3.09	3.59
Chloride	4.68	4.43	4.93
Sulfate	6.37	6.12	6.62
Bromide	7.80	7.55	8.05

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140318-7258.b\0318141402-10.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	18-Mar-2014 14:02:00	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-5 1K031814 1K082812A				
Misc. Info.:	1161				
Operator ID:		Instrument ID:	CICK		
Sublist:	chrom-300.0_9056A_CICK*sub1				
Method:	\\SAVCHROM\ChromData\CICK\20140318-7258.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 14:44:01	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK052				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.342	3.342	0.0	67087155	2.20	
2 Chloride	4.683	4.683	0.0	199980451	10.2	
3 Sulfate	6.367	6.367	0.0	136342019	9.80	
4 Bromide	7.800	7.800	0.0	80706987	9.78	

Report Date: 18-Mar-2014 14:44:01 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140318-7258.b\0318141402-10.d

Injection Date: 18-Mar-2014 14:02:00 Instrument ID: CICK Operator ID:

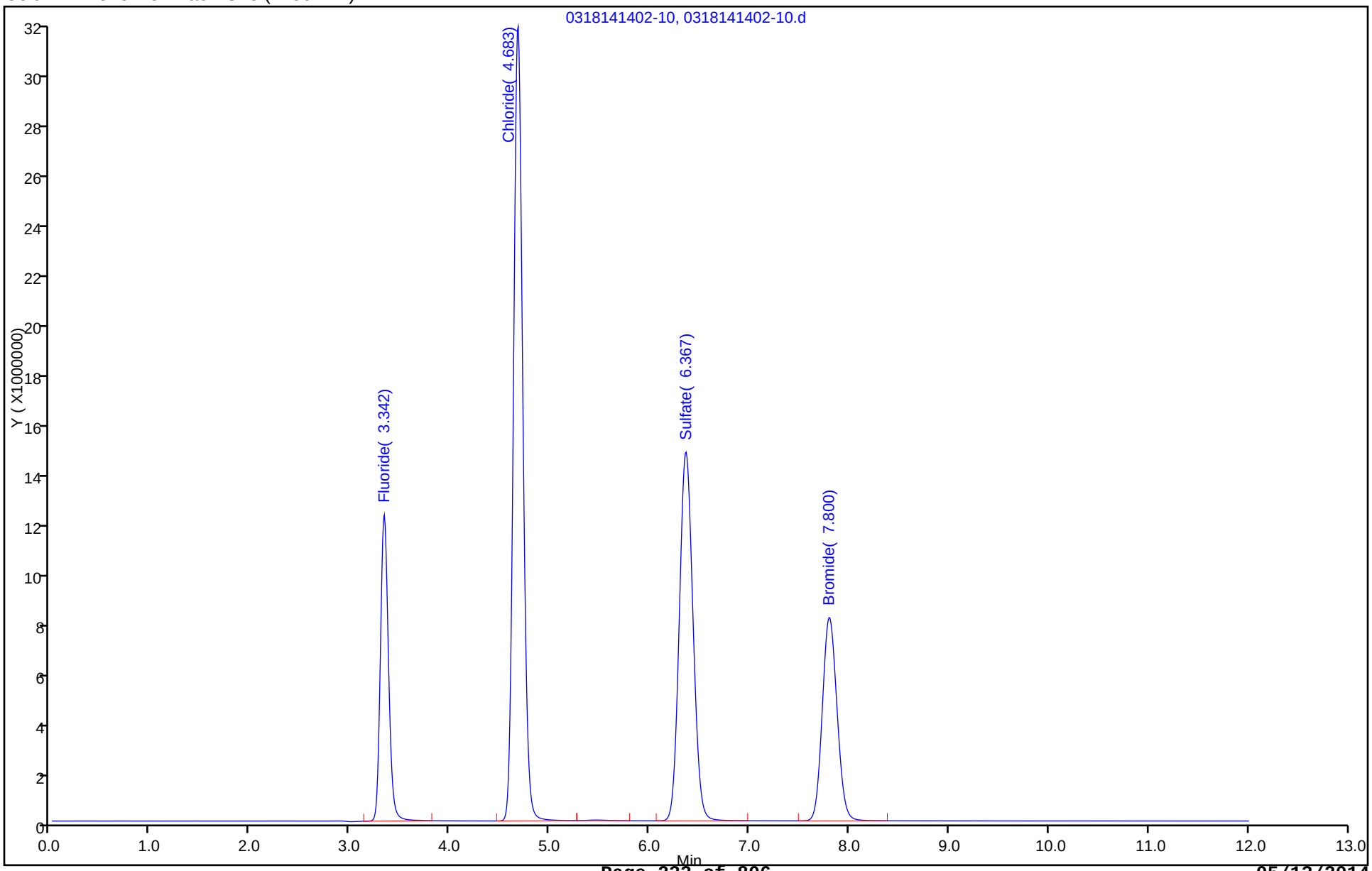
Lims ID: CCV Worklist Smp#: 6

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: ICV 680-317700/9 Calibration Date: 02/28/2014 06:51

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0228140651-82.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		36983976		2.04	2.00	2.2	10.0
Chloride	Lin2		21982077		9.97	10.0	-0.3	10.0
Sulfate	Lin2		16805763		10.1	10.0	1.3	10.0
Bromide	Lin2		9394454		10.1	10.0	0.8	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: ICV 680-317700/9 Calibration Date: 02/28/2014 06:51

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0228140651-82.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.19	2.94	3.44
Chloride	4.42	4.18	4.68
Sulfate	5.98	5.74	6.24
Bromide	7.23	7.00	7.50

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140651-82.d				
Lims ID:	ICV	Lab Sample ID:	ICV 680-317700/9-A		
Client ID:					
Sample Type:	ICV				
Inject. Date:	28-Feb-2014 06:51:00	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ICV 1L022714 connie				
Misc. Info.:	4881 3471870				
Operator ID:		Instrument ID:	CICL		
Sublist:					
Method:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	28-Feb-2014 12:40:28	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

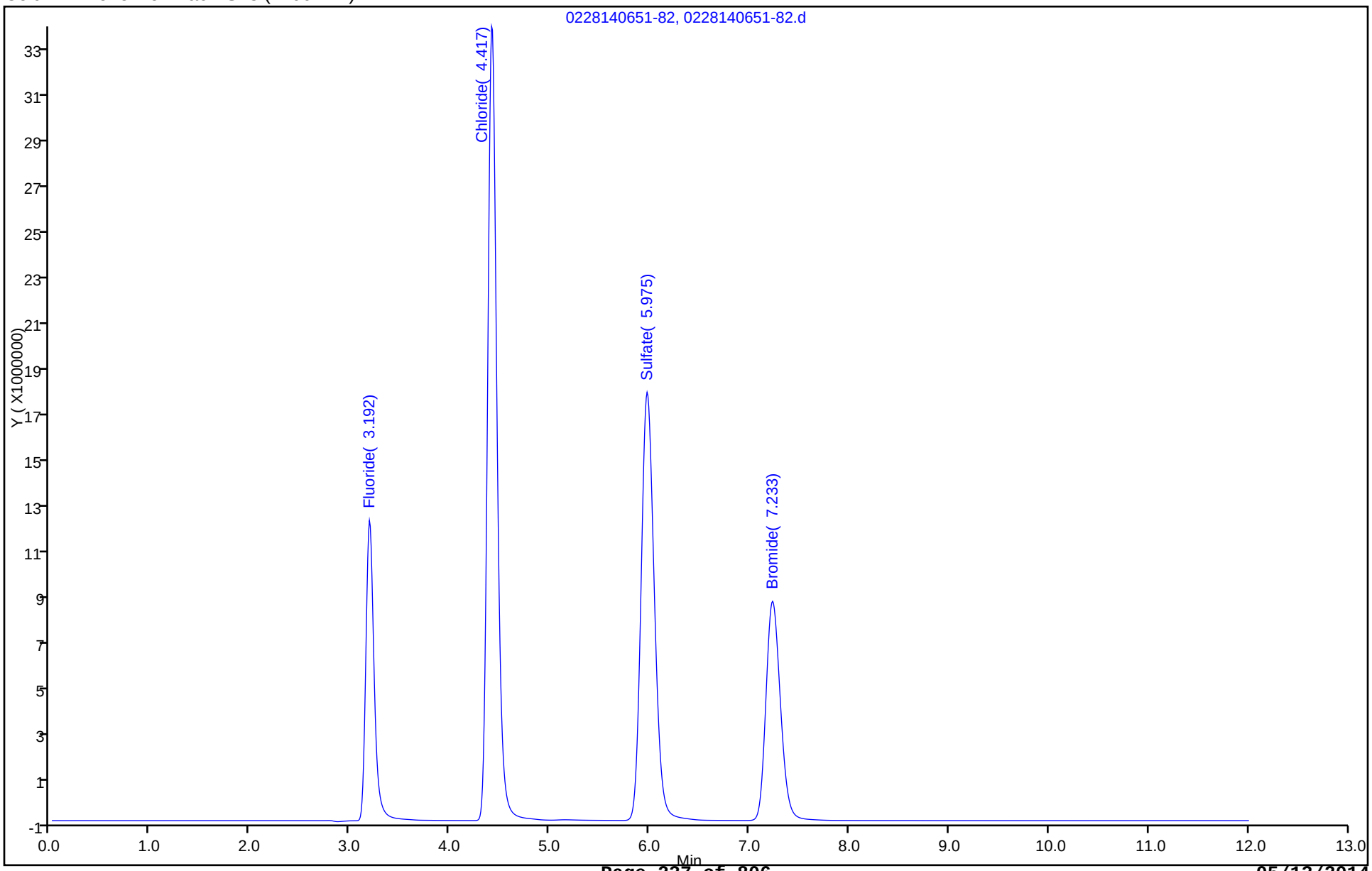
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.192	0.0	73967952	2.04	
2 Chloride	4.417	4.425	-0.008	219820771	9.97	
3 Sulfate	5.975	5.992	-0.017	168057625	10.1	
4 Bromide	7.233	7.250	-0.017	93944544	10.1	

Report Date: 28-Feb-2014 12:40:29 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140651-82.d				
Injection Date:	28-Feb-2014 06:51:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	ICV	Lab Sample ID:	ICV 680-317700/9-A	Worklist Smp#:	9
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319868/1 Calibration Date: 03/17/2014 07:51

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0317140751-4.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		37183698		2.05	2.00	2.7	10.0
Chloride	Lin2		21864032		9.92	10.0	-0.8	10.0
Sulfate	Lin2		16678981		10.1	10.0	0.5	10.0
Bromide	Lin2		9419456		10.1	10.0	1.1	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319868/1 Calibration Date: 03/17/2014 07:51

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0317140751-4.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.20	2.95	3.45
Chloride	4.42	4.17	4.67
Sulfate	5.96	5.71	6.21
Bromide	7.20	6.95	7.45

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317140751-4.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	17-Mar-2014 07:51:00	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L031714 connie				
Misc. Info.:	4 3452064				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:45:27	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK021				
First Level Reviewer: brazellc		Date:	17-Mar-2014 11:45:03		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	74367396	2.05	
2 Chloride	4.417	4.417	0.0	218640316	9.92	
3 Sulfate	5.958	5.958	0.0	166789811	10.1	
4 Bromide	7.200	7.200	0.0	94194555	10.1	

Report Date: 17-Mar-2014 15:45:27 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140317-7209.b\0317140751-4.d

Injection Date: 17-Mar-2014 07:51:00 Instrument ID: CICL Operator ID:

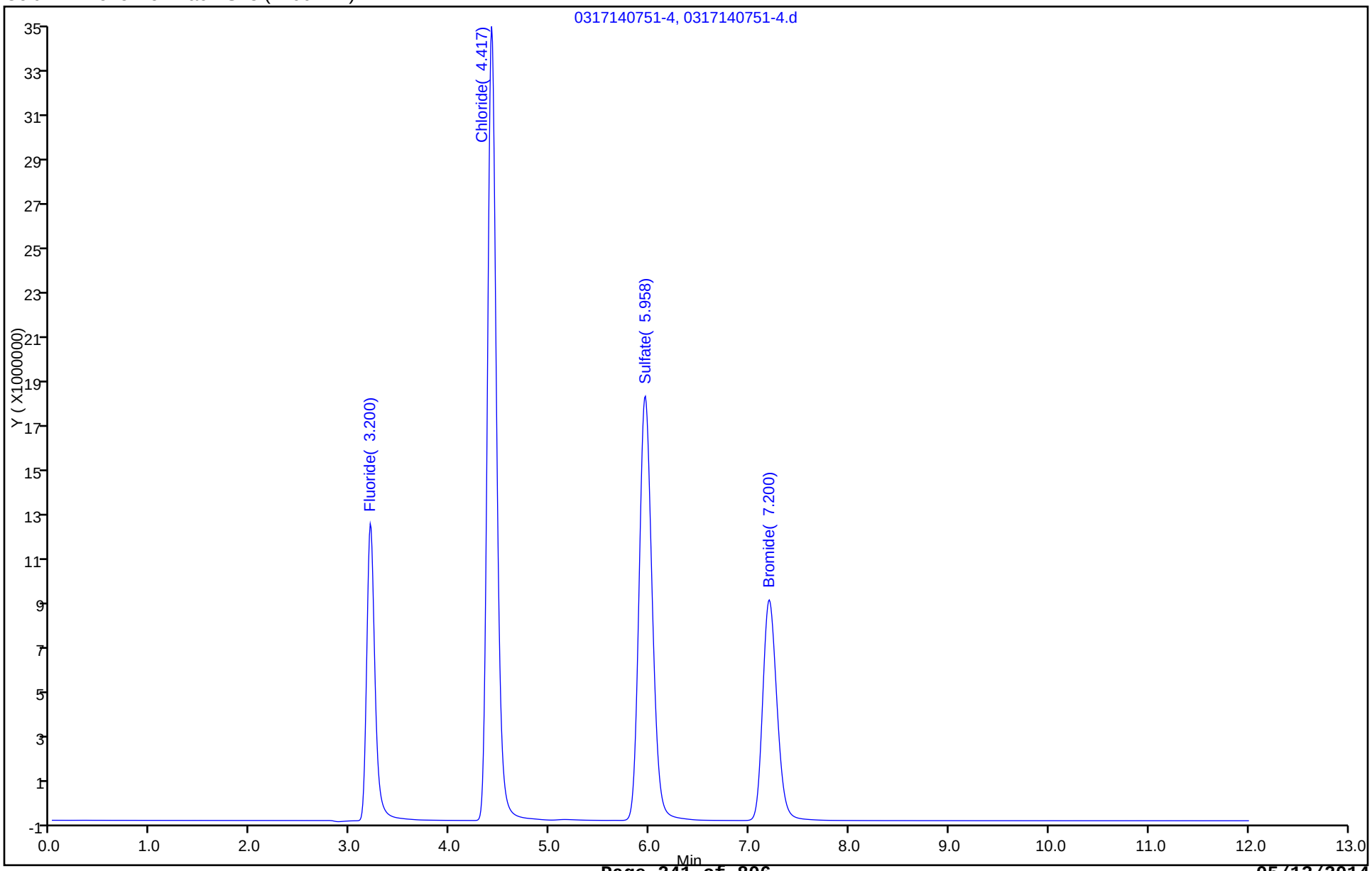
Lims ID: CCV Worklist Smp#: 1

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319868/15 Calibration Date: 03/17/2014 11:20

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0317141120-18.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		36923702		2.04	2.00	2.0	10.0
Chloride	Lin2		21976197		9.97	10.0	-0.3	10.0
Sulfate	Lin2		16258340		9.80	10.0	-2.0	10.0
Bromide	Lin2		9461341		10.1	10.0	1.5	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319868/15 Calibration Date: 03/17/2014 11:20

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0317141120-18.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.21	2.96	3.46
Chloride	4.42	4.17	4.67
Sulfate	5.96	5.71	6.21
Bromide	7.21	6.96	7.46

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141120-18.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	17-Mar-2014 11:20:00	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L031714 connie				
Misc. Info.:	7470				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:45:31	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK021				
First Level Reviewer: brazellc		Date:	17-Mar-2014 12:18:17		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.208	3.208	0.0	73847404	2.04	
2 Chloride	4.417	4.417	0.0	219761965	9.97	
3 Sulfate	5.958	5.958	0.0	162583400	9.80	
4 Bromide	7.208	7.208	0.0	94613410	10.1	

Report Date: 17-Mar-2014 15:45:31 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141120-18.d

Injection Date: 17-Mar-2014 11:20:00 Instrument ID: CICL Operator ID:

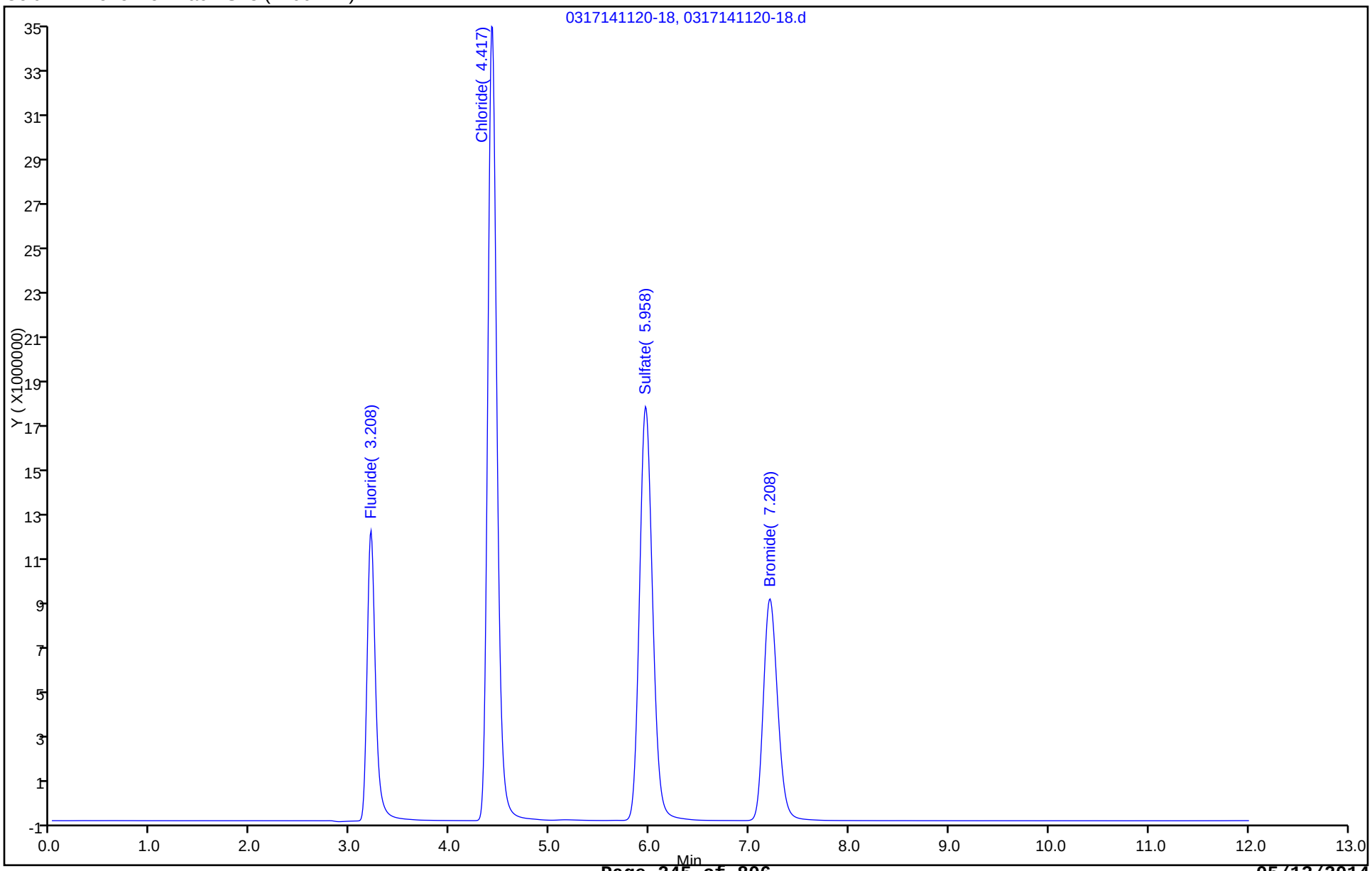
Lims ID: CCV Worklist Smp#: 15

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319868/27 Calibration Date: 03/17/2014 14:13

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0317141413-30.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		36981108		2.04	2.00	2.1	10.0
Chloride	Lin2		21774898		9.88	10.0	-1.2	10.0
Sulfate	Lin2		16365965		9.86	10.0	-1.4	10.0
Bromide	Lin2		9368120		10.1	10.0	0.5	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-320074/27 Calibration Date: 03/17/2014 14:13

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0317141413-30.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		36981108		2.04	2.00	2.1	10.0
Chloride	Lin2		21774898		9.88	10.0	-1.2	10.0
Sulfate	Lin2		16365965		9.86	10.0	-1.4	10.0
Bromide	Lin2		9368120		10.1	10.0	0.5	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-319868/27 Calibration Date: 03/17/2014 14:13

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0317141413-30.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.21	2.96	3.46
Chloride	4.43	4.18	4.68
Sulfate	5.96	5.71	6.21
Bromide	7.21	6.96	7.46

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-320074/27 Calibration Date: 03/17/2014 14:13

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0317141413-30.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.21	2.96	3.46
Chloride	4.43	4.18	4.68
Sulfate	5.96	5.71	6.21
Bromide	7.21	6.96	7.46

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141413-30.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	17-Mar-2014 14:13:00	ALS Bottle#:	0	Worklist Smp#:	27
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 2L031714 connie				
Misc. Info.:	25809				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:25	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.208	3.208	0.0	73962215	2.04	
2 Chloride	4.425	4.425	0.0	217748982	9.88	
3 Sulfate	5.958	5.958	0.0	163659653	9.86	
4 Bromide	7.208	7.208	0.0	93681199	10.1	

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141413-30.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	17-Mar-2014 14:13:00	ALS Bottle#:	0	Worklist Smp#:	27
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 2L031714 connie				
Misc. Info.:	25809				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:25	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.208	3.208	0.0	73962215	2.04	
2 Chloride	4.425	4.425	0.0	217748982	9.88	
3 Sulfate	5.958	5.958	0.0	163659653	9.86	
4 Bromide	7.208	7.208	0.0	93681199	10.1	

Report Date: 18-Mar-2014 09:36:25 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141413-30.d

Injection Date: 17-Mar-2014 14:13:00 Instrument ID: CICL Operator ID:

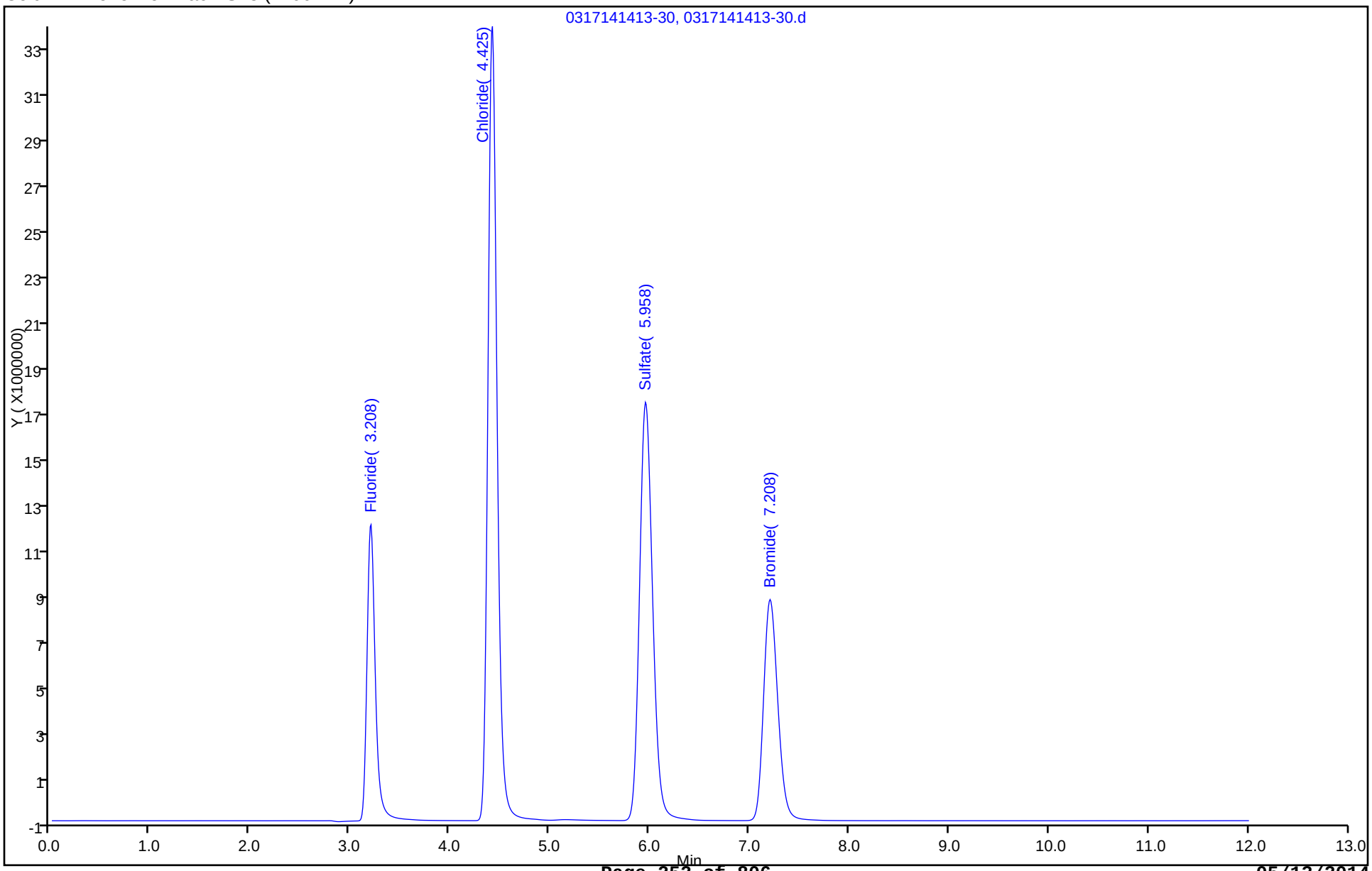
Lims ID: CCV Worklist Smp#: 27

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



Report Date: 18-Mar-2014 09:36:26 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141413-30.d

Injection Date: 17-Mar-2014 14:13:00 Instrument ID: CICL Operator ID:

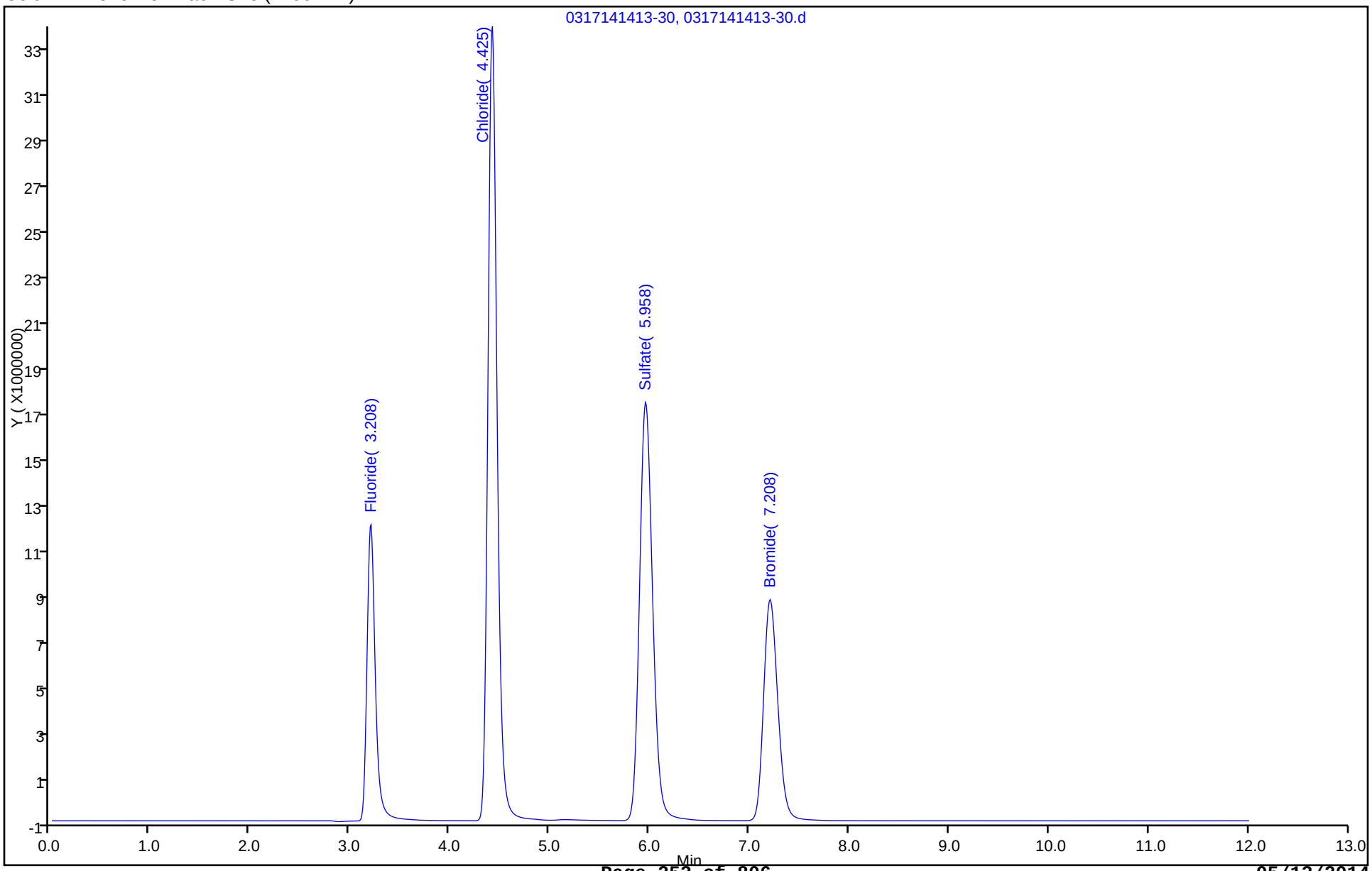
Lims ID: CCV Worklist Smp#: 27

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-320074/41 Calibration Date: 03/17/2014 17:34

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0317141734-44.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		37156797		2.05	2.00	2.6	10.0
Chloride	Lin2		21824199		9.90	10.0	-1.0	10.0
Sulfate	Lin2		16399652		9.88	10.0	-1.2	10.0
Bromide	Lin2		9374749		10.1	10.0	0.6	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-320074/41 Calibration Date: 03/17/2014 17:34

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0317141734-44.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.20	2.95	3.45
Chloride	4.43	4.18	4.68
Sulfate	5.96	5.71	6.21
Bromide	7.21	6.96	7.46

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141734-44.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	17-Mar-2014 17:34:00	ALS Bottle#:	0	Worklist Smp#:	41
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 2L031714 connie				
Misc. Info.:	1408				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:30	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	74313594	2.05	
2 Chloride	4.425	4.425	0.0	218241985	9.90	
3 Sulfate	5.958	5.958	0.0	163996520	9.88	
4 Bromide	7.208	7.208	0.0	93747493	10.1	

Report Date: 18-Mar-2014 09:36:30 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141734-44.d

Injection Date: 17-Mar-2014 17:34:00 Instrument ID: CICL Operator ID:

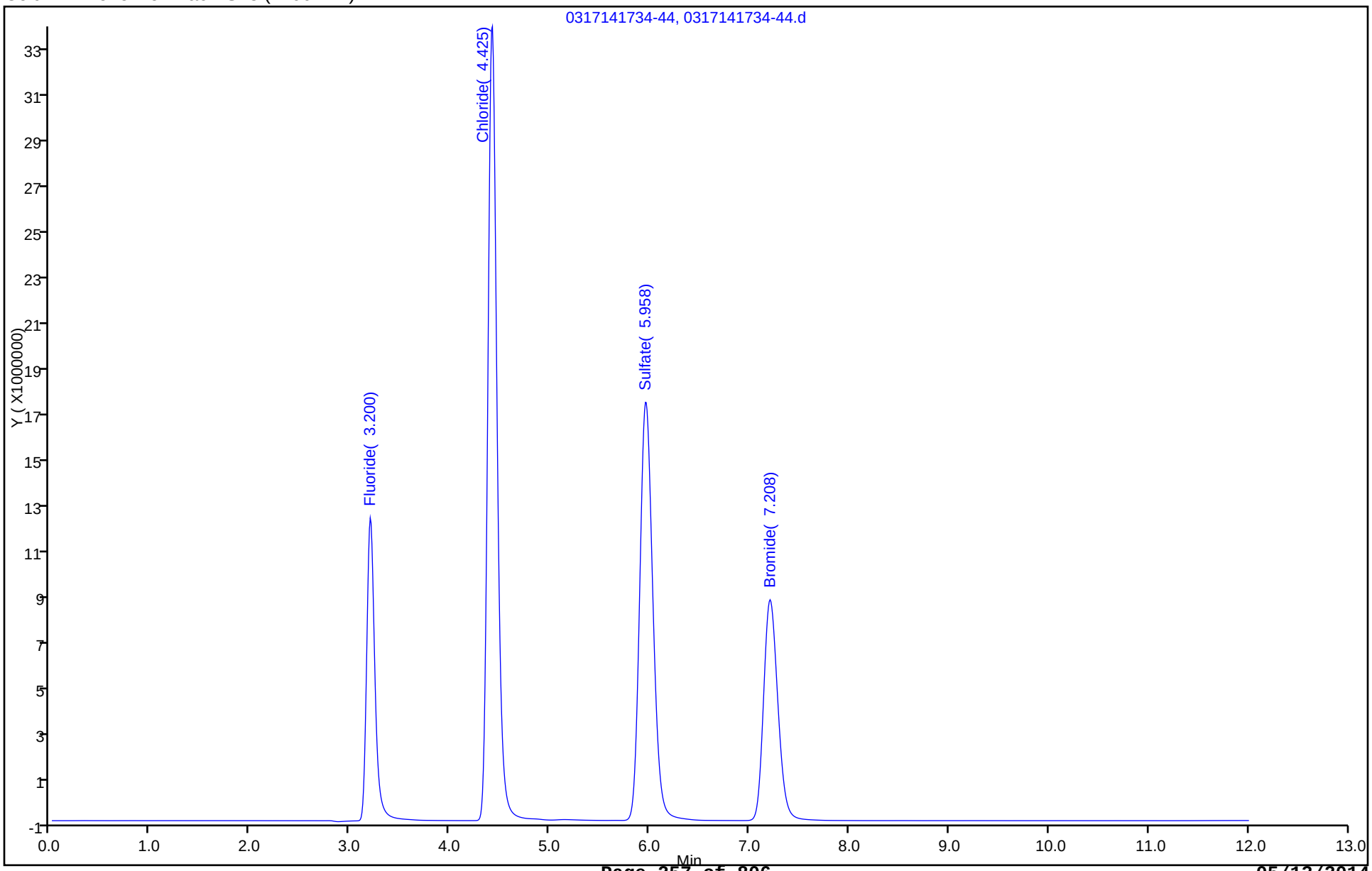
Lims ID: CCV Worklist Smp#: 41

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-320074/46 Calibration Date: 03/17/2014 18:47

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0317141847-49.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		37526113		2.07	2.00	3.6	10.0
Chloride	Lin2		22052247		10.0	10.0	0.0	10.0
Sulfate	Lin2		16631181		10.0	10.0	0.2	10.0
Bromide	Lin2		9458526		10.1	10.0	1.5	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-320074/46 Calibration Date: 03/17/2014 18:47

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0317141847-49.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.20	2.95	3.45
Chloride	4.43	4.18	4.68
Sulfate	5.97	5.72	6.22
Bromide	7.21	6.96	7.46

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141847-49.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	17-Mar-2014 18:47:00	ALS Bottle#:	0	Worklist Smp#:	46
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 2L031714 connie				
Misc. Info.:	9705				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:32	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	75052226	2.07	
2 Chloride	4.425	4.425	0.0	220522465	10.0	
3 Sulfate	5.967	5.967	0.0	166311807	10.0	
4 Bromide	7.208	7.208	0.0	94585256	10.1	

Report Date: 18-Mar-2014 09:36:32 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141847-49.d

Injection Date: 17-Mar-2014 18:47:00 Instrument ID: CICL Operator ID:

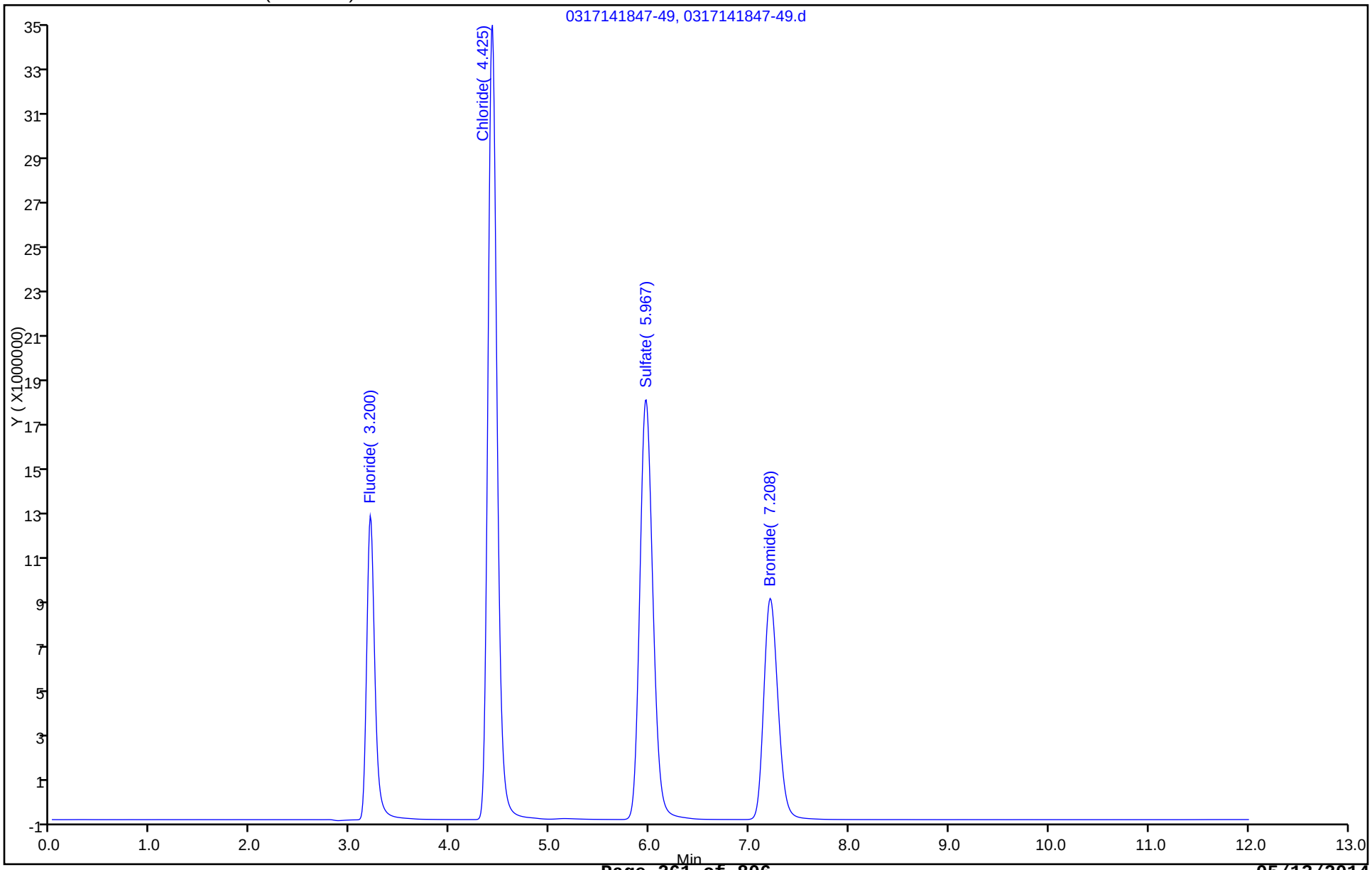
Lims ID: CCV Worklist Smp#: 46

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: Lab Sample ID: MB 680-319822/8

Matrix: Water Lab File ID: 0314141935-13.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/14/2014 19:35

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319822 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141935-13.d				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	14-Mar-2014 19:35:00	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 1K031414 1K082812A				
Misc. Info.:	13				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:20	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
2 Chloride	4.675	4.667	0.008	26387	0.1207	

Report Date: 17-Mar-2014 07:59:21 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141935-13.d

Injection Date: 14-Mar-2014 19:35:00 Instrument ID: CICK Operator ID:

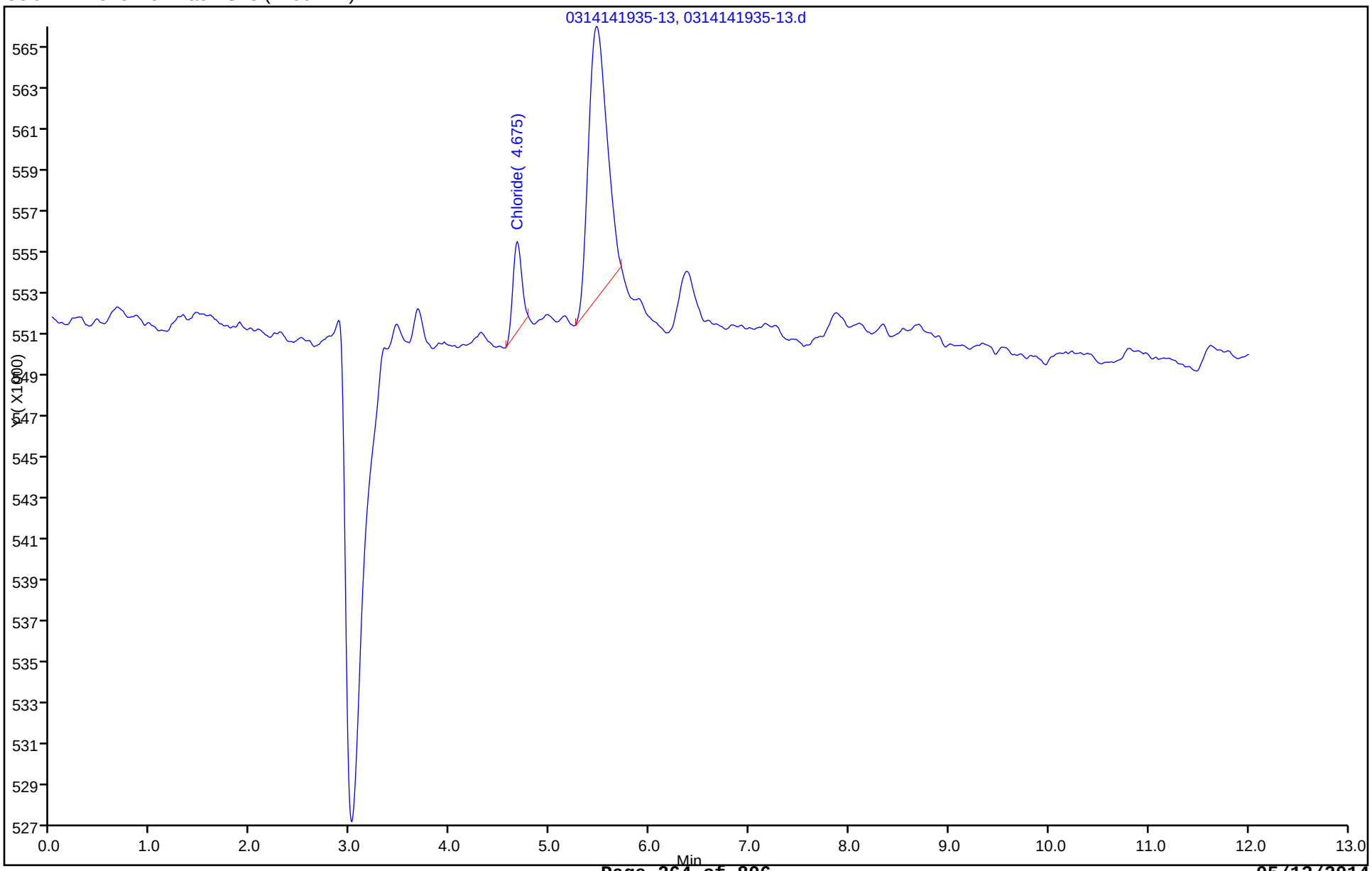
Lims ID: MB Worklist Smp#: 8

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: MB 680-319823/34
Matrix: Water
Lab File ID: 0315140214-39.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/15/2014 02:14
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319823
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140214-39.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	15-Mar-2014 02:14:00	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 2K031414 1K082812A				
Misc. Info.:	11493				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:28	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
2 Chloride	4.692	4.683	0.009	63031	0.1226	

Report Date: 17-Mar-2014 07:59:29 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140214-39.d

Injection Date: 15-Mar-2014 02:14:00 Instrument ID: CICK Operator ID:

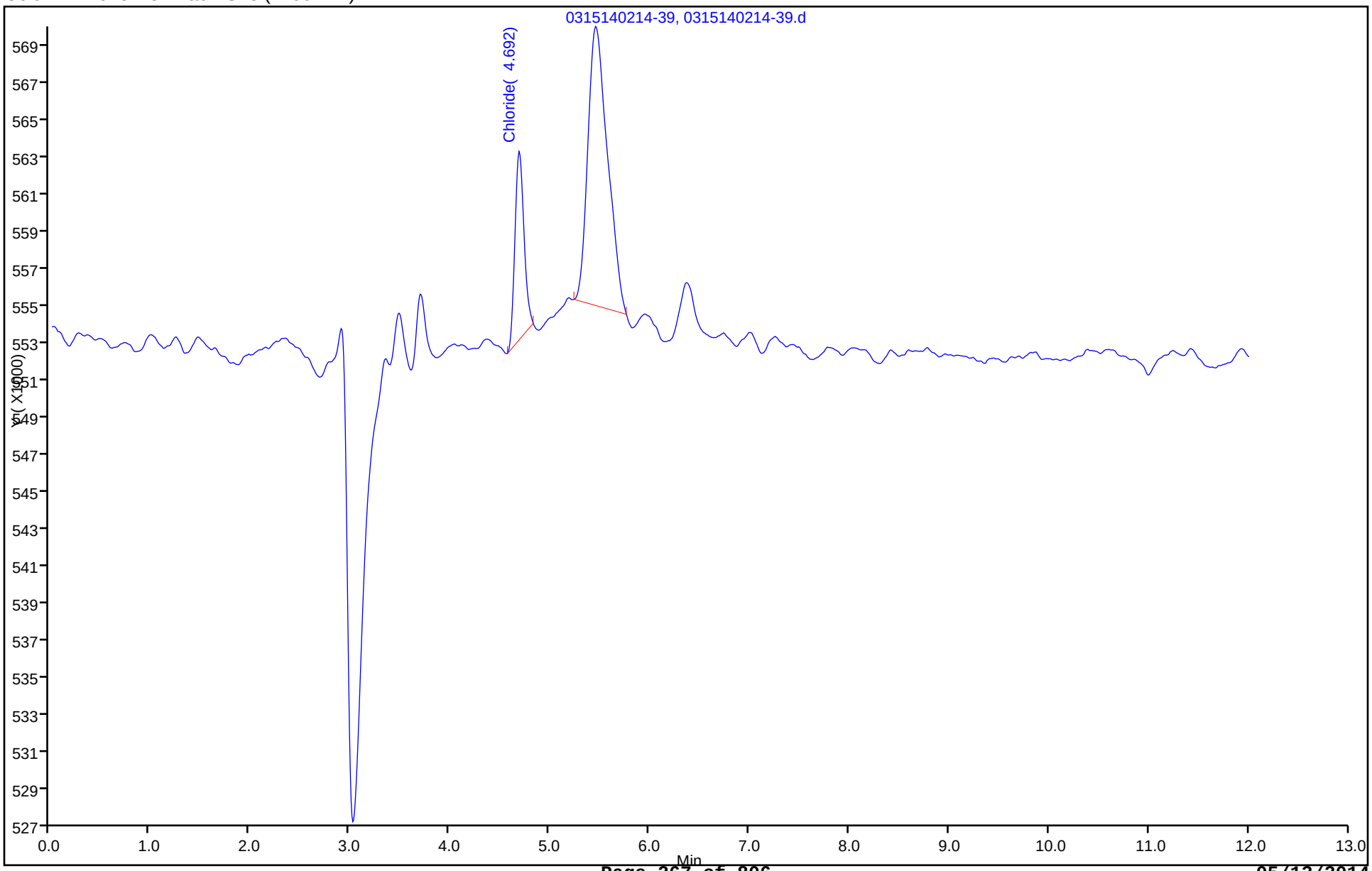
Lims ID: CCB Worklist Smp#: 34

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: MB 680-319854/2
Matrix: Water
Lab File ID: 0317140756-6.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/17/2014 07:56
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319854
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317140756-6.d				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	17-Mar-2014 07:56:00	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 1K031714 1K082812A				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:09:11	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 17-Mar-2014 15:09:11 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7201.b\0317140756-6.d

Injection Date: 17-Mar-2014 07:56:00 Instrument ID: CICK Operator ID:

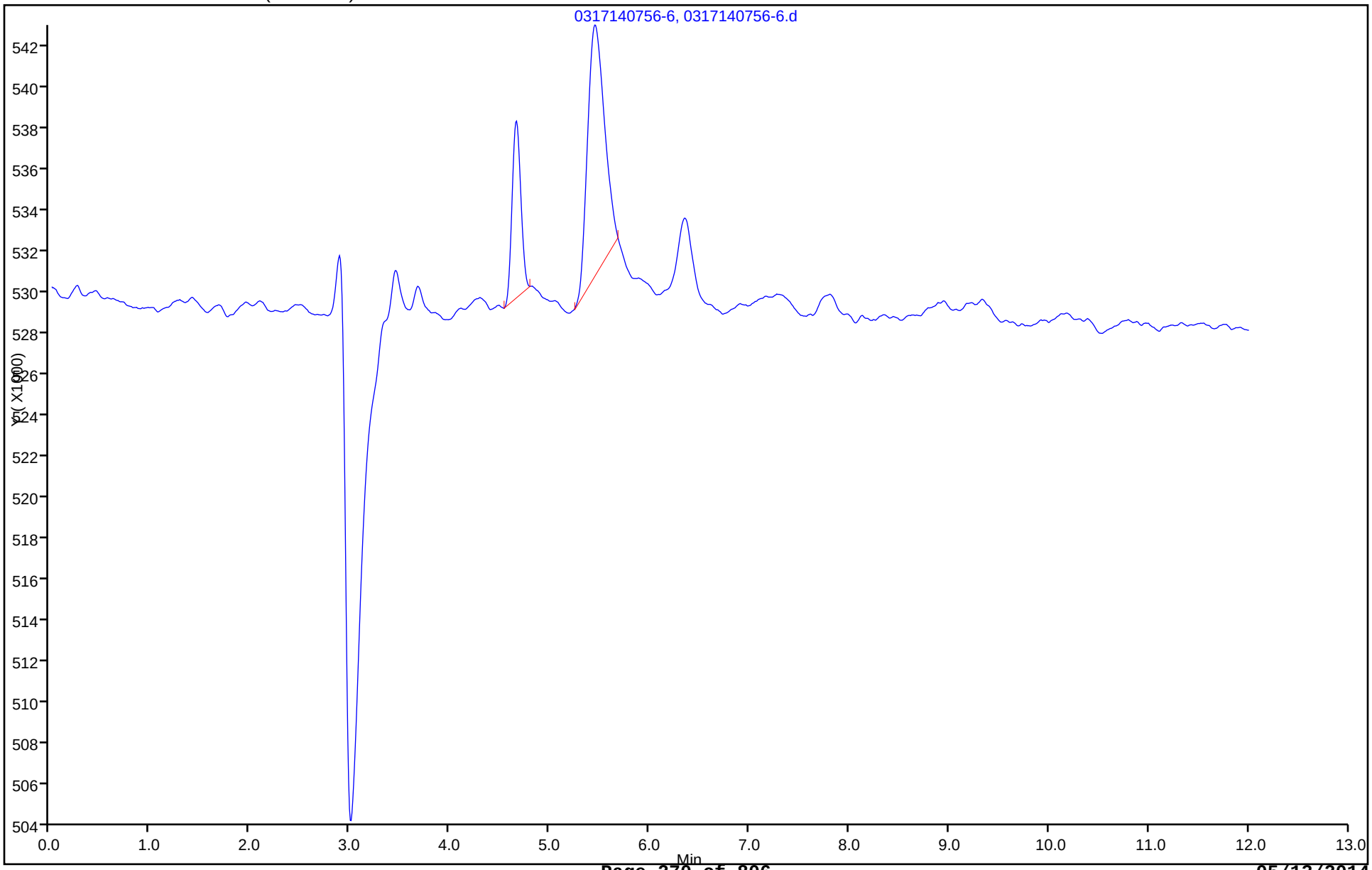
Lims ID: MB Worklist Smp#: 2

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: MB 680-319868/2
Matrix: Water
Lab File ID: 0317140805-5.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/17/2014 08:05
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319868
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317140805-5.d				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	17-Mar-2014 08:05:00	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 1L031714 connie				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:45:27	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK021				
First Level Reviewer: brazellc		Date:	17-Mar-2014 08:37:36		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 17-Mar-2014 15:45:28 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140317-7209.b\0317140805-5.d

Injection Date: 17-Mar-2014 08:05:00 Instrument ID: CICL Operator ID:

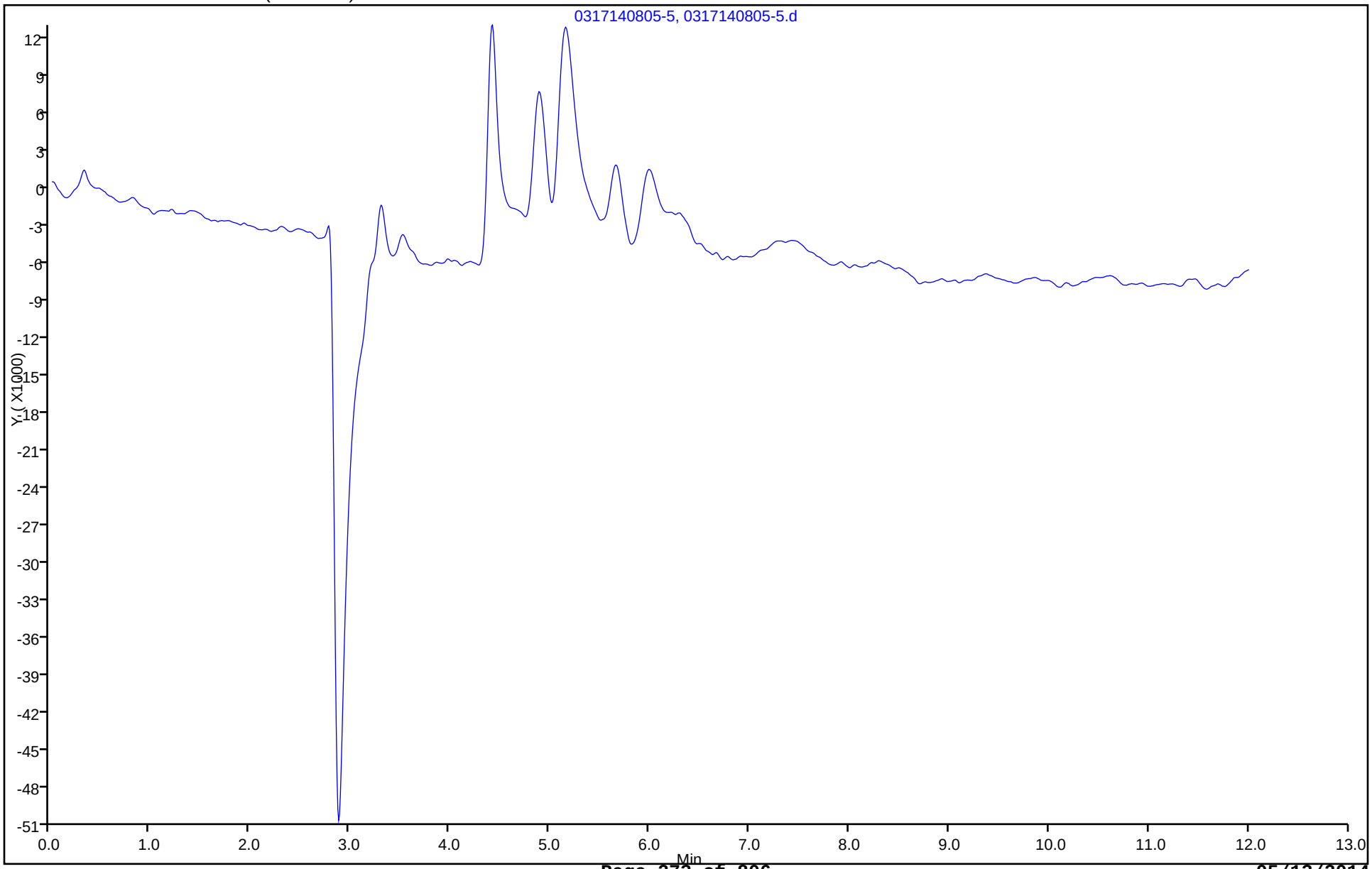
Lims ID: MB Worklist Smp#: 2

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: MB 680-320074/28
Matrix: Water
Lab File ID: 0317141427-31.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/17/2014 14:27
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 320074
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141427-31.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	17-Mar-2014 14:27:00	ALS Bottle#:	0	Worklist Smp#:	28
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 2L031714 connie				
Misc. Info.:	27988				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:25	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 18-Mar-2014 09:36:27 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141427-31.d

Injection Date: 17-Mar-2014 14:27:00 Instrument ID: CICL Operator ID:

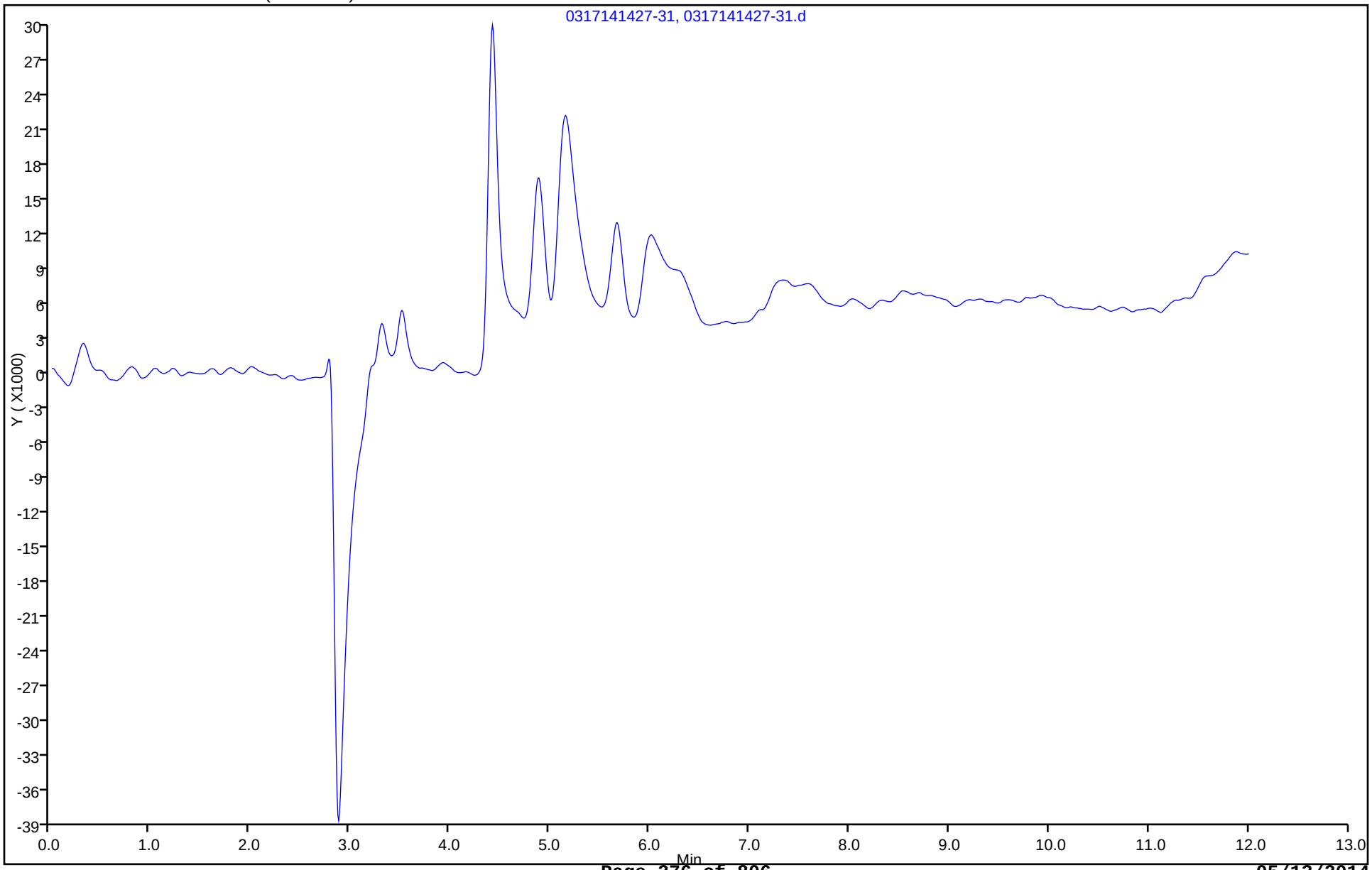
Lims ID: CCB Worklist Smp#: 28

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: Lab Sample ID: MB 680-320146/2

Matrix: Water Lab File ID: 0318141248-6.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/18/2014 12:48

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 320146 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140318-7258.b\0318141248-6.d				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	18-Mar-2014 12:48:00	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 1K031814 1K082812A				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140318-7258.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 14:40:10	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK052				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
2 Chloride	4.683	4.675	0.008	359707	0.1129	
3 Sulfate	6.367	6.350	0.017	67250	0.1595	

Report Date: 18-Mar-2014 14:40:11 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140318-7258.b\0318141248-6.d

Injection Date: 18-Mar-2014 12:48:00 Instrument ID: CICK Operator ID:

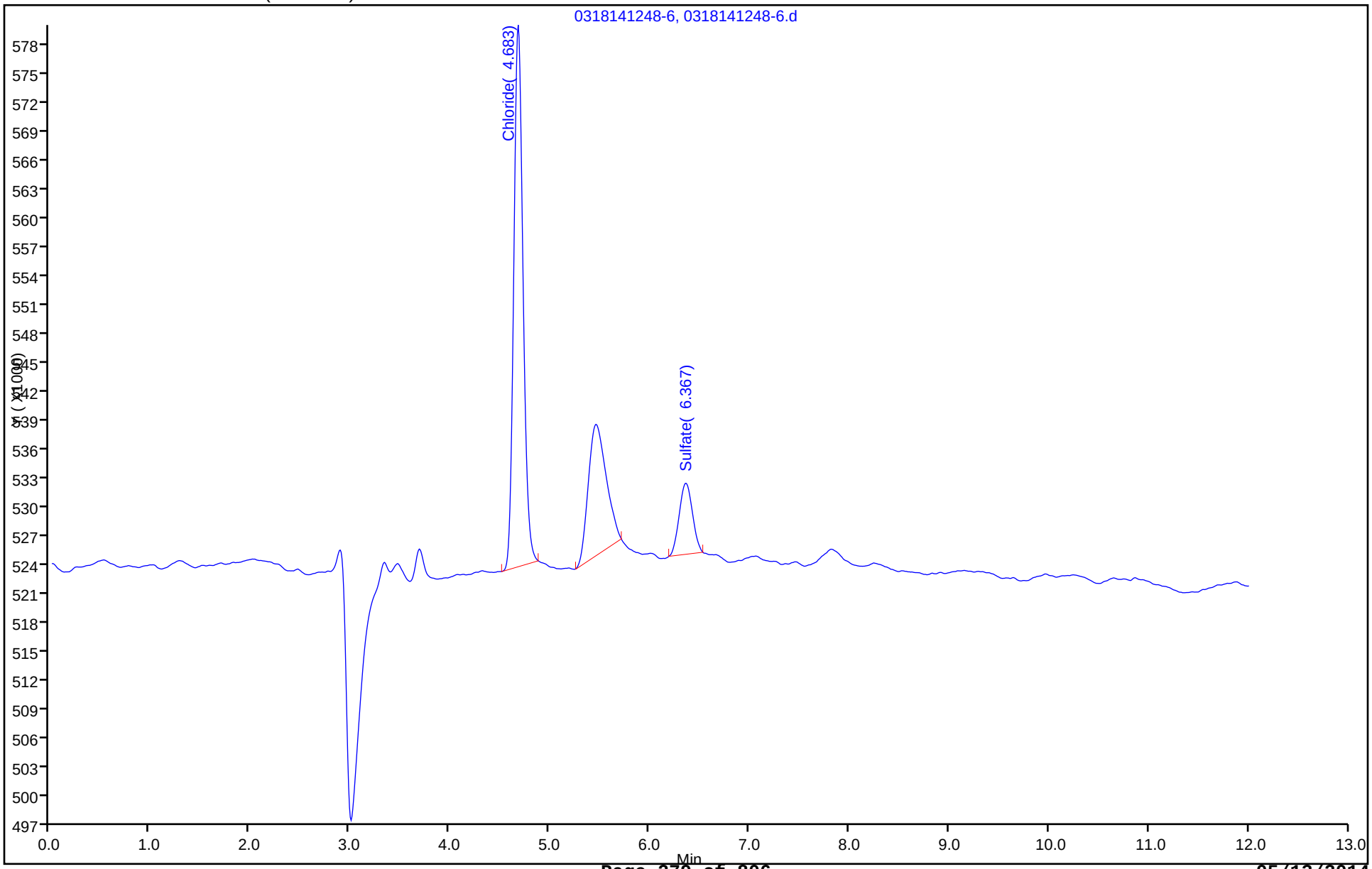
Lims ID: MB Worklist Smp#: 2

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: CCB 680-319822/23
Matrix: Water
Lab File ID: 0314142325-28.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/14/2014 23:25
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319822
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314142325-28.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	14-Mar-2014 23:25:00	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1K031414 1K082812A				
Misc. Info.:	25130				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:25	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
2 Chloride	4.692	4.675	0.017	22322	0.1205	

Report Date: 17-Mar-2014 07:59:26 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314142325-28.d

Injection Date: 14-Mar-2014 23:25:00 Instrument ID: CICK Operator ID:

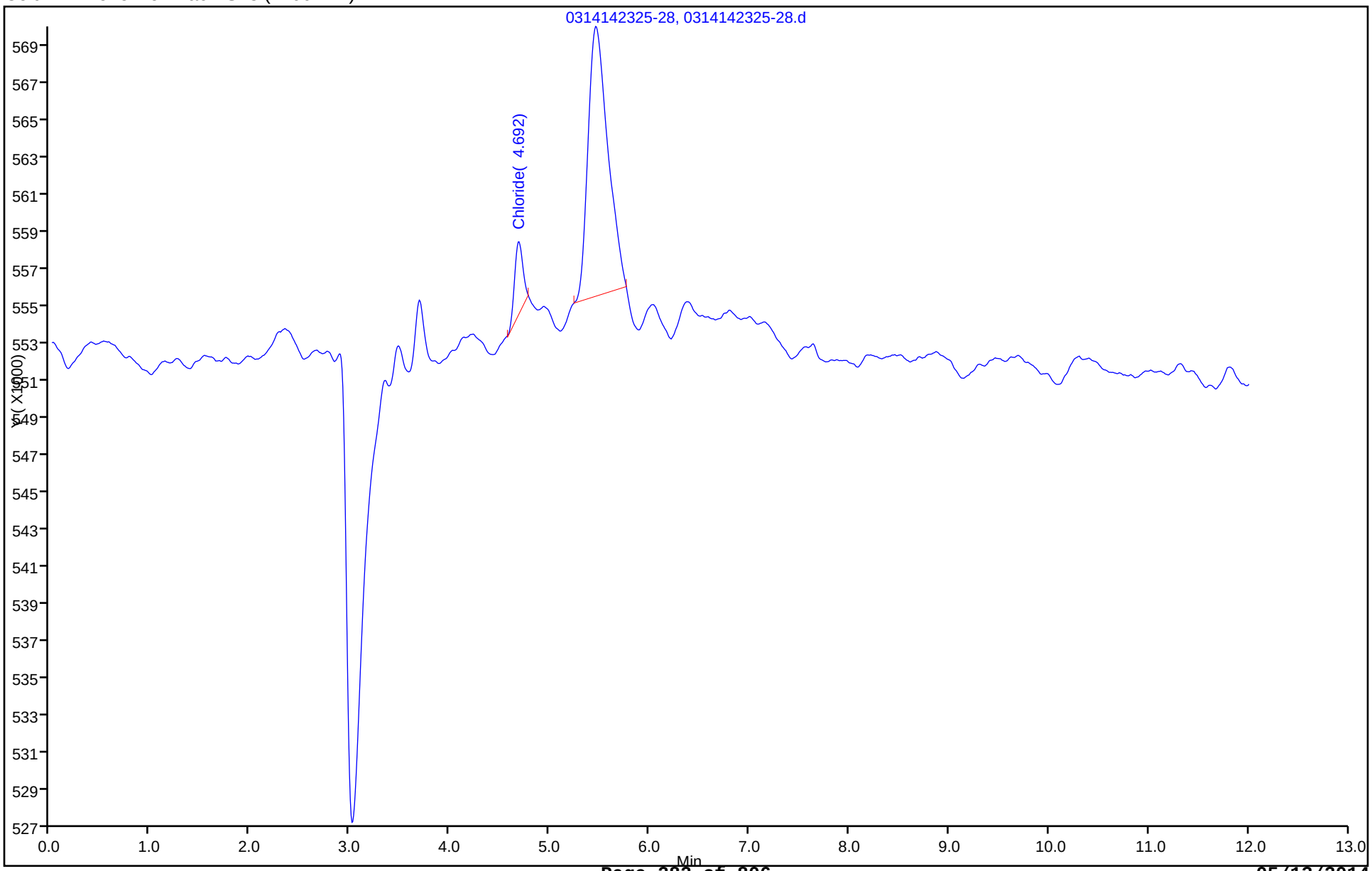
Lims ID: CCB Worklist Smp#: 23

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: CCB 680-319822/34
Matrix: Water
Lab File ID: 0315140214-39.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/15/2014 02:14
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319822
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140214-39.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	15-Mar-2014 02:14:00	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 2K031414 1K082812A				
Misc. Info.:	11493				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:28	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
2 Chloride	4.692	4.683	0.009	63031	0.1226	

Report Date: 17-Mar-2014 07:59:29 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140214-39.d

Injection Date: 15-Mar-2014 02:14:00 Instrument ID: CICK Operator ID:

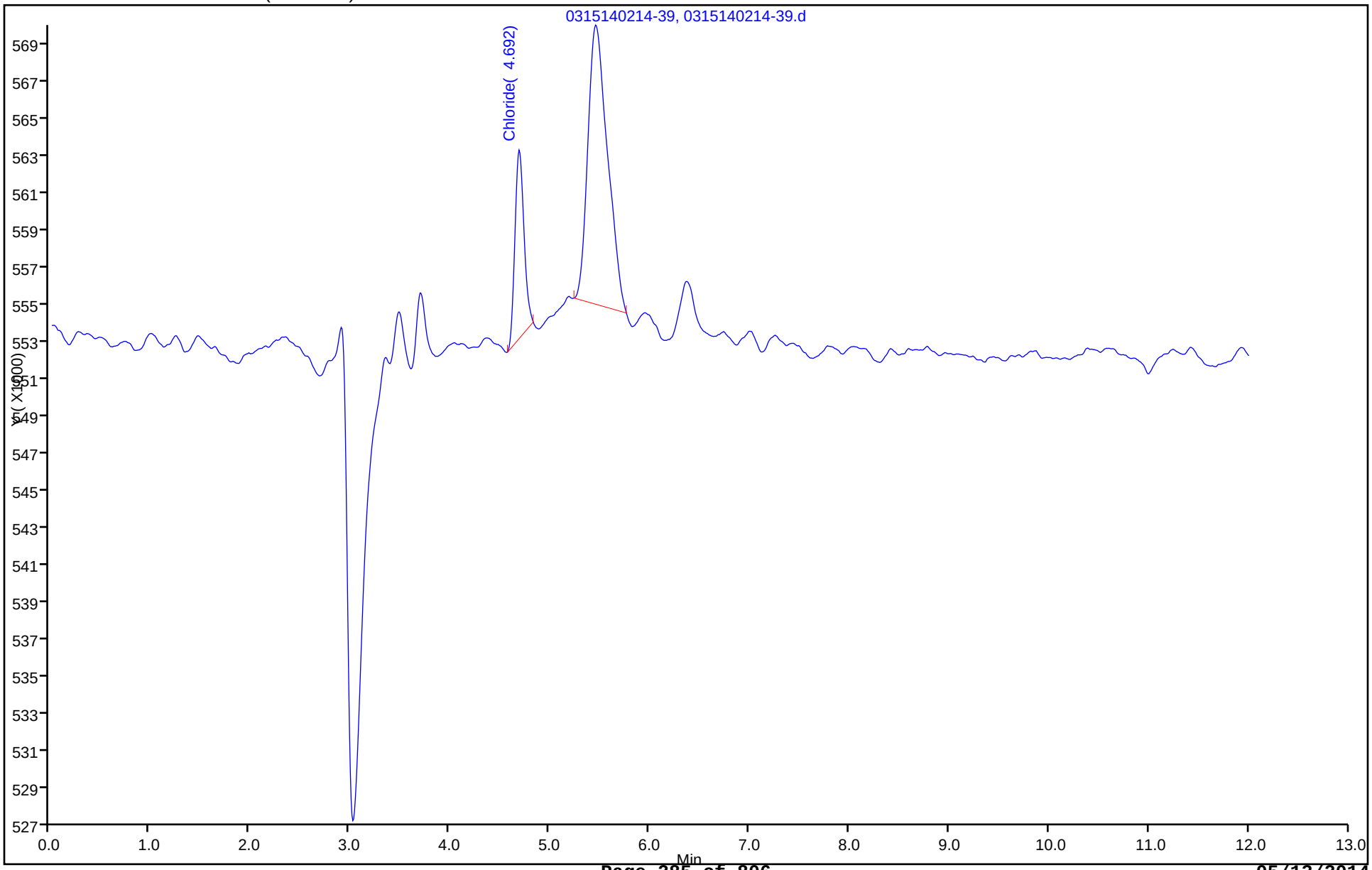
Lims ID: CCB Worklist Smp#: 34

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: Lab Sample ID: CCB 680-319823/48

Matrix: Water Lab File ID: 0315140548-53.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/15/2014 05:48

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319823 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140548-53.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	15-Mar-2014 05:48:00	ALS Bottle#:	0	Worklist Smp#:	48
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 2K031414 1K082812A				
Misc. Info.:	940				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:32	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
2 Chloride	4.683	4.675	0.008	268829	0.1330	

Report Date: 17-Mar-2014 07:59:32 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140548-53.d

Injection Date: 15-Mar-2014 05:48:00 Instrument ID: CICK Operator ID:

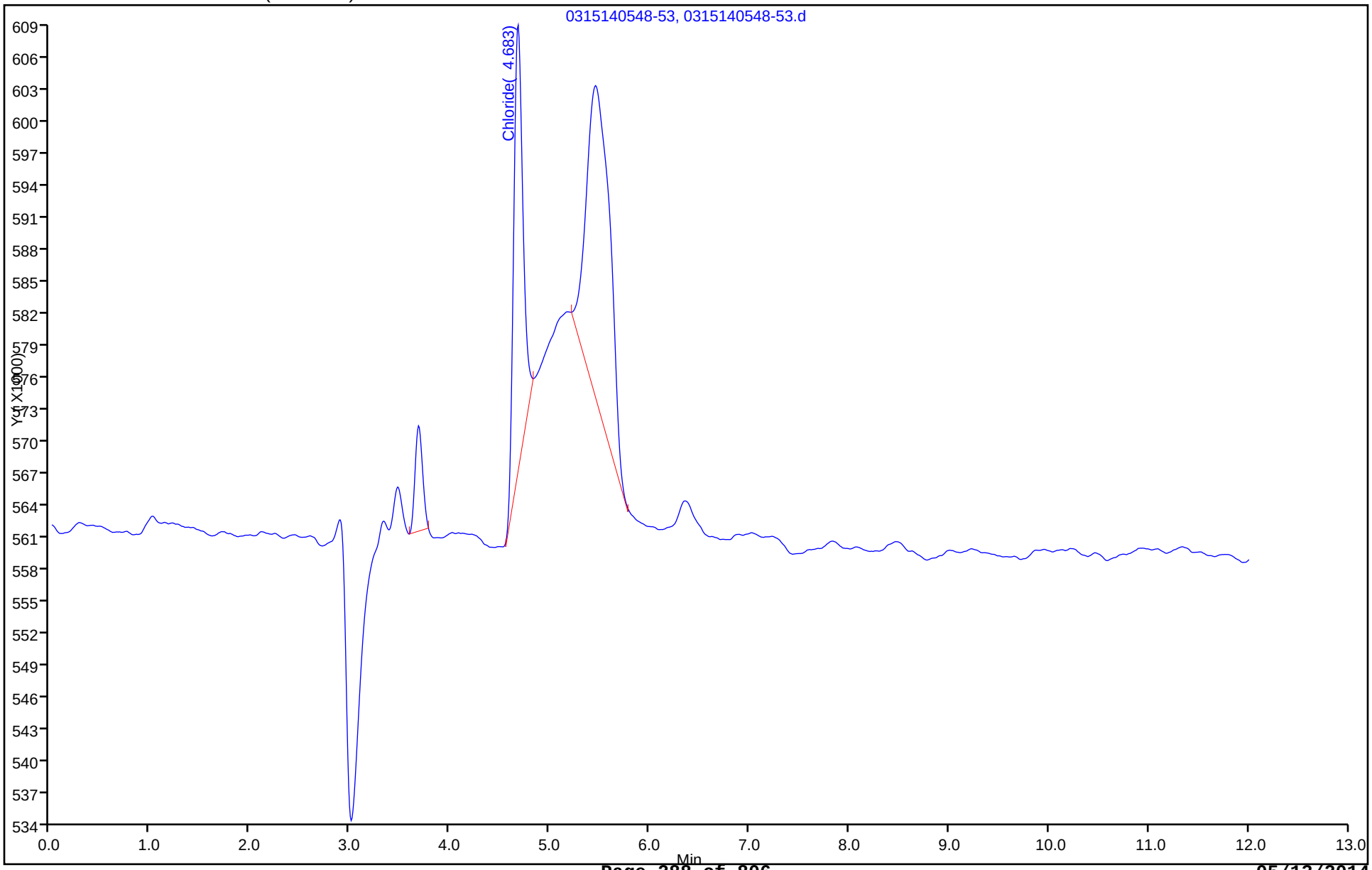
Lims ID: CCB Worklist Smp#: 48

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: CCB 680-319854/17
Matrix: Water
Lab File ID: 0317141146-21.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/17/2014 11:46
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319854
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317141146-21.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	17-Mar-2014 11:46:00	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1K031714 1K082812A				
Misc. Info.:	26535				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:09:16	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.467	3.333	0.134	79460	0.0121	
2 Chloride	4.675	4.667	0.008	360747	0.1129	
3 Sulfate	6.358	6.342	0.016	110226	0.1626	

Report Date: 17-Mar-2014 15:09:16 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7201.b\0317141146-21.d

Injection Date: 17-Mar-2014 11:46:00 Instrument ID: CICK Operator ID:

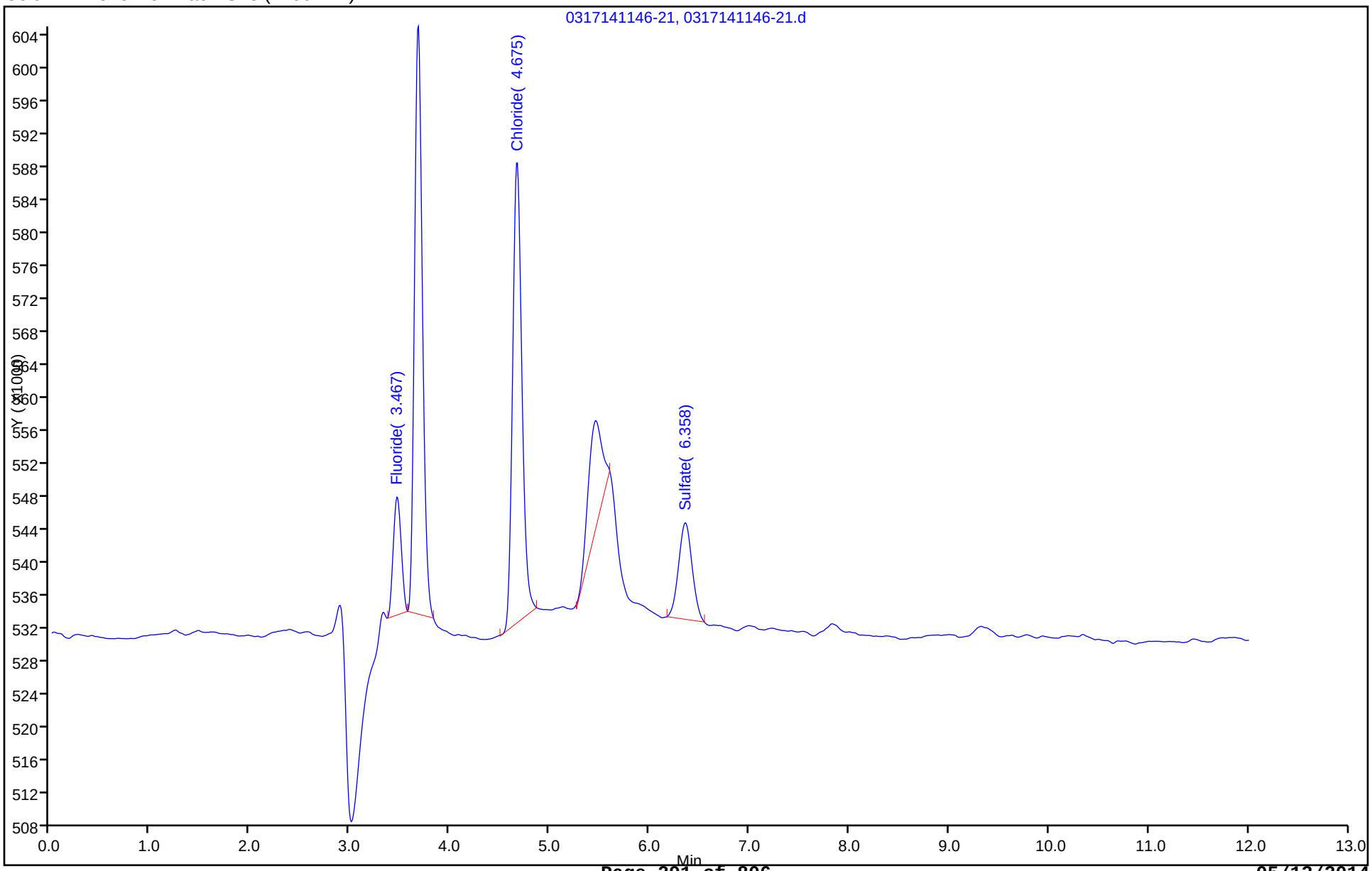
Lims ID: CCB Worklist Smp#: 17

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: CCB 680-319854/28
Matrix: Water
Lab File ID: 0317141435-32.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/17/2014 14:35
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319854
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317141435-32.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	17-Mar-2014 14:35:00	ALS Bottle#:	0	Worklist Smp#:	28
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 2K031714 1K082812A				
Misc. Info.:	5403				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:09:17	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.467	3.333	0.134	78563	0.0121	
2 Chloride	4.667	4.675	-0.008	347961	0.1123	
3 Sulfate	6.358	6.350	0.008	126357	0.1637	

Report Date: 17-Mar-2014 15:09:18 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7201.b\0317141435-32.d

Injection Date: 17-Mar-2014 14:35:00 Instrument ID: CICK Operator ID:

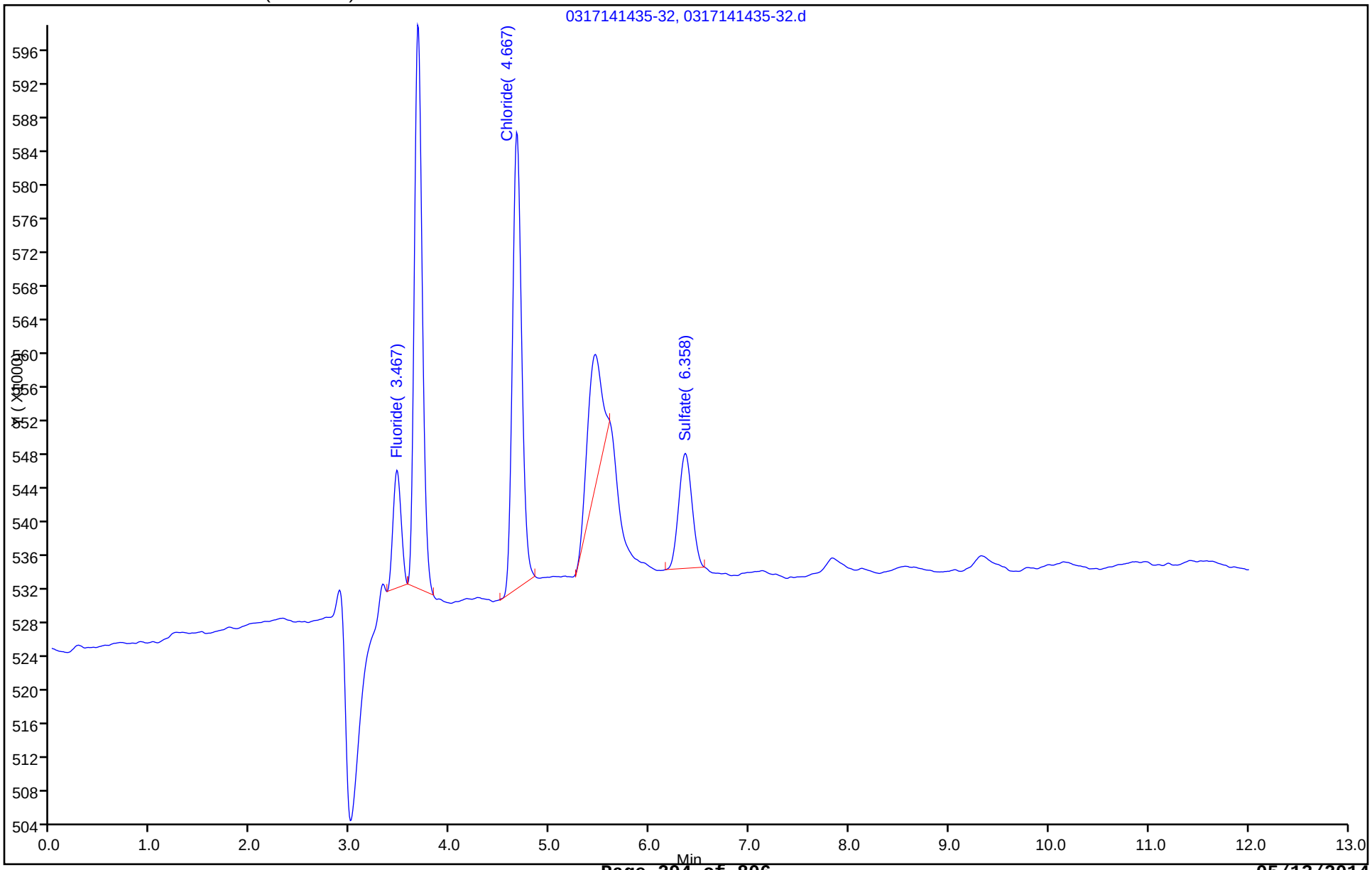
Lims ID: CCB Worklist Smp#: 28

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: CCB 680-319868/16
Matrix: Water
Lab File ID: 0317141134-19.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/17/2014 11:34
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319868
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141134-19.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	17-Mar-2014 11:34:00	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L031714 connie				
Misc. Info.:	28896				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:45:31	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 17-Mar-2014 15:45:32 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141134-19.d

Injection Date: 17-Mar-2014 11:34:00 Instrument ID: CICL Operator ID:

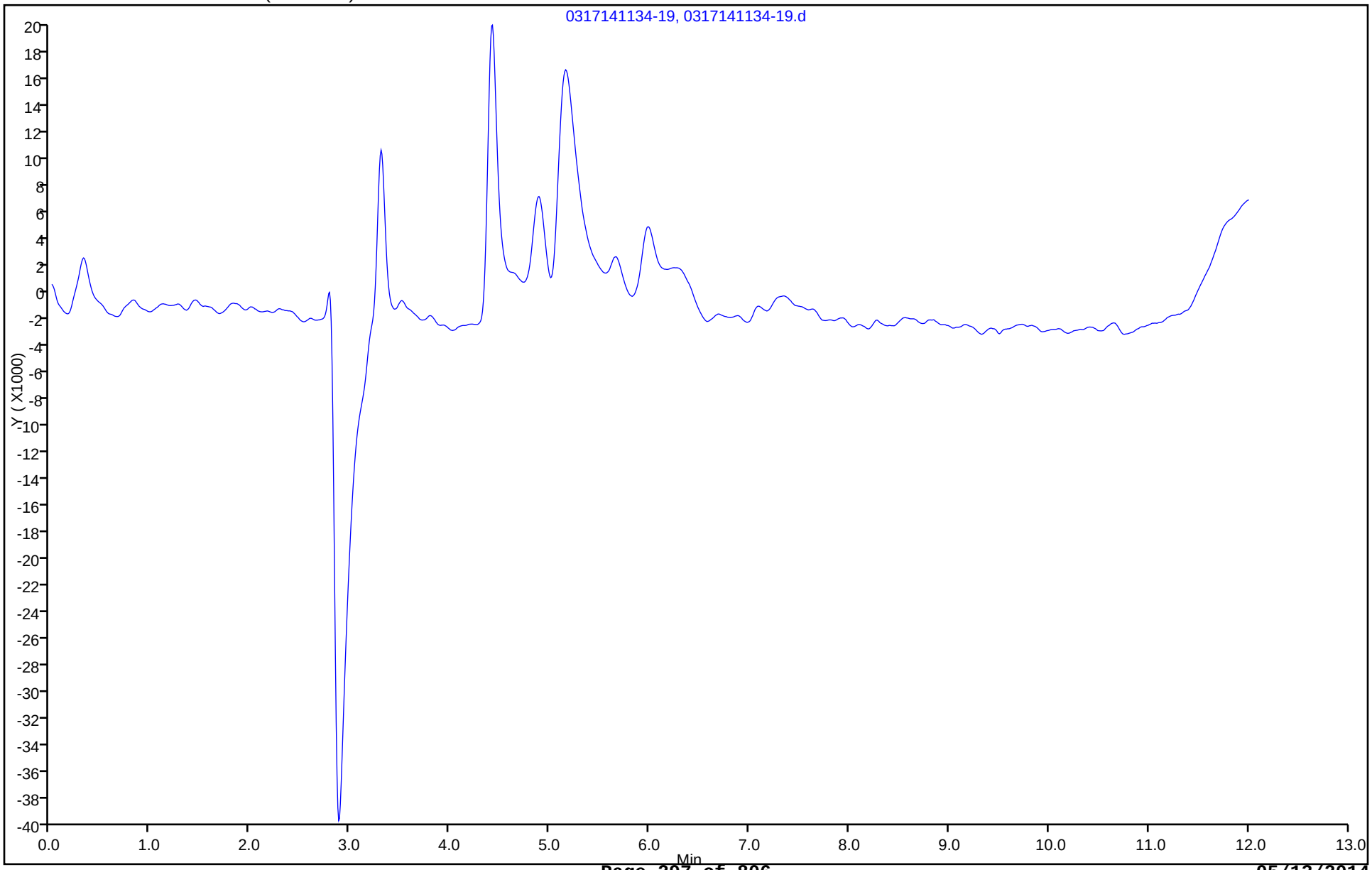
Lims ID: CCB Worklist Smp#: 16

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: CCB 680-319868/28
Matrix: Water
Lab File ID: 0317141427-31.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/17/2014 14:27
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319868
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141427-31.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	17-Mar-2014 14:27:00	ALS Bottle#:	0	Worklist Smp#:	28
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 2L031714 connie				
Misc. Info.:	27988				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:25	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 18-Mar-2014 09:36:26 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141427-31.d

Injection Date: 17-Mar-2014 14:27:00 Instrument ID: CICL Operator ID:

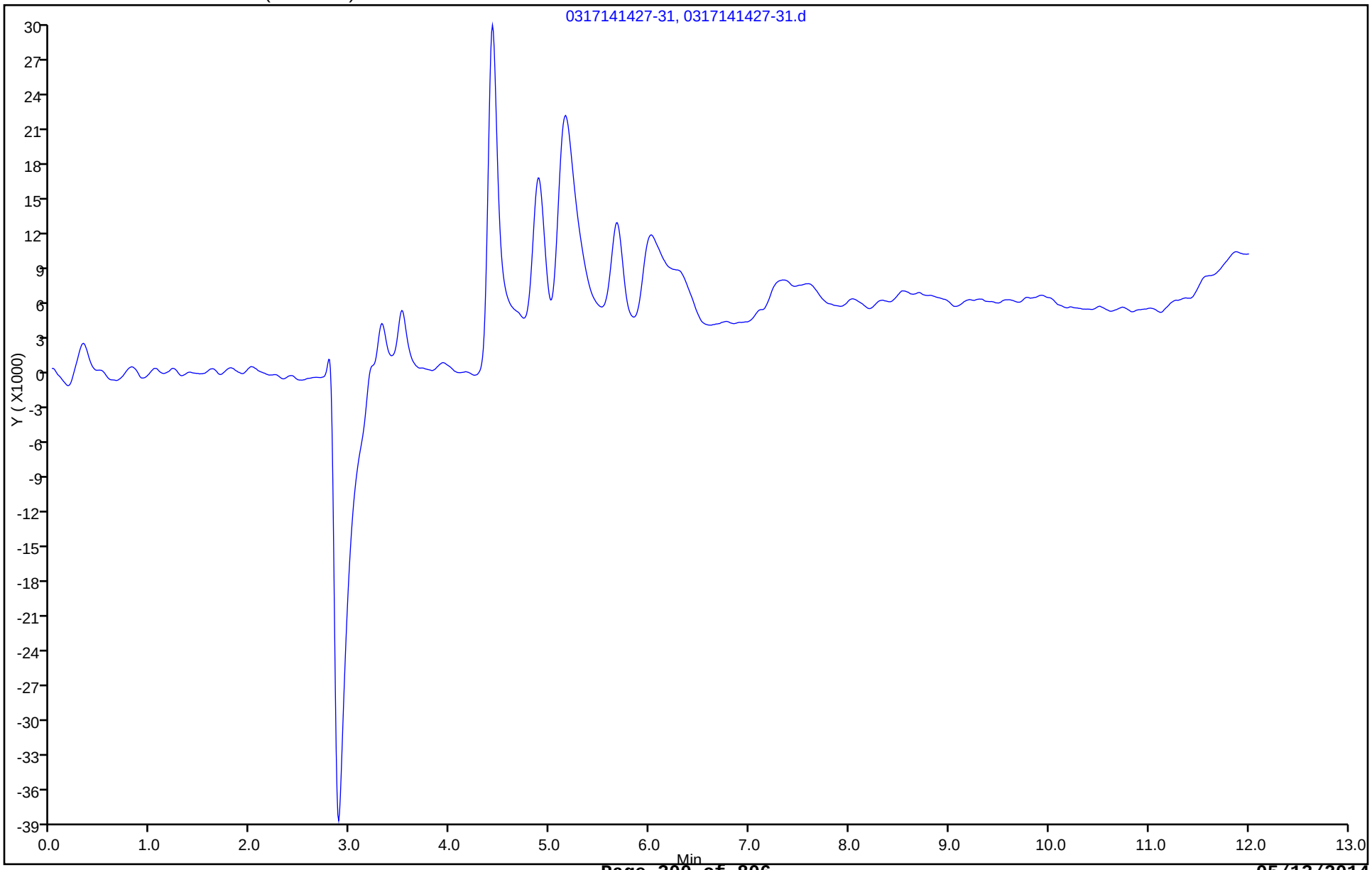
Lims ID: CCB Worklist Smp#: 28

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: Lab Sample ID: CCB 680-320074/42

Matrix: Water Lab File ID: 0317141749-45.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/17/2014 17:49

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 320074 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141749-45.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	17-Mar-2014 17:49:00	ALS Bottle#:	0	Worklist Smp#:	42
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 2L031714 connie				
Misc. Info.:	15267				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:30	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 18-Mar-2014 09:36:31 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141749-45.d

Injection Date: 17-Mar-2014 17:49:00 Instrument ID: CICL Operator ID:

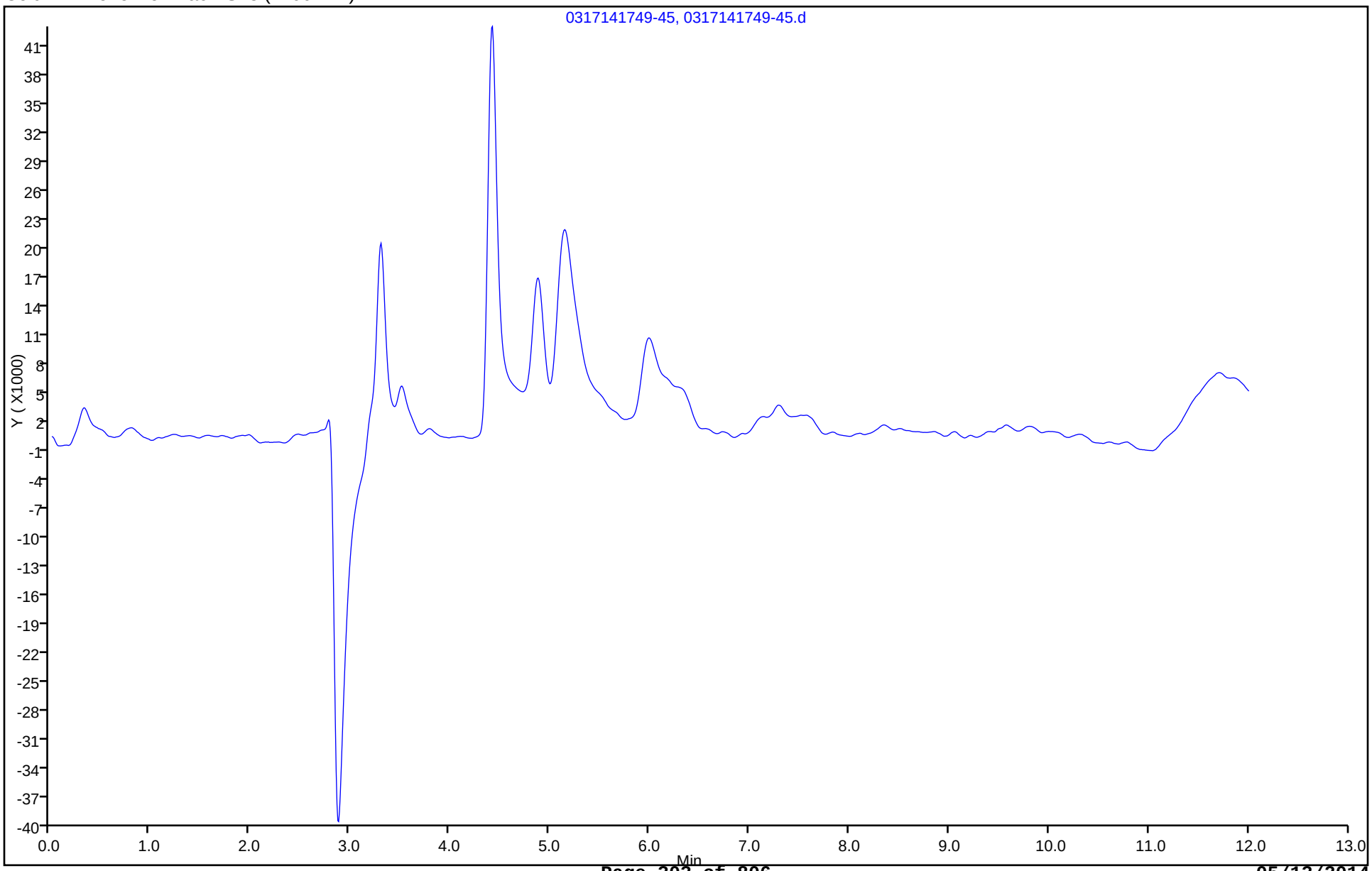
Lims ID: CCB Worklist Smp#: 42

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: CCB 680-320074/47
Matrix: Water
Lab File ID: 0317141901-50.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/17/2014 19:01
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 320074
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141901-50.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	17-Mar-2014 19:01:00	ALS Bottle#:	0	Worklist Smp#:	47
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 2L031714 connie				
Misc. Info.:	2923				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:32	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 18-Mar-2014 09:36:32 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141901-50.d

Injection Date: 17-Mar-2014 19:01:00 Instrument ID: CICL Operator ID:

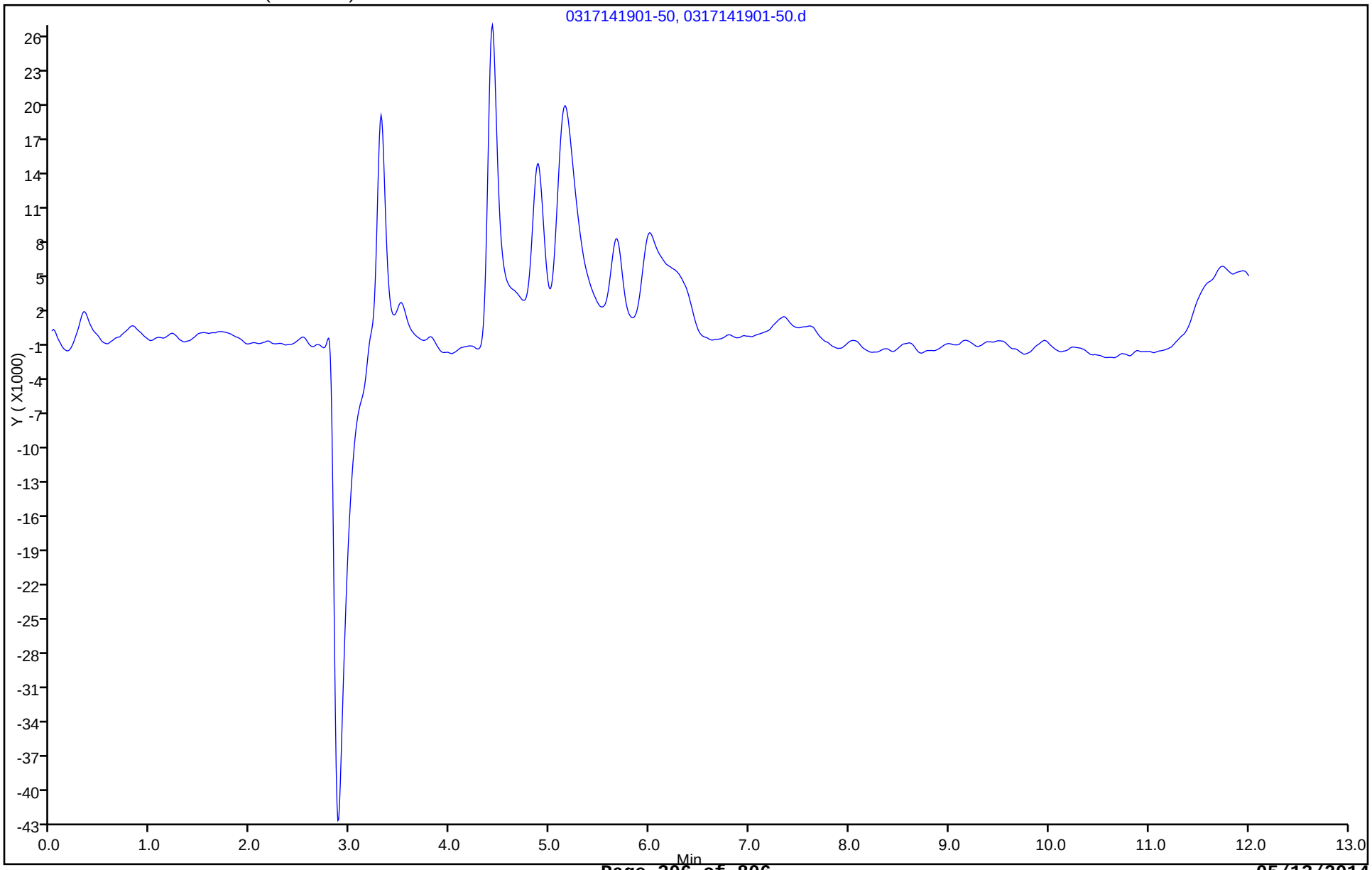
Lims ID: CCB Worklist Smp#: 47

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: CCB 680-320146/7
Matrix: Water
Lab File ID: 0318141417-11.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/18/2014 14:17
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 320146
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICK\20140318-7258.b\0318141417-11.d
Lims ID: CCB
Client ID:
Sample Type: CCB
Inject. Date: 18-Mar-2014 14:17:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: CCB 1K031814 1K082812A
Misc. Info.: 29025
Operator ID: Instrument ID: CICK

Method: \\SAVCHROM\ChromData\CICK\20140318-7258.b\300.0_9056A_CICK.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 18-Mar-2014 14:43:54 Calib Date: 16-Mar-2014 13:01:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d

Column 1 : Dionex Ion Pac AS18 (4.00 mm) Det: 0118131406-12
Process Host: XAWRK052

First Level Reviewer: brazellc Date: 18-Mar-2014 14:40:10

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
2 Chloride	4.675	4.683	-0.008	479785	0.1189	
3 Sulfate	6.358	6.367	-0.009	71598	0.1598	

Report Date: 18-Mar-2014 14:43:54 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140318-7258.b\0318141417-11.d

Injection Date: 18-Mar-2014 14:17:00 Instrument ID: CICK Operator ID:

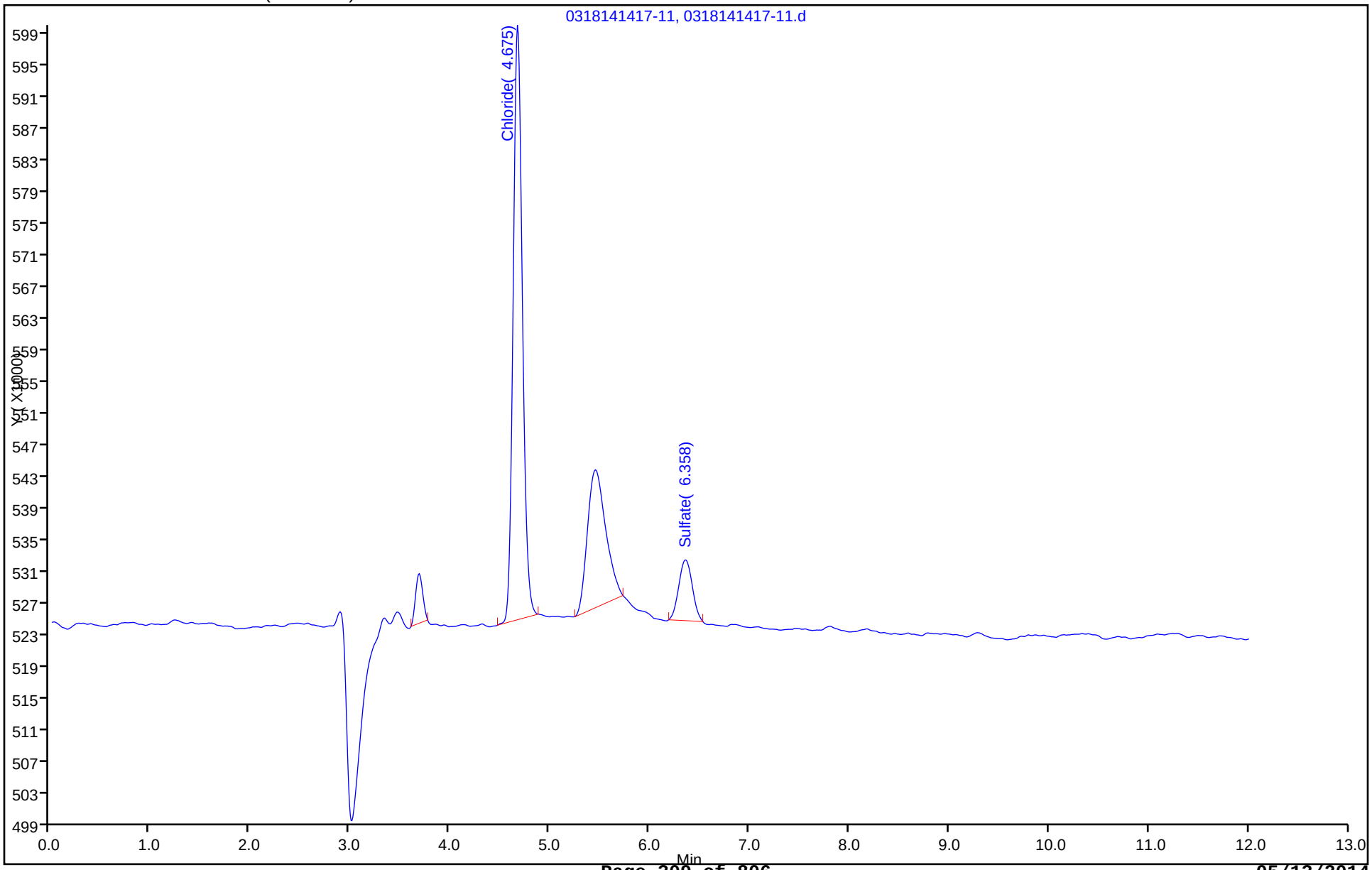
Lims ID: CCB Worklist Smp#: 7

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: ICB 680-317700/8
Matrix: Water
Lab File ID: 0228140636-81.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 02/28/2014 06:36
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 317700
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140636-81.d				
Lims ID:	ICB	Lab Sample ID:	ICB 680-317700/8-A		
Client ID:					
Sample Type:	ICB				
Inject. Date:	28-Feb-2014 06:36:00	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ICB 1L022714 connie				
Misc. Info.:	29516				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	28-Feb-2014 12:40:28	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

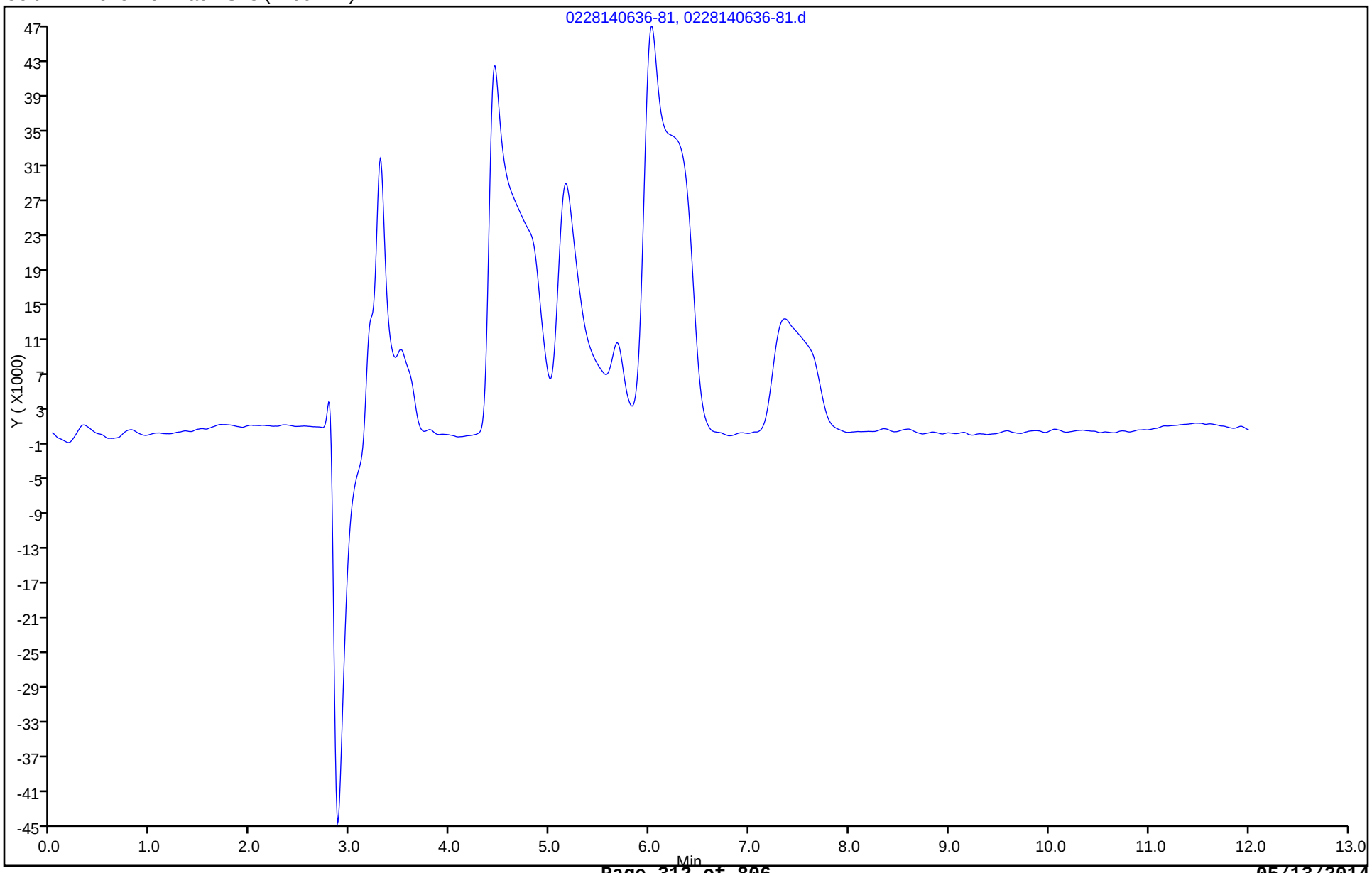
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 28-Feb-2014 12:40:29 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140636-81.d				
Injection Date:	28-Feb-2014 06:36:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	ICB	Lab Sample ID:	ICB 680-317700/8-A	Worklist Smp#:	8
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: ICB 680-319822/1008
Matrix: Water
Lab File ID: 0314141935-13-ICB.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/14/2014 19:35
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319822
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141935-13-ICB.d				
Lims ID:	ICB				
Client ID:					
Sample Type:	ICB				
Inject. Date:	14-Mar-2014 19:35:00	ALS Bottle#:	0	Worklist Smp#:	1008
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 1K031414 1K082812A				
Misc. Info.:	13				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:20	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
2 Chloride	4.675	4.667	0.008	26387	0.1207	

Report Date: 17-Mar-2014 07:59:21 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Laboratories

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141935-13-ICB.d

Injection Date: 14-Mar-2014 19:35:00 Instrument ID: CICK Operator ID:

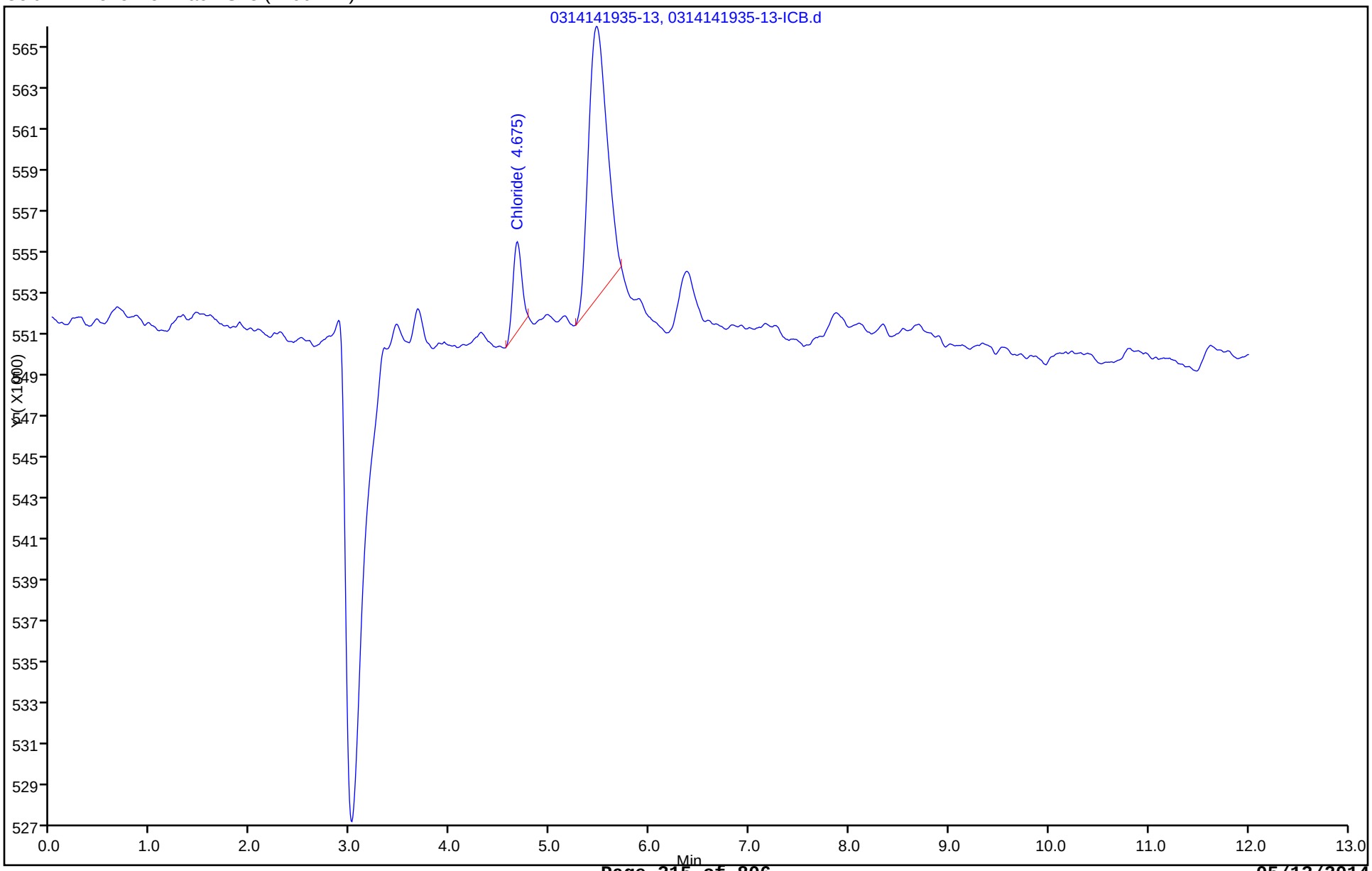
Lims ID: ICB Worklist Smp#: 1008

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: ICB 680-319850/1008
Matrix: Water
Lab File ID: 0316141316-13-ICB.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/16/2014 13:16
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319850
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141316-13-ICB.d
Lims ID: ICB
Client ID:
Sample Type: ICB
Inject. Date: 16-Mar-2014 13:16:00 ALS Bottle#: 0 Worklist Smp#: 1008
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: MB 1K031614 1K082812A
Misc. Info.: 13
Operator ID: Instrument ID: CICK

Method: \\SAVCHROM\ChromData\CICK\20140317-7200.b\300.0_9056A_CICK.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 17-Mar-2014 13:01:13 Calib Date: 16-Mar-2014 13:01:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d

Column 1 : Dionex Ion Pac AS18 (4.00 mm) Det: 0118131406-12
Process Host: XAWRK021

First Level Reviewer: brazellc Date: 17-Mar-2014 05:59:40

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.333	0.0	21613	0.0103	
2 Chloride	4.667	4.667	0.0	213571	0.1055	
3 Sulfate	6.358	6.350	0.008	127412	0.1638	

Report Date: 17-Mar-2014 13:01:14 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Laboratories

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141316-13-ICB.d

Injection Date: 16-Mar-2014 13:16:00 Instrument ID: CICK Operator ID:

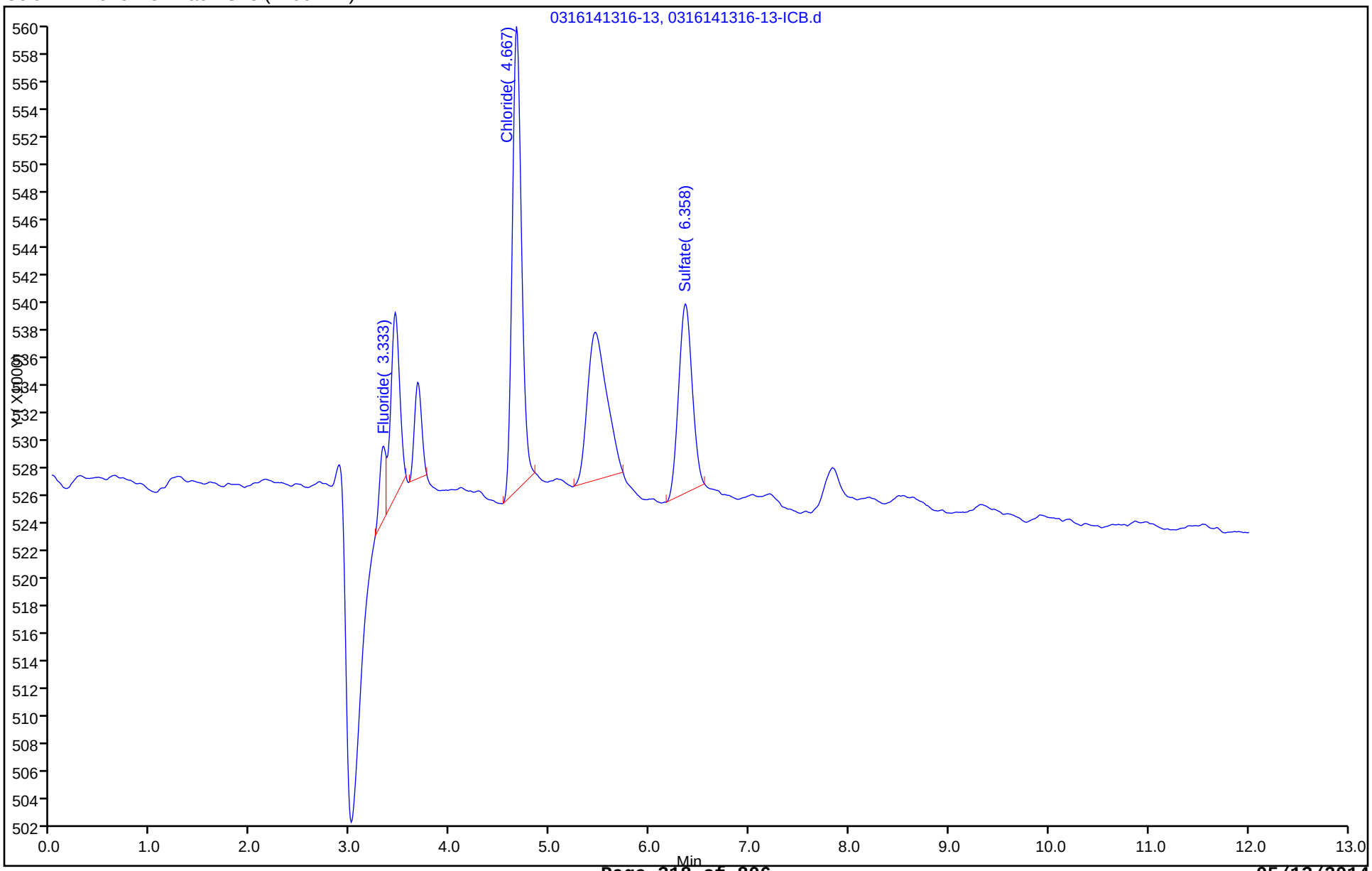
Lims ID: ICB Worklist Smp#: 1008

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: LCS 680-319822/9
Matrix: Water
Lab File ID: 0314141951-14.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/14/2014 19:51
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319822
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.2		0.50	0.25
16984-48-8	Fluoride	2.10		0.10	0.025
16887-00-6	Chloride	9.93		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141951-14.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	14-Mar-2014 19:51:00	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 1K031414 1K082812A				
Misc. Info.:	14				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:20	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.325	0.008	62877684	2.10	
2 Chloride	4.667	4.667	0.0	194047683	9.93	
3 Sulfate	6.342	6.350	-0.008	140263807	10.2	
4 Bromide	7.792	7.808	-0.016	81752861	9.94	

Report Date: 17-Mar-2014 07:59:22 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141951-14.d

Injection Date: 14-Mar-2014 19:51:00 Instrument ID: CICK Operator ID:

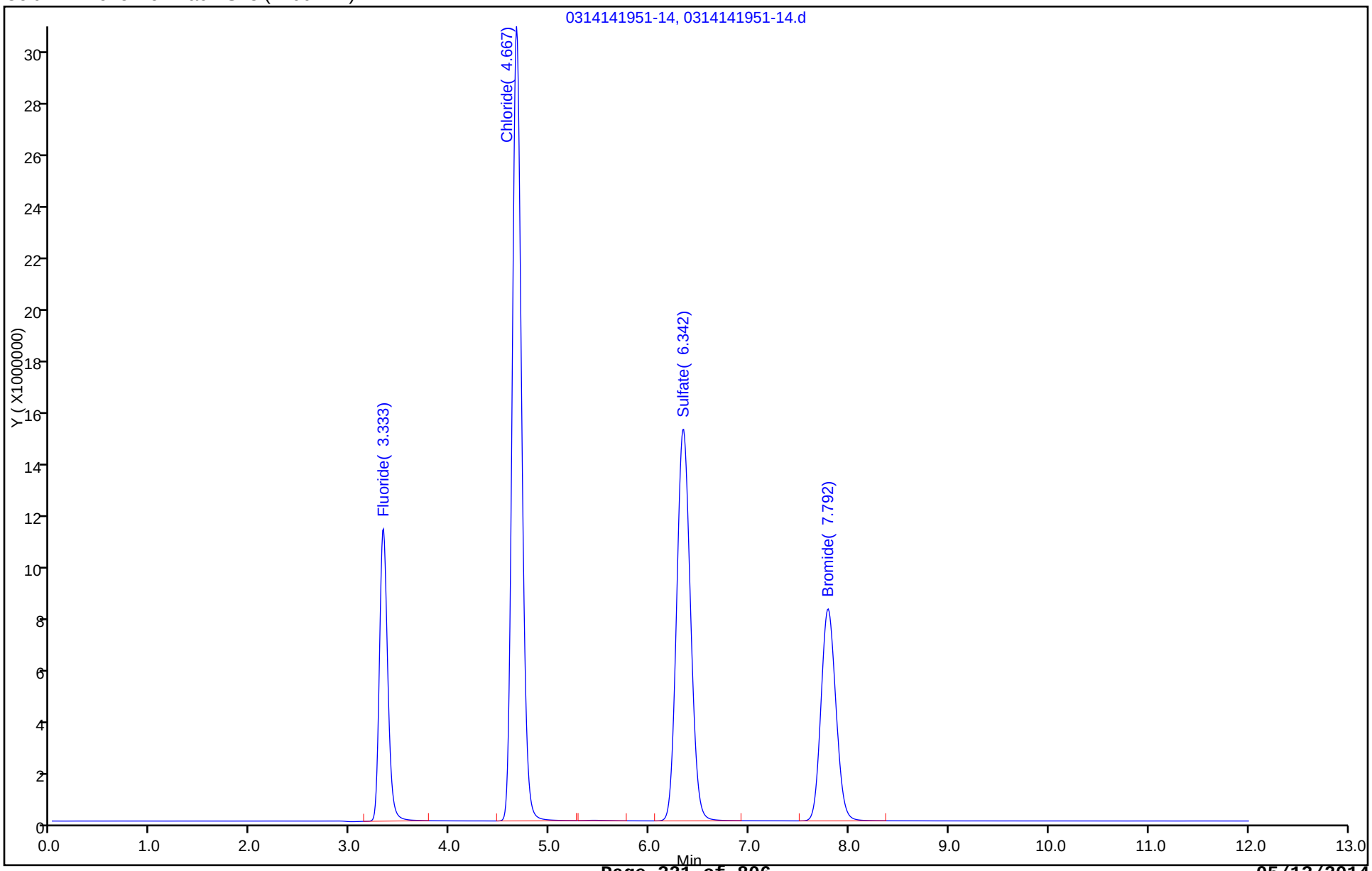
Lims ID: LCS Worklist Smp#: 9

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: Lab Sample ID: LCS 680-319823/35

Matrix: Water Lab File ID: 0315140229-40.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/15/2014 02:29

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319823 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.3		0.50	0.25
16984-48-8	Fluoride	2.10		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140229-40.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	15-Mar-2014 02:29:00	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 2K031414 1K082812A				
Misc. Info.:	28187				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:28	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.350	3.342	0.008	62972775	2.10	
2 Chloride	4.692	4.683	0.009	195692551	10.0	
3 Sulfate	6.342	6.350	-0.008	141836474	10.3	
4 Bromide	7.817	7.833	-0.016	82751581	10.1	

Report Date: 17-Mar-2014 07:59:29 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140229-40.d

Injection Date: 15-Mar-2014 02:29:00 Instrument ID: CICK Operator ID:

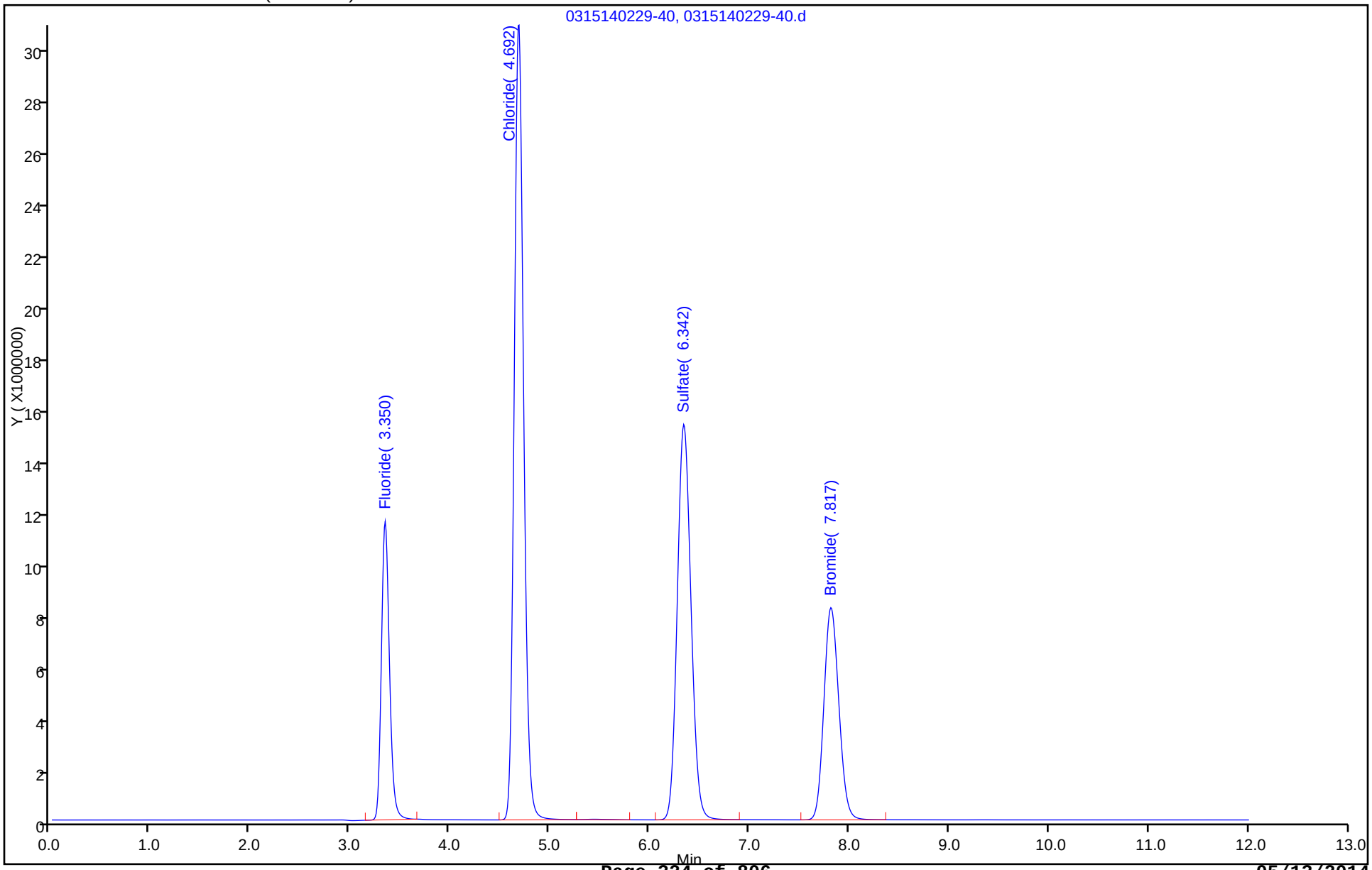
Lims ID: LCS Worklist Smp#: 35

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: LCS 680-319854/3
Matrix: Water
Lab File ID: 0317140812-7.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/17/2014 08:12
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319854
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.1		0.50	0.25
16887-00-6	Chloride	9.98		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317140812-7.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	17-Mar-2014 08:12:00	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 1K031714 1K082812A				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:09:11	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				
First Level Reviewer: brazellc		Date:	17-Mar-2014 09:11:18		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.325	0.0	62793315	2.06	
2 Chloride	4.667	4.667	0.0	195924420	9.98	
3 Sulfate	6.333	6.333	0.0	141222655	10.1	
4 Bromide	7.775	7.775	0.0	82510113	10.0	

Report Date: 17-Mar-2014 15:09:12 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7201.b\0317140812-7.d

Injection Date: 17-Mar-2014 08:12:00 Instrument ID: CICK Operator ID:

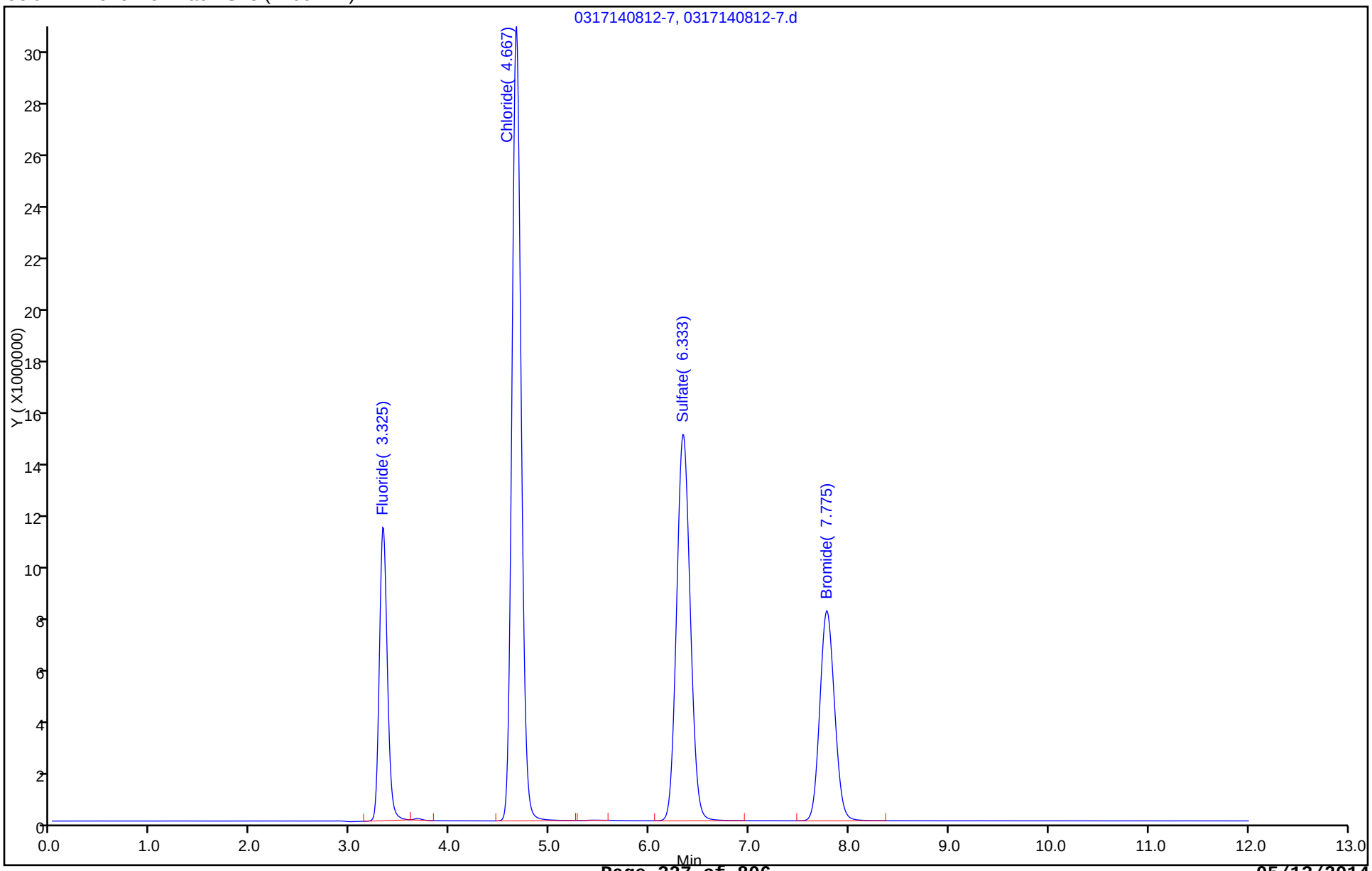
Lims ID: LCS Worklist Smp#: 3

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: LCS 680-319868/3
Matrix: Water
Lab File ID: 0317140820-6.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/17/2014 08:20
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319868
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.3		0.50	0.25
16984-48-8	Fluoride	2.06		0.10	0.025
16887-00-6	Chloride	10.1		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317140820-6.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	17-Mar-2014 08:20:00	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 1L031714 connie				
Misc. Info.:	21854				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:45:27	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.208	3.200	0.008	74607202	2.06	
2 Chloride	4.417	4.417	0.0	221618942	10.1	
3 Sulfate	5.958	5.958	0.0	170781067	10.3	
4 Bromide	7.200	7.200	0.0	94838332	10.2	

Report Date: 17-Mar-2014 15:45:28 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140317-7209.b\0317140820-6.d

Injection Date: 17-Mar-2014 08:20:00 Instrument ID: CICL Operator ID:

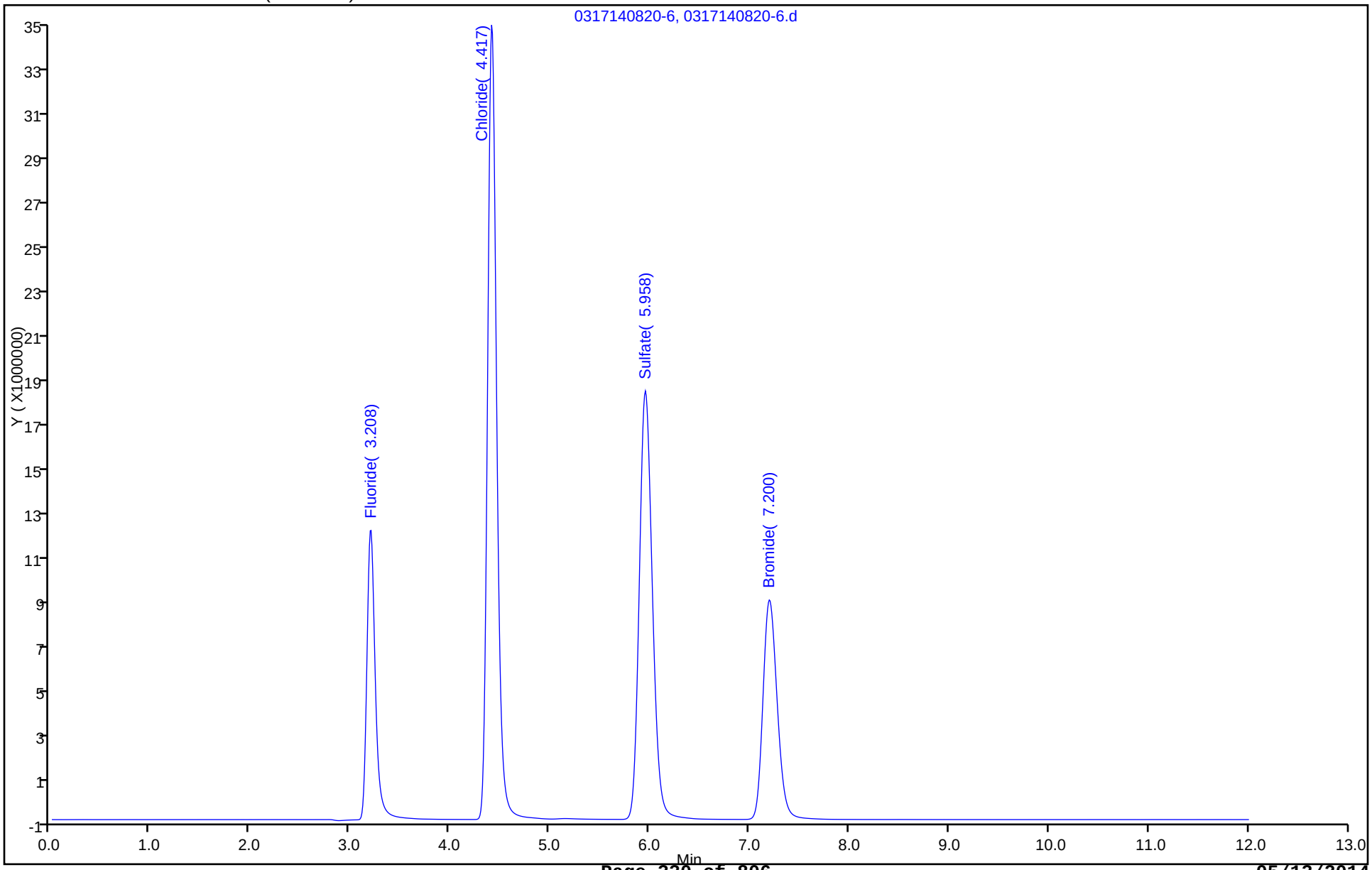
Lims ID: LCS Worklist Smp#: 3

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: LCS 680-320074/29
Matrix: Water
Lab File ID: 0317141442-32.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/17/2014 14:42
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 320074
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.2		0.50	0.25
16984-48-8	Fluoride	2.05		0.10	0.025
16887-00-6	Chloride	10.0		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141442-32.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	17-Mar-2014 14:42:00	ALS Bottle#:	0	Worklist Smp#:	29
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 2L031714 connie				
Misc. Info.:	25878				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:25	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.208	-0.008	74292263	2.05	
2 Chloride	4.417	4.425	-0.008	221176942	10.0	
3 Sulfate	5.958	5.958	0.0	168977537	10.2	
4 Bromide	7.208	7.208	0.0	94450700	10.1	

Report Date: 18-Mar-2014 09:36:27 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141442-32.d

Injection Date: 17-Mar-2014 14:42:00 Instrument ID: CICL Operator ID:

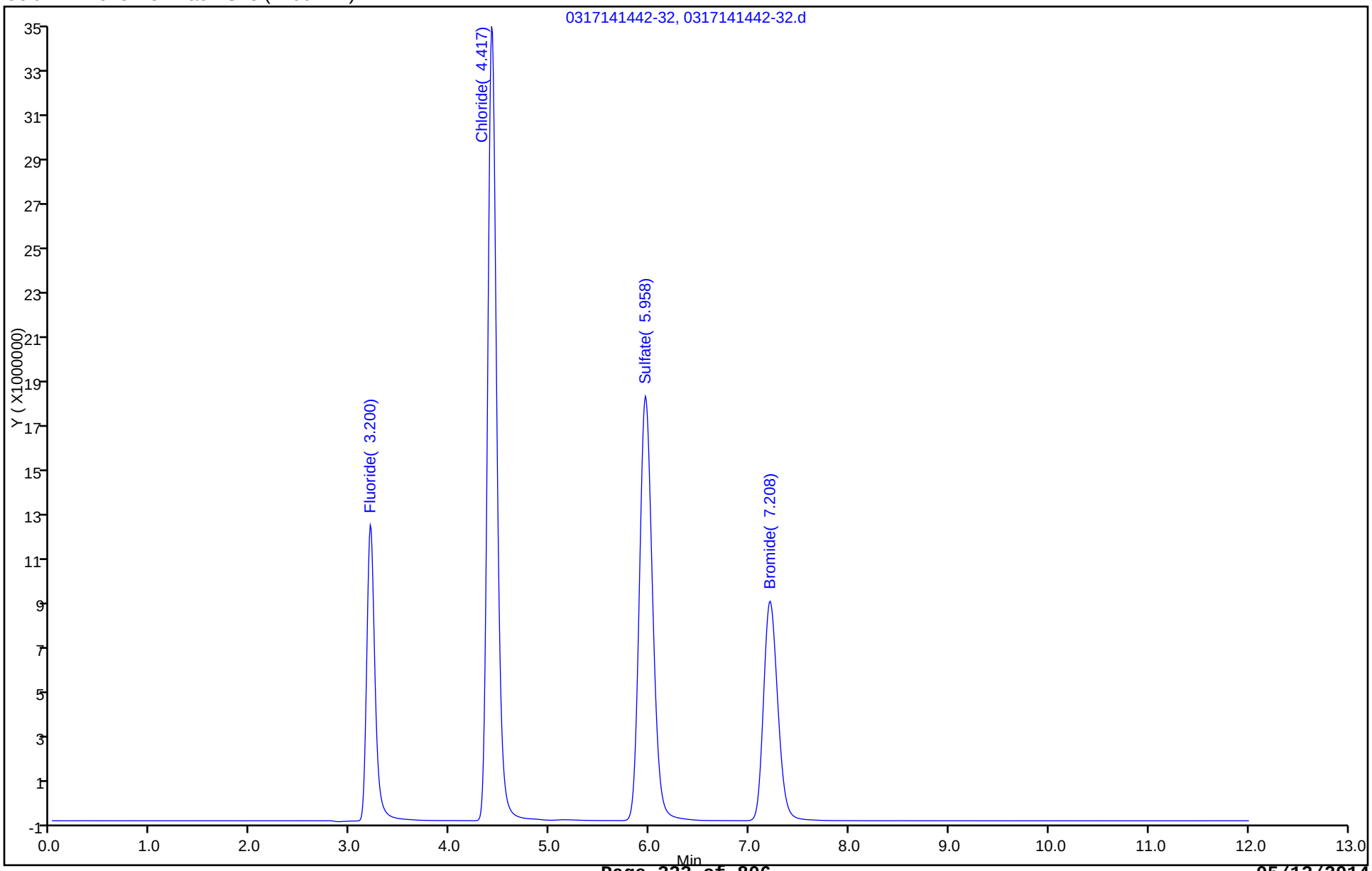
Lims ID: LCS Worklist Smp#: 29

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: LCS 680-320146/3
Matrix: Water
Lab File ID: 0318141304-7.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/18/2014 13:04
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 320146
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	9.97		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140318-7258.b\0318141304-7.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	18-Mar-2014 13:04:00	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 1K031814 1K082812A				
Misc. Info.:	13 3492607				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140318-7258.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 14:40:10	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK052				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.342	3.342	0.0	63360522	2.08	
2 Chloride	4.675	4.675	0.0	195663757	9.97	
3 Sulfate	6.350	6.350	0.0	140846628	10.1	
4 Bromide	7.792	7.792	0.0	82461299	9.99	

Report Date: 18-Mar-2014 14:40:11 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140318-7258.b\0318141304-7.d

Injection Date: 18-Mar-2014 13:04:00 Instrument ID: CICK Operator ID:

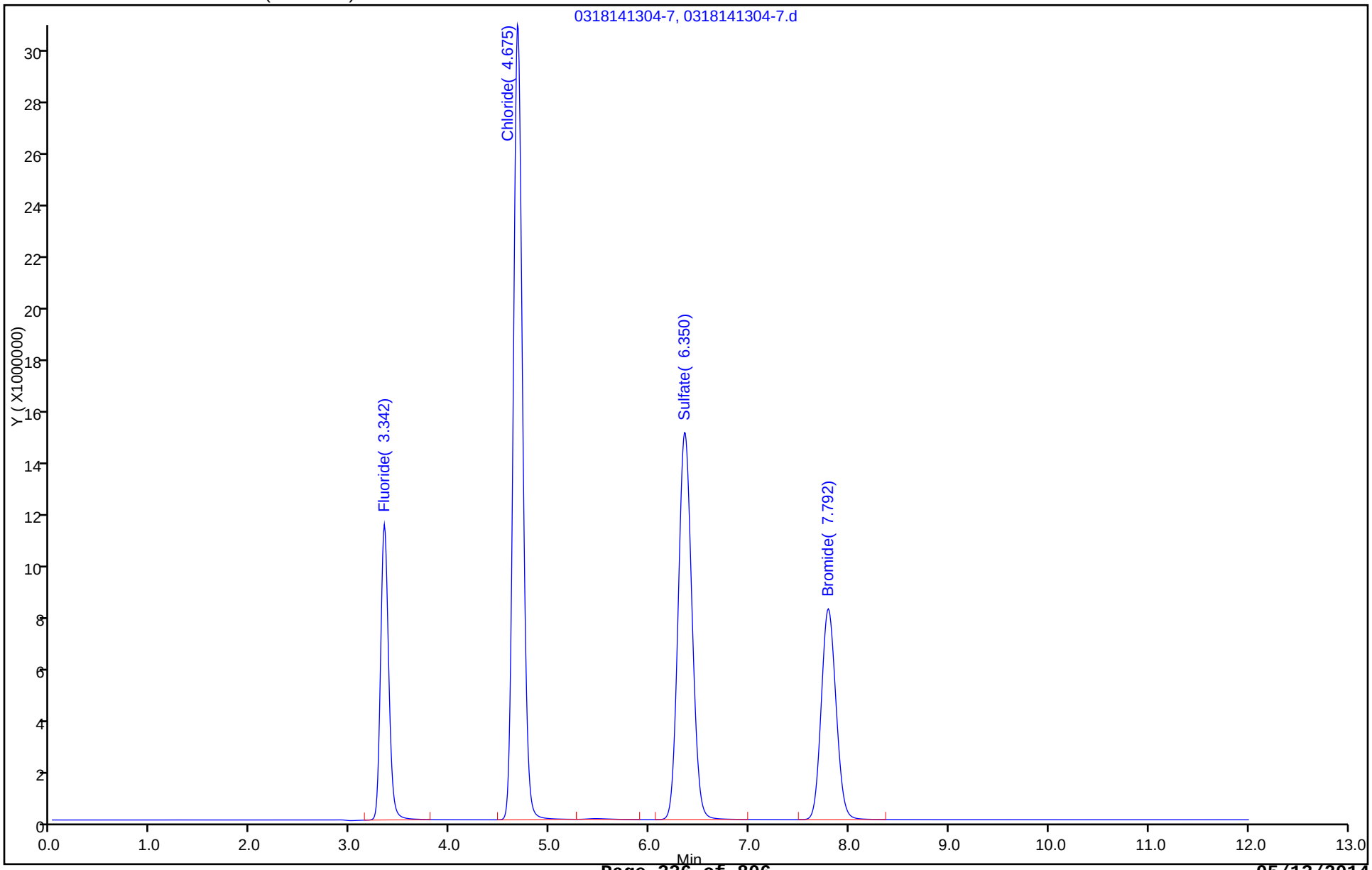
Lims ID: LCS Worklist Smp#: 3

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: LCSD 680-319822/10
Matrix: Water
Lab File ID: 0314142006-15.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/14/2014 20:06
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319822
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.2		0.50	0.25
16984-48-8	Fluoride	2.10		0.10	0.025
16887-00-6	Chloride	9.94		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314142006-15.d				
Lims ID:	LCSD				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	14-Mar-2014 20:06:00	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 1K031414 1K082812A				
Misc. Info.:	15				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:20	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.325	0.008	62959929	2.10	
2 Chloride	4.675	4.667	0.008	194231168	9.94	
3 Sulfate	6.342	6.350	-0.008	140422380	10.2	
4 Bromide	7.800	7.808	-0.008	81881134	9.95	

Report Date: 17-Mar-2014 07:59:23 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314142006-15.d

Injection Date: 14-Mar-2014 20:06:00 Instrument ID: CICK Operator ID:

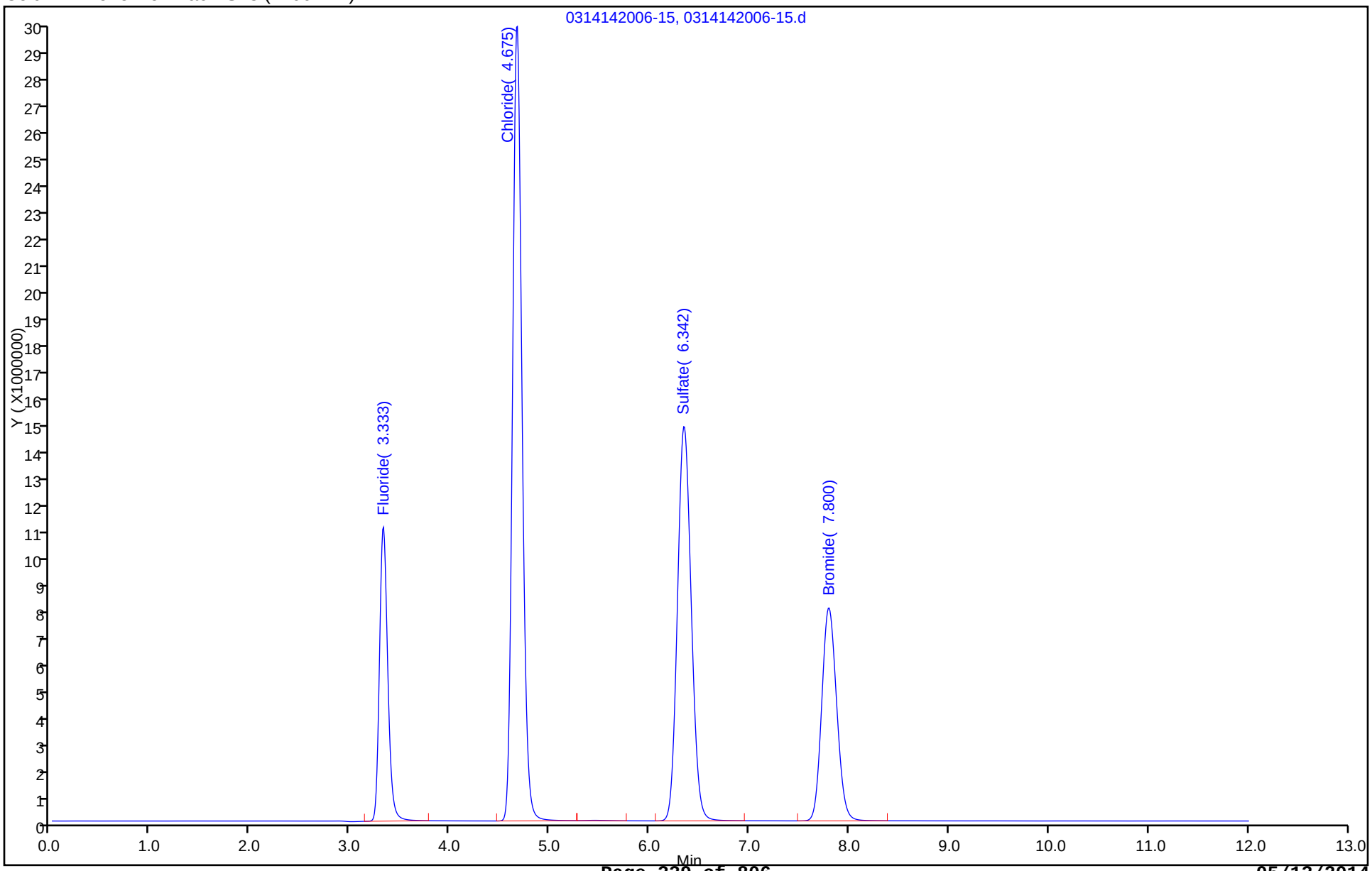
Lims ID: LCSD Worklist Smp#: 10

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: LCSD 680-319823/36
Matrix: Water
Lab File ID: 0315140244-41.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/15/2014 02:44
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319823
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.2		0.50	0.25
16984-48-8	Fluoride	2.10		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140244-41.d				
Lims ID:	LCSD				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	15-Mar-2014 02:44:00	ALS Bottle#:	0	Worklist Smp#:	36
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 2K031414 1K082812A				
Misc. Info.:	11043				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:28	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.342	3.342	0.0	63005956	2.10	
2 Chloride	4.683	4.683	0.0	195620994	10.0	
3 Sulfate	6.350	6.350	0.0	141500591	10.2	
4 Bromide	7.808	7.833	-0.025	82378708	10.0	

Report Date: 17-Mar-2014 07:59:30 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140244-41.d

Injection Date: 15-Mar-2014 02:44:00 Instrument ID: CICK Operator ID:

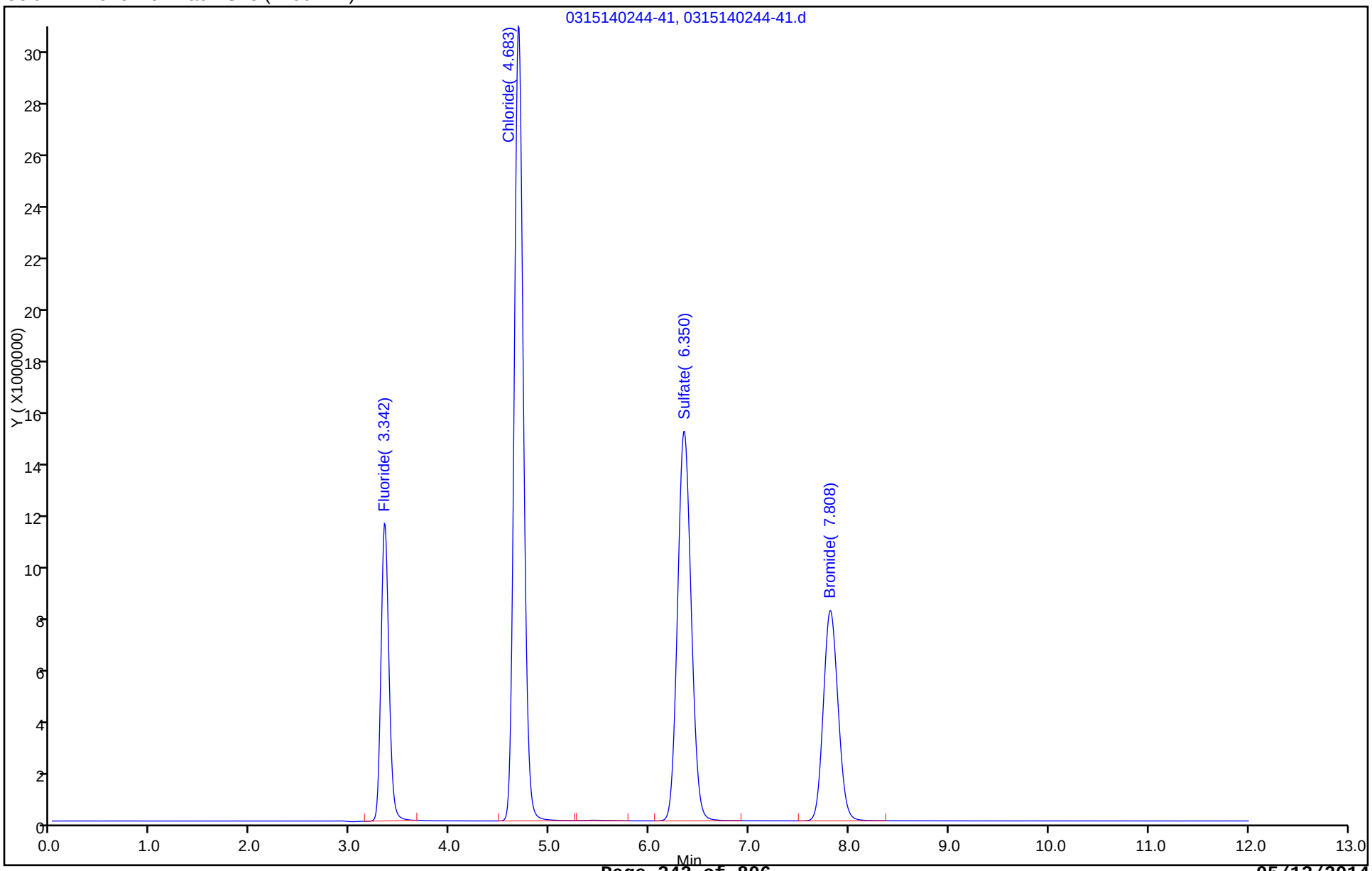
Lims ID: LCSD Worklist Smp#: 36

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: LCSD 680-319854/4
Matrix: Water
Lab File ID: 0317140827-8.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/17/2014 08:27
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319854
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.1		0.50	0.25
16887-00-6	Chloride	9.98		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\0317140827-8.d				
Lims ID:	LCSD				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	17-Mar-2014 08:27:00	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 1K031714 1K082812A				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140317-7201.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:09:11	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.325	0.0	62944685	2.06	
2 Chloride	4.667	4.667	0.0	195842605	9.98	
3 Sulfate	6.333	6.333	0.0	140940669	10.1	
4 Bromide	7.775	7.775	0.0	82476284	9.99	

Report Date: 17-Mar-2014 15:09:12 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7201.b\0317140827-8.d

Injection Date: 17-Mar-2014 08:27:00 Instrument ID: CICK Operator ID:

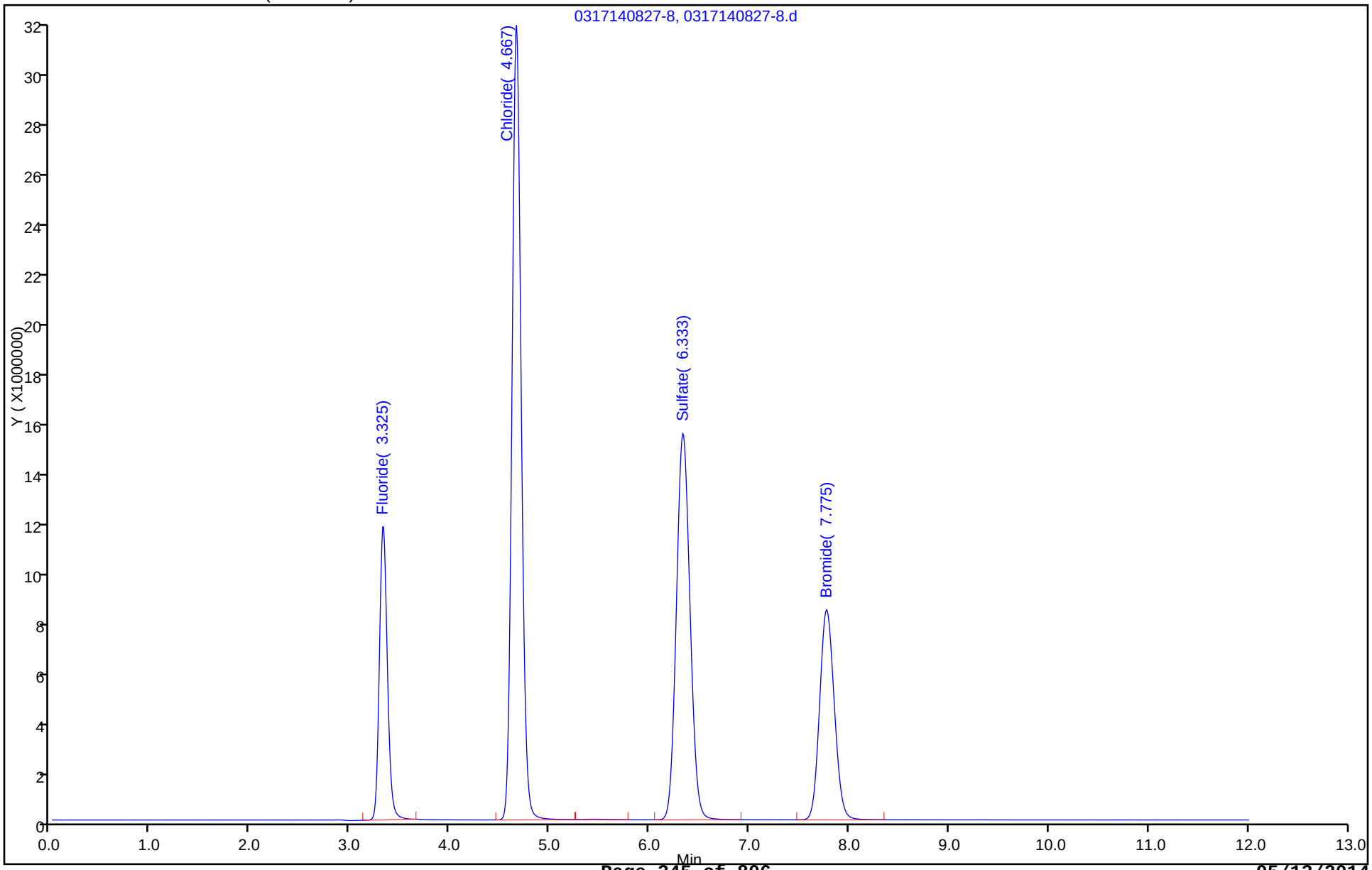
Lims ID: LCSD Worklist Smp#: 4

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: LCSD 680-319868/4
Matrix: Water
Lab File ID: 0317140834-7.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/17/2014 08:34
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319868
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.3		0.50	0.25
16984-48-8	Fluoride	2.06		0.10	0.025
16887-00-6	Chloride	10.0		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317140834-7.d				
Lims ID:	LCSD				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	17-Mar-2014 08:34:00	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 1L031714 connie				
Misc. Info.:	22540				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 15:45:27	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.208	3.200	0.008	74666467	2.06	
2 Chloride	4.417	4.417	0.0	221231275	10.0	
3 Sulfate	5.958	5.958	0.0	170926645	10.3	
4 Bromide	7.200	7.200	0.0	94669726	10.2	

Report Date: 17-Mar-2014 15:45:28 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140317-7209.b\0317140834-7.d

Injection Date: 17-Mar-2014 08:34:00 Instrument ID: CICL Operator ID:

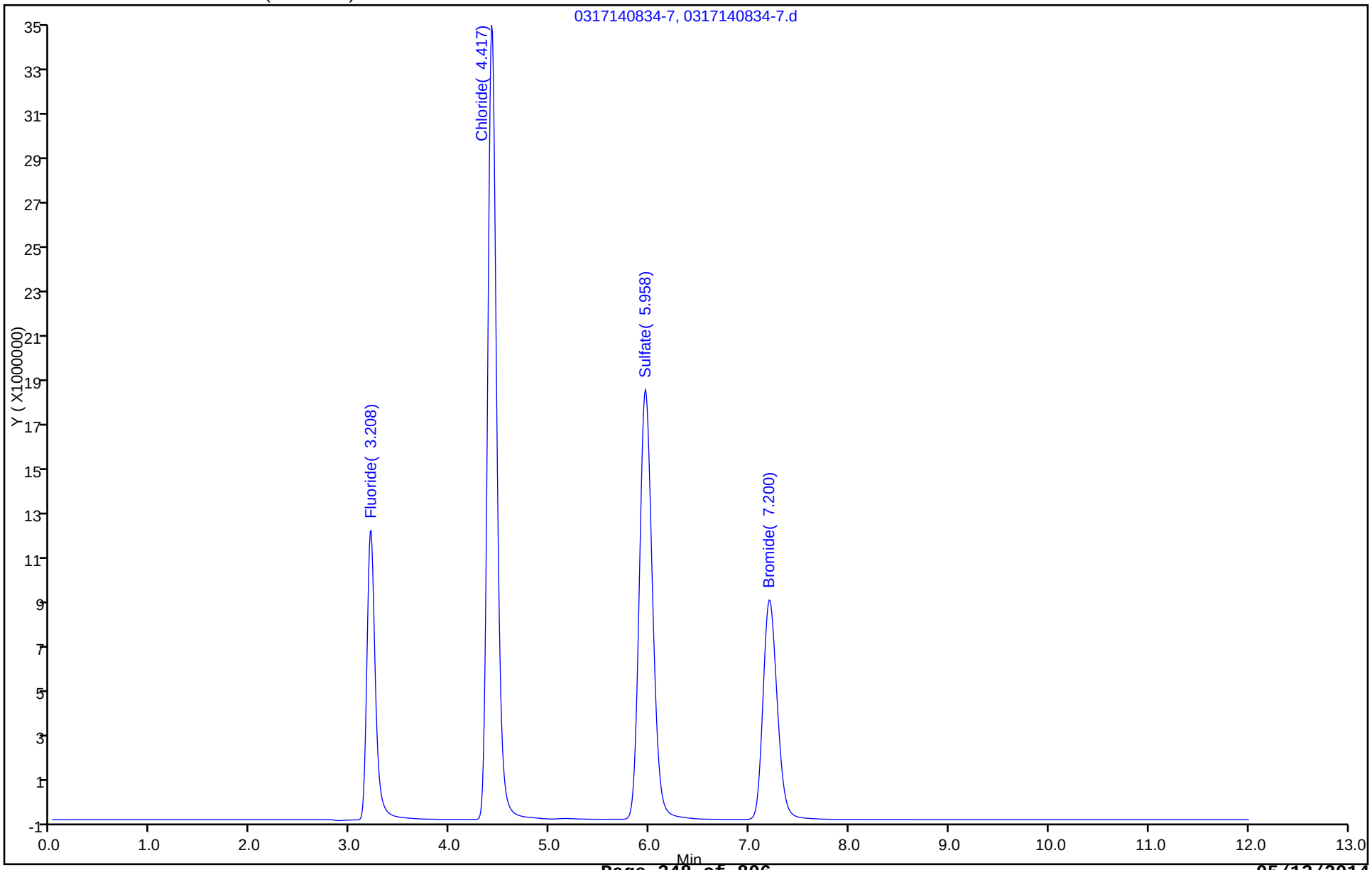
Lims ID: LCSD Worklist Smp#: 4

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: LCSD 680-320074/30
Matrix: Water
Lab File ID: 0317141456-33.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/17/2014 14:56
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 320074
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.2		0.50	0.25
16984-48-8	Fluoride	2.06		0.10	0.025
16887-00-6	Chloride	10.0		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141456-33.d				
Lims ID:	LCSD				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	17-Mar-2014 14:56:00	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 2L031714 connie				
Misc. Info.:	24328				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:25	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.208	-0.008	74738286	2.06	
2 Chloride	4.417	4.425	-0.008	221442874	10.0	
3 Sulfate	5.958	5.958	0.0	169780870	10.2	
4 Bromide	7.208	7.208	0.0	94495642	10.1	

Report Date: 18-Mar-2014 09:36:27 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141456-33.d

Injection Date: 17-Mar-2014 14:56:00 Instrument ID: CICL Operator ID:

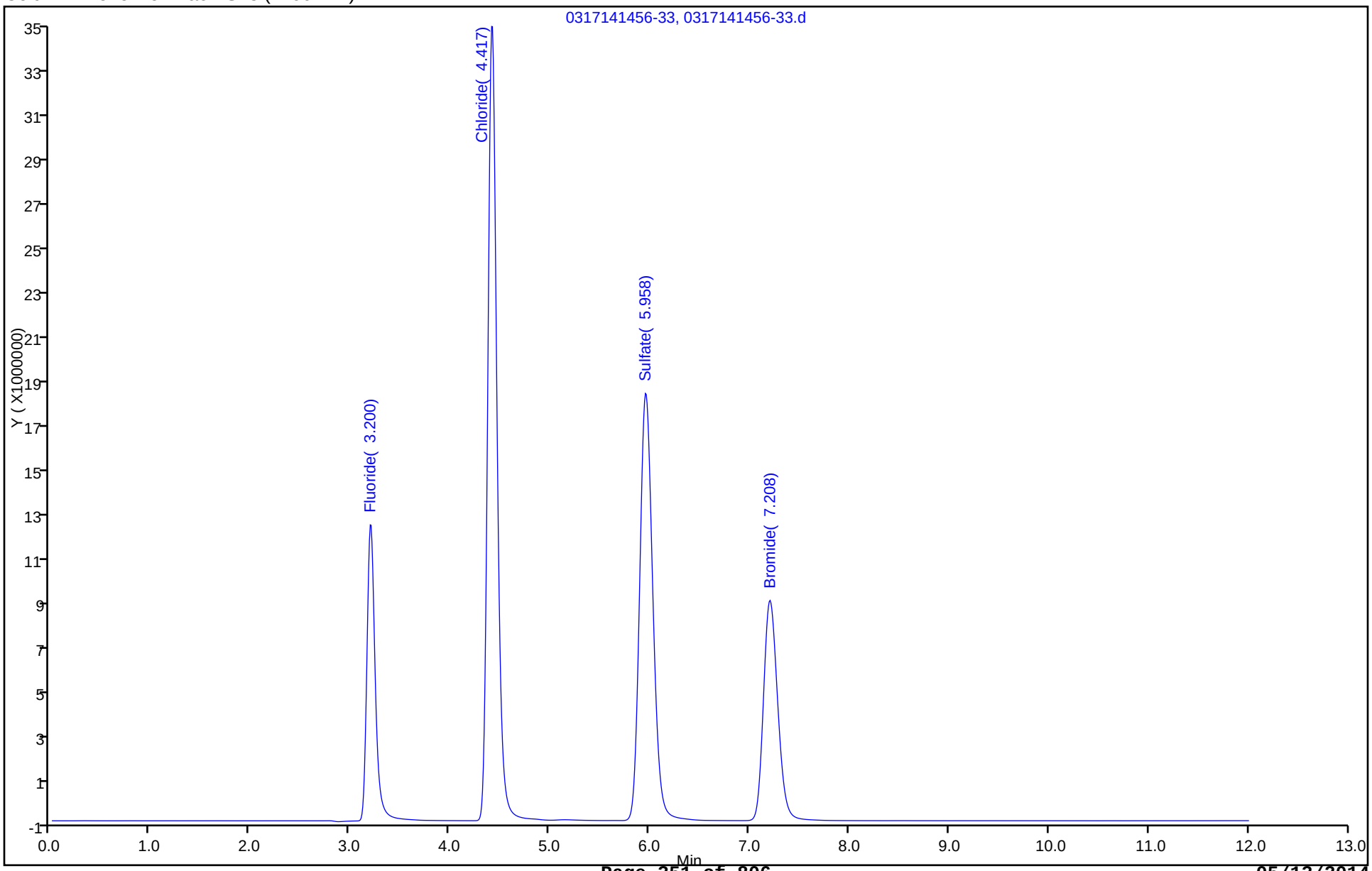
Lims ID: LCSD Worklist Smp#: 30

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: LCSD 680-320146/4
Matrix: Water
Lab File ID: 0318141319-8.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/18/2014 13:19
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 320146
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	9.99		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140318-7258.b\0318141319-8.d				
Lims ID:	LCSD				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	18-Mar-2014 13:19:00	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 1K031814 1K082812A				
Misc. Info.:	14 3492607				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140318-7258.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 14:40:10	Calib Date:	16-Mar-2014 13:01:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK052				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.342	3.342	0.0	63192270	2.07	
2 Chloride	4.683	4.675	0.008	196185719	10.0	
3 Sulfate	6.358	6.350	0.008	140695948	10.1	
4 Bromide	7.800	7.792	0.008	82536665	10.0	

Report Date: 18-Mar-2014 14:40:11 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140318-7258.b\0318141319-8.d

Injection Date: 18-Mar-2014 13:19:00 Instrument ID: CICK Operator ID:

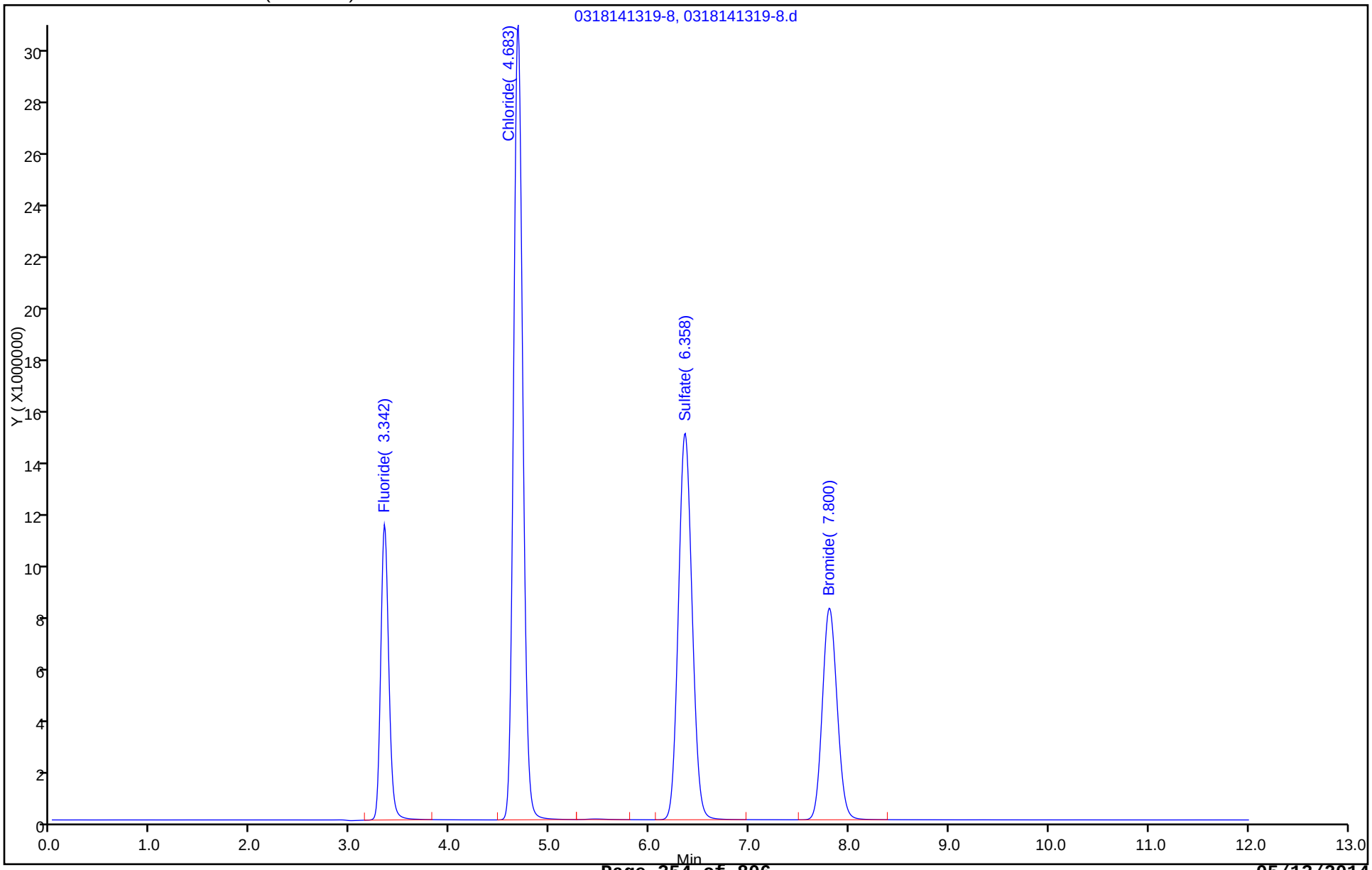
Lims ID: LCSD Worklist Smp#: 4

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW12B MS Lab Sample ID: 680-99116-3 MS

Matrix: Water Lab File ID: 0315140128-36.d

Analysis Method: 300.0 Date Collected: 03/04/2014 15:47

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/15/2014 01:28

Con. Extract Vol.: 5(mL) Dilution Factor: 20

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319822 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	437		10	5.0
16984-48-8	Fluoride	43.7		2.0	0.50
16887-00-6	Chloride	708		10	5.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140128-36.d				
Lims ID:	680-99116-F-3 MS				
Client ID:					
Sample Type:	MS				
Inject. Date:	15-Mar-2014 01:28:00	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	25.0 ul	Dil. Factor:	20.0000		
Sample Info:	680-99116-F-3 MS 1K031414 1K082812A				
Misc. Info.:	23463				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:25	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.358	3.325	0.033	65602100	2.19	
2 Chloride	4.700	4.675	0.025	698372082	35.4	
3 Sulfate	6.333	6.358	-0.025	304144688	21.8	
4 Bromide	7.817	7.808	0.009	85258601	10.4	

Report Date: 17-Mar-2014 07:59:28 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140128-36.d

Injection Date: 15-Mar-2014 01:28:00 Instrument ID: CICK Operator ID:

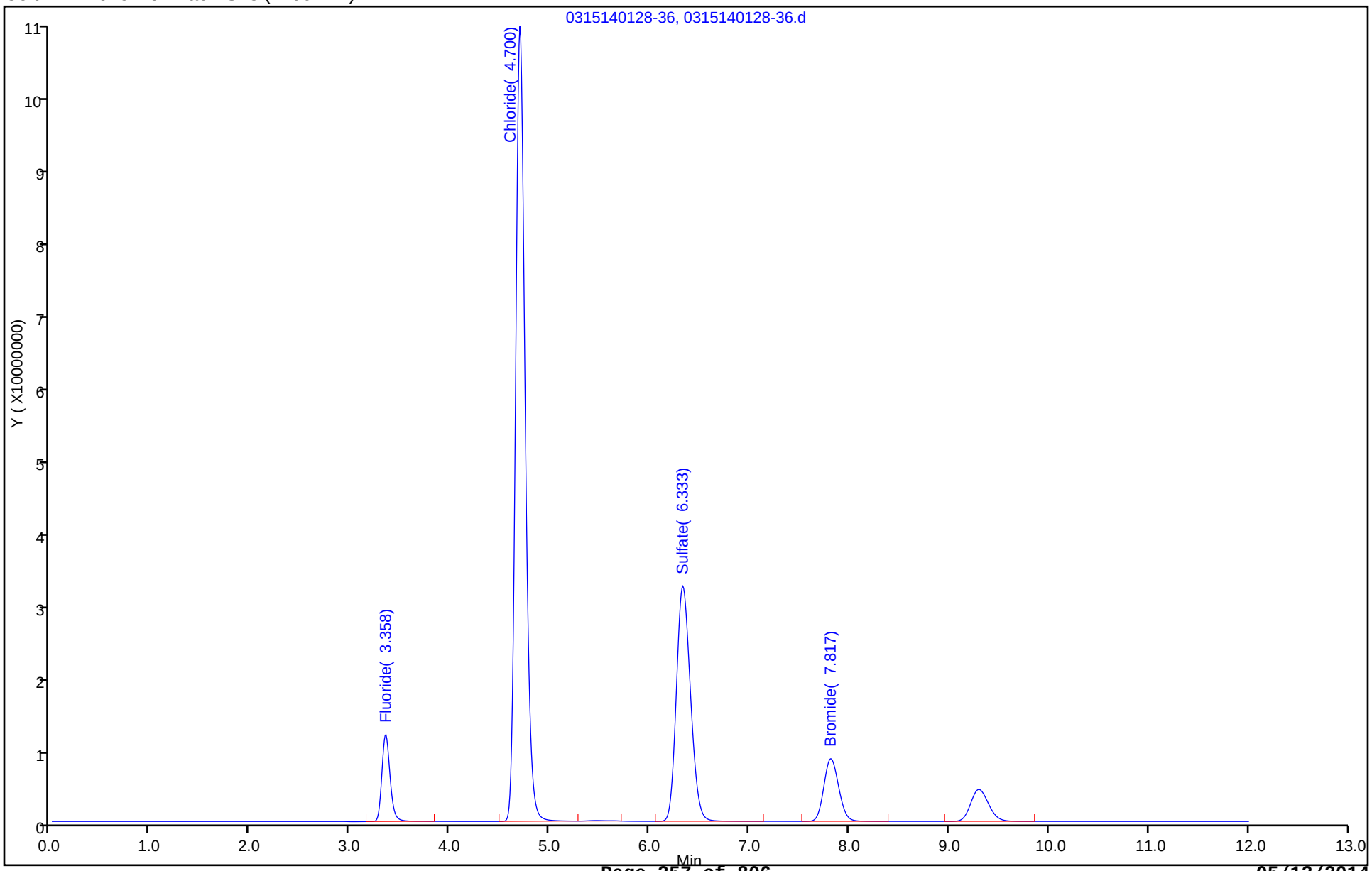
Lims ID: 680-99116-F-3 MS Worklist Smp#: 31

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 20.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW07B MS Lab Sample ID: 680-99116-8 MS

Matrix: Water Lab File ID: 0315140502-50.d

Analysis Method: 300.0 Date Collected: 03/04/2014 11:52

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/15/2014 05:02

Con. Extract Vol.: 5(mL) Dilution Factor: 100

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319823 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	2170		50	25
16984-48-8	Fluoride	215		10	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140502-50.d
Lims ID: 680-99116-F-8 MS
Client ID:
Sample Type: MS
Inject. Date: 15-Mar-2014 05:02:00 ALS Bottle#: 0 Worklist Smp#: 45
Injection Vol: 25.0 ul Dil. Factor: 100.0000
Sample Info: 680-99116-F-8 MS 2K031414 1K082812A
Misc. Info.: 20668
Operator ID: Instrument ID: CICK

Method: \\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 17-Mar-2014 07:59:28 Calib Date: 14-Mar-2014 19:20:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d

Column 1 : Dionex Ion Pac AS18 (4.00 mm) Det: 0118131406-12
Process Host: XAWRK021

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.342	-0.017	64504657	2.15	
2 Chloride	4.617	4.683	-0.066	8055199653	407.3	E
3 Sulfate	6.325	6.350	-0.025	301549662	21.7	
4 Bromide	7.792	7.833	-0.041	84213154	10.2	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Report Date: 17-Mar-2014 07:59:31 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140502-50.d

Injection Date: 15-Mar-2014 05:02:00 Instrument ID: CICK Operator ID:

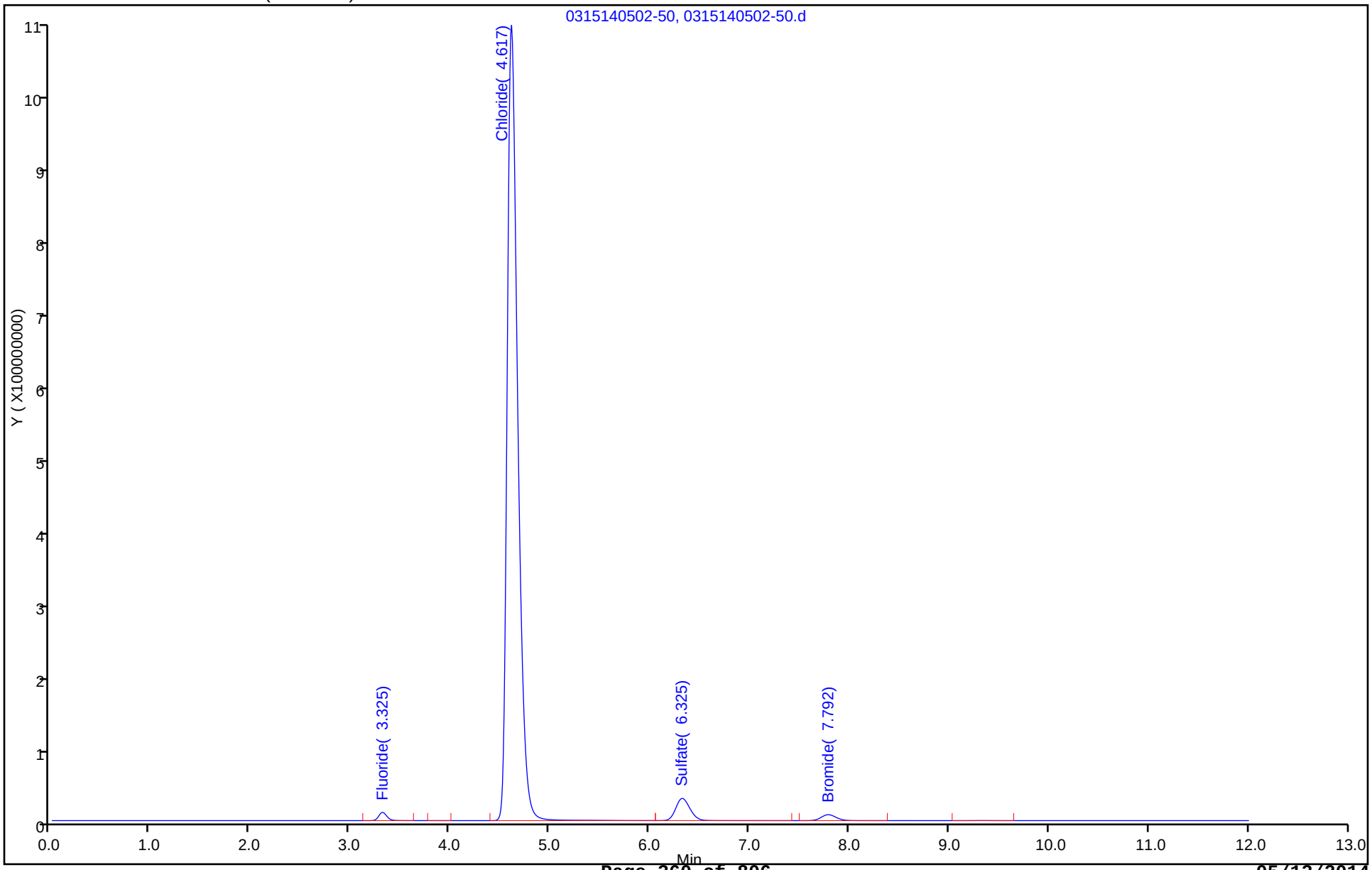
Lims ID: 680-99116-F-8 MS Worklist Smp#: 45

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 100.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW08 SPRING MS Lab Sample ID: 680-99116-12 MS

Matrix: Water Lab File ID: 0317141637-40.d

Analysis Method: 300.0 Date Collected: 03/04/2014 13:38

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/17/2014 16:37

Con. Extract Vol.: 5(mL) Dilution Factor: 10

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 320074 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	139		5.0	2.5
16984-48-8	Fluoride	21.5		1.0	0.25
16887-00-6	Chloride	510		5.0	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141637-40.d				
Lims ID:	680-99116-F-12 MS				
Client ID:					
Sample Type:	MS				
Inject. Date:	17-Mar-2014 16:37:00	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	25.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-99116-F-12 MS 2L031714 connie				
Misc. Info.:	14966				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:25	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.208	-0.008	77967069	2.15	
2 Chloride	4.408	4.425	-0.017	1131902434	51.0	E
3 Sulfate	5.950	5.958	-0.008	231199658	13.9	
4 Bromide	7.208	7.208	0.0	95769672	10.3	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Report Date: 18-Mar-2014 09:36:29 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141637-40.d

Injection Date: 17-Mar-2014 16:37:00 Instrument ID: CICL Operator ID:

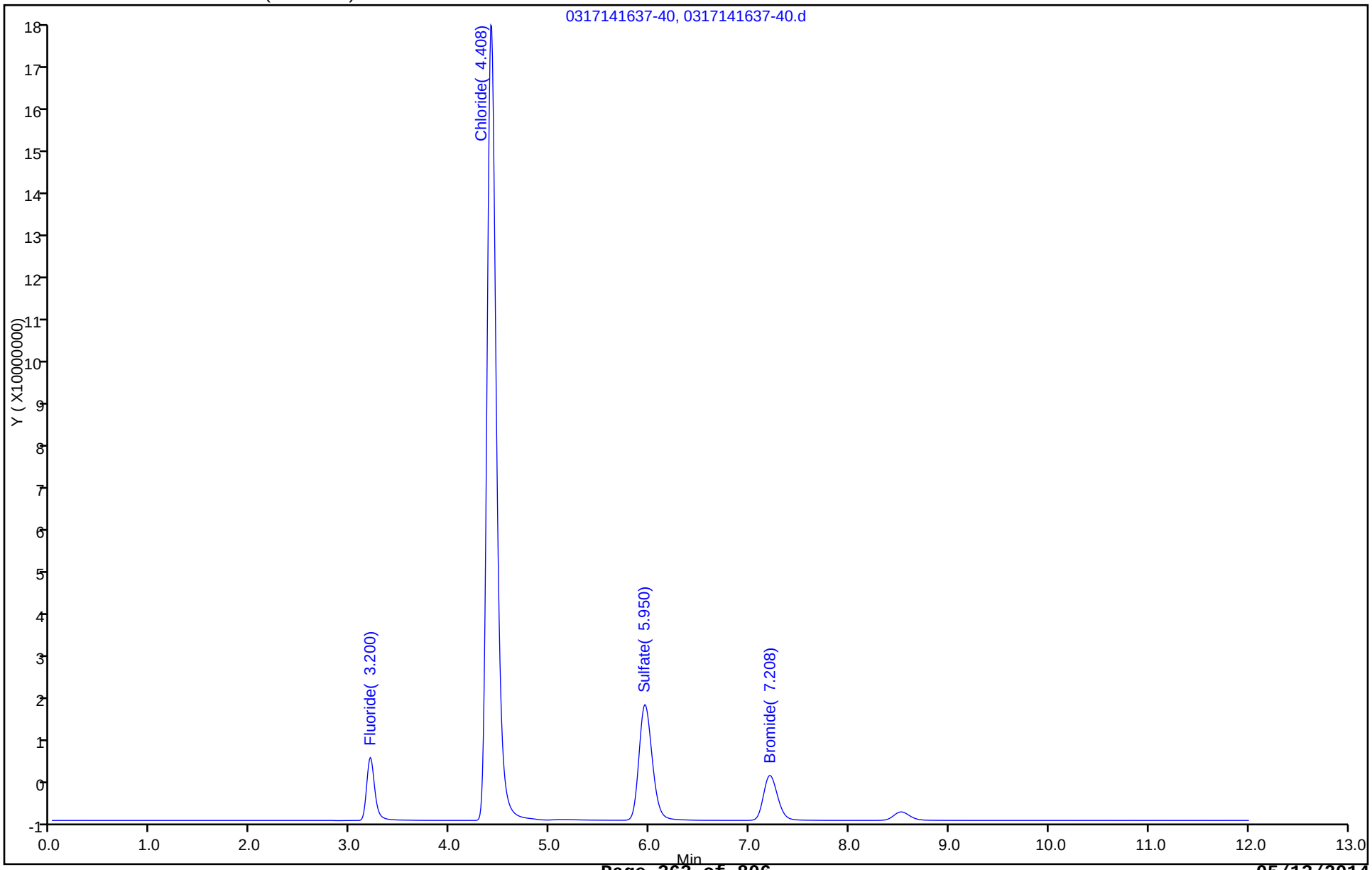
Lims ID: 680-99116-F-12 MS Worklist Smp#: 37

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 10.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW12B MSD Lab Sample ID: 680-99116-3 MSD

Matrix: Water Lab File ID: 0315140143-37.d

Analysis Method: 300.0 Date Collected: 03/04/2014 15:47

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/15/2014 01:43

Con. Extract Vol.: 5(mL) Dilution Factor: 20

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319822 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	440		10	5.0
16984-48-8	Fluoride	43.9		2.0	0.50
16887-00-6	Chloride	709		10	5.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140143-37.d				
Lims ID:	680-99116-F-3 MSD				
Client ID:					
Sample Type:	MSD				
Inject. Date:	15-Mar-2014 01:43:00	ALS Bottle#:	0	Worklist Smp#:	32
Injection Vol:	25.0 ul	Dil. Factor:	20.0000		
Sample Info:	680-99116-F-3 MSD 1K031414 1K082812A				
Misc. Info.:	31593				
Operator ID:		Instrument ID:	CICK		
Method:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	17-Mar-2014 07:59:25	Calib Date:	14-Mar-2014 19:20:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0118131406-12		
Process Host:	XAWRK021				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.358	3.325	0.033	65865129	2.20	
2 Chloride	4.700	4.675	0.025	699320087	35.5	
3 Sulfate	6.325	6.358	-0.033	306070662	22.0	
4 Bromide	7.825	7.808	0.017	85849695	10.4	

Report Date: 17-Mar-2014 07:59:28 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140143-37.d

Injection Date: 15-Mar-2014 01:43:00 Instrument ID: CICK Operator ID:

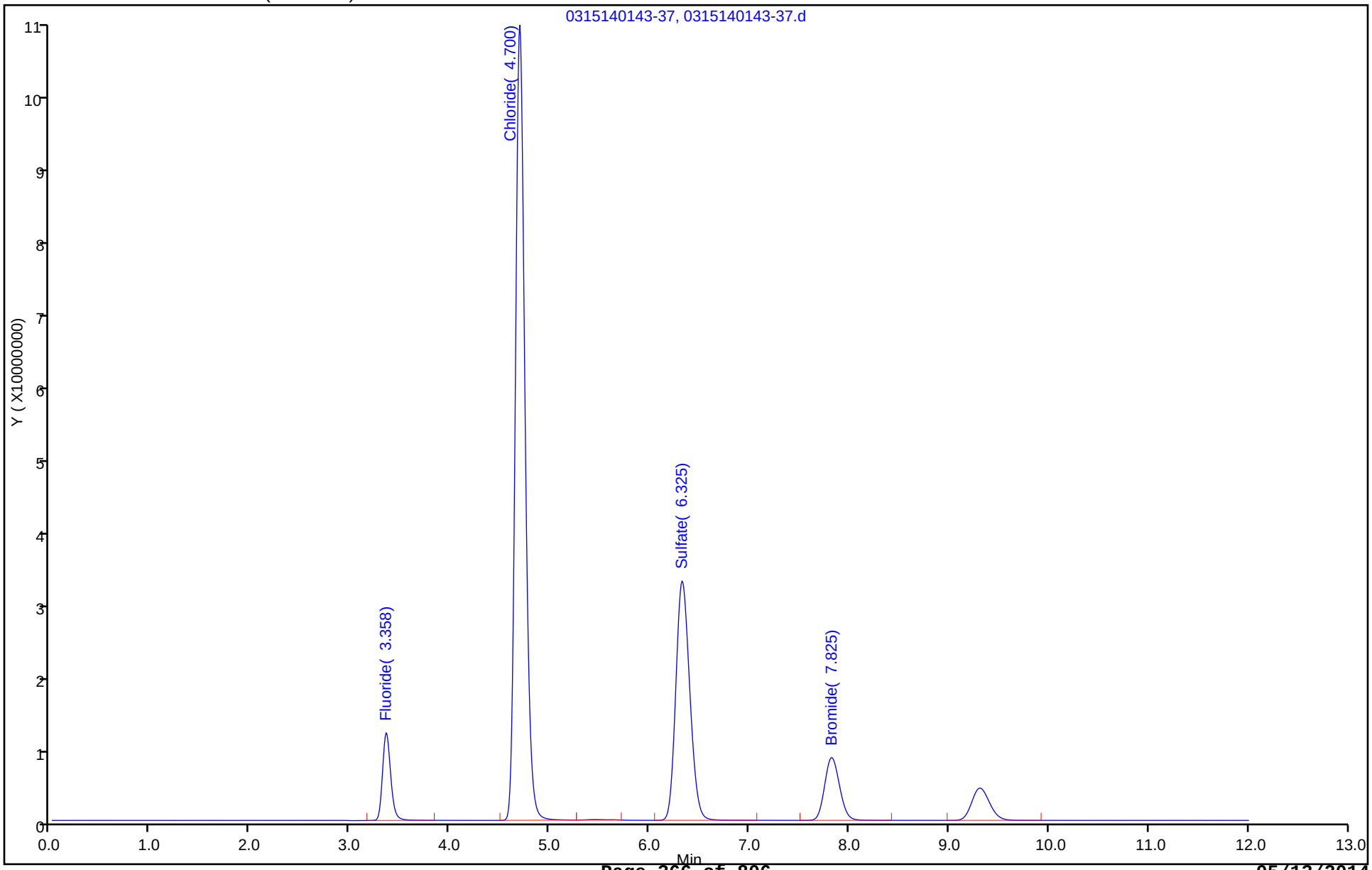
Lims ID: 680-99116-F-3 MSD Worklist Smp#: 32

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 20.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW07B MSD Lab Sample ID: 680-99116-8 MSD

Matrix: Water Lab File ID: 0315140518-51.d

Analysis Method: 300.0 Date Collected: 03/04/2014 11:52

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/15/2014 05:18

Con. Extract Vol.: 5(mL) Dilution Factor: 100

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319823 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	2180		50	25
16984-48-8	Fluoride	215		10	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140518-51.d
Lims ID: 680-99116-F-8 MSD
Client ID:
Sample Type: MSD
Inject. Date: 15-Mar-2014 05:18:00 ALS Bottle#: 0 Worklist Smp#: 46
Injection Vol: 25.0 ul Dil. Factor: 100.0000
Sample Info: 680-99116-F-8 MSD 2K031414 1K082812A
Misc. Info.: 10730
Operator ID: Instrument ID: CICK

Method: \\SAVCHROM\ChromData\CICK\20140316-7187.b\300.0_9056A_CICK.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 17-Mar-2014 07:59:28 Calib Date: 14-Mar-2014 19:20:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314141920-12.d

Column 1 : Dionex Ion Pac AS18 (4.00 mm) Det: 0118131406-12
Process Host: XAWRK021

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.342	-0.017	64623725	2.15	
2 Chloride	4.617	4.683	-0.066	8065315728	407.8	E
3 Sulfate	6.333	6.350	-0.017	303105660	21.8	
4 Bromide	7.792	7.833	-0.041	84560646	10.3	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Report Date: 17-Mar-2014 07:59:31 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0315140518-51.d

Injection Date: 15-Mar-2014 05:18:00 Instrument ID: CICK Operator ID:

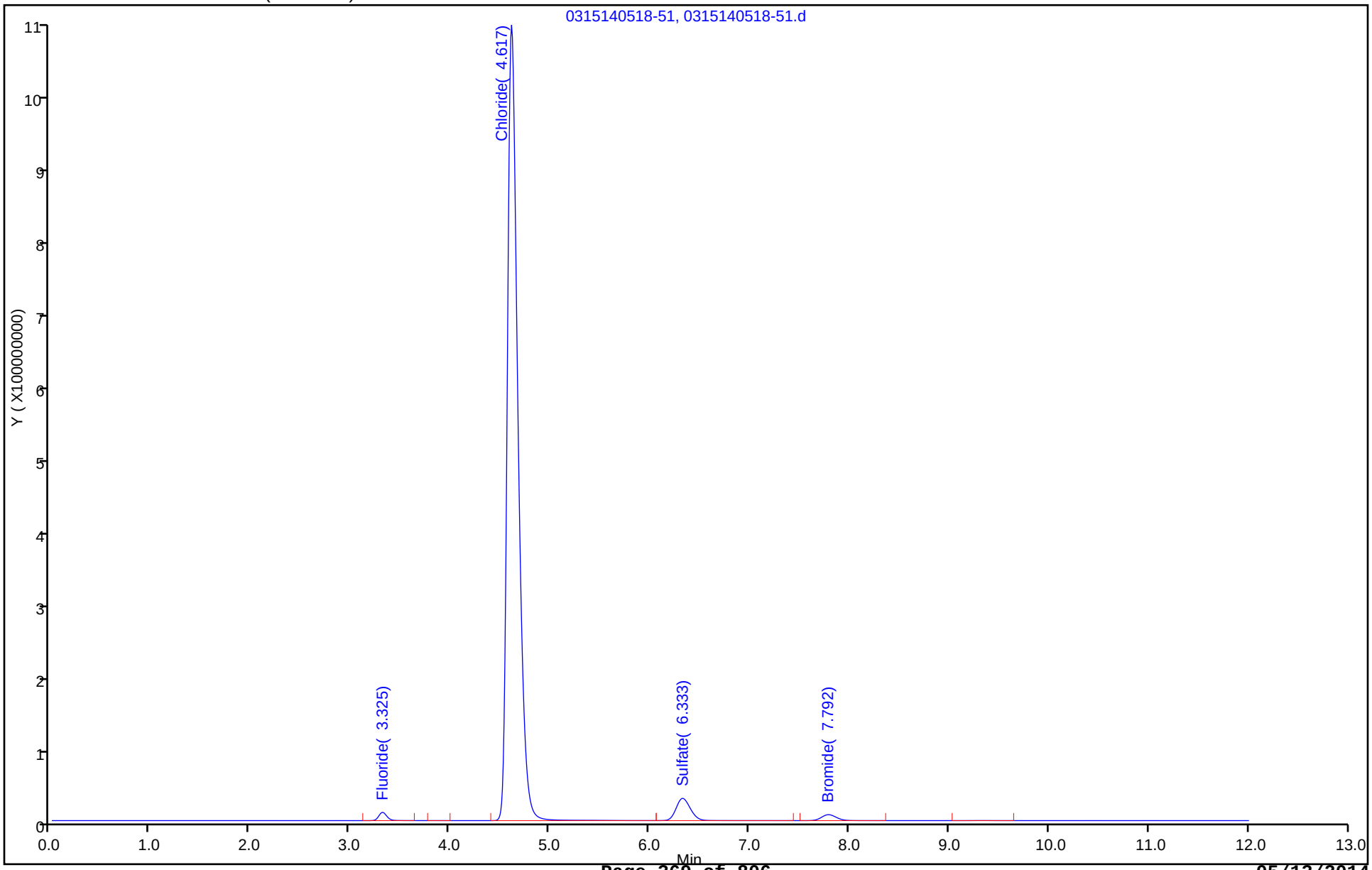
Lims ID: 680-99116-F-8 MSD Worklist Smp#: 46

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 100.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW08 SPRING MSD Lab Sample ID: 680-99116-12 MSD

Matrix: Water Lab File ID: 0317141651-41.d

Analysis Method: 300.0 Date Collected: 03/04/2014 13:38

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/17/2014 16:51

Con. Extract Vol.: 5(mL) Dilution Factor: 10

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 320074 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	140		5.0	2.5
16984-48-8	Fluoride	21.7		1.0	0.25
16887-00-6	Chloride	511		5.0	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141651-41.d				
Lims ID:	680-99116-F-12 MSD				
Client ID:					
Sample Type:	MSD				
Inject. Date:	17-Mar-2014 16:51:00	ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	25.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-99116-F-12 MSD 2L031714 connie				
Misc. Info.:	4884				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140317-7209.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:36:25	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK001				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.208	-0.008	78504140	2.17	
2 Chloride	4.417	4.425	-0.008	1133302371	51.1	E
3 Sulfate	5.958	5.958	0.0	232726357	14.0	
4 Bromide	7.208	7.208	0.0	96628832	10.4	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Report Date: 18-Mar-2014 09:36:30 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140317-7209.b\0317141651-41.d

Injection Date: 17-Mar-2014 16:51:00 Instrument ID: CICL Operator ID:

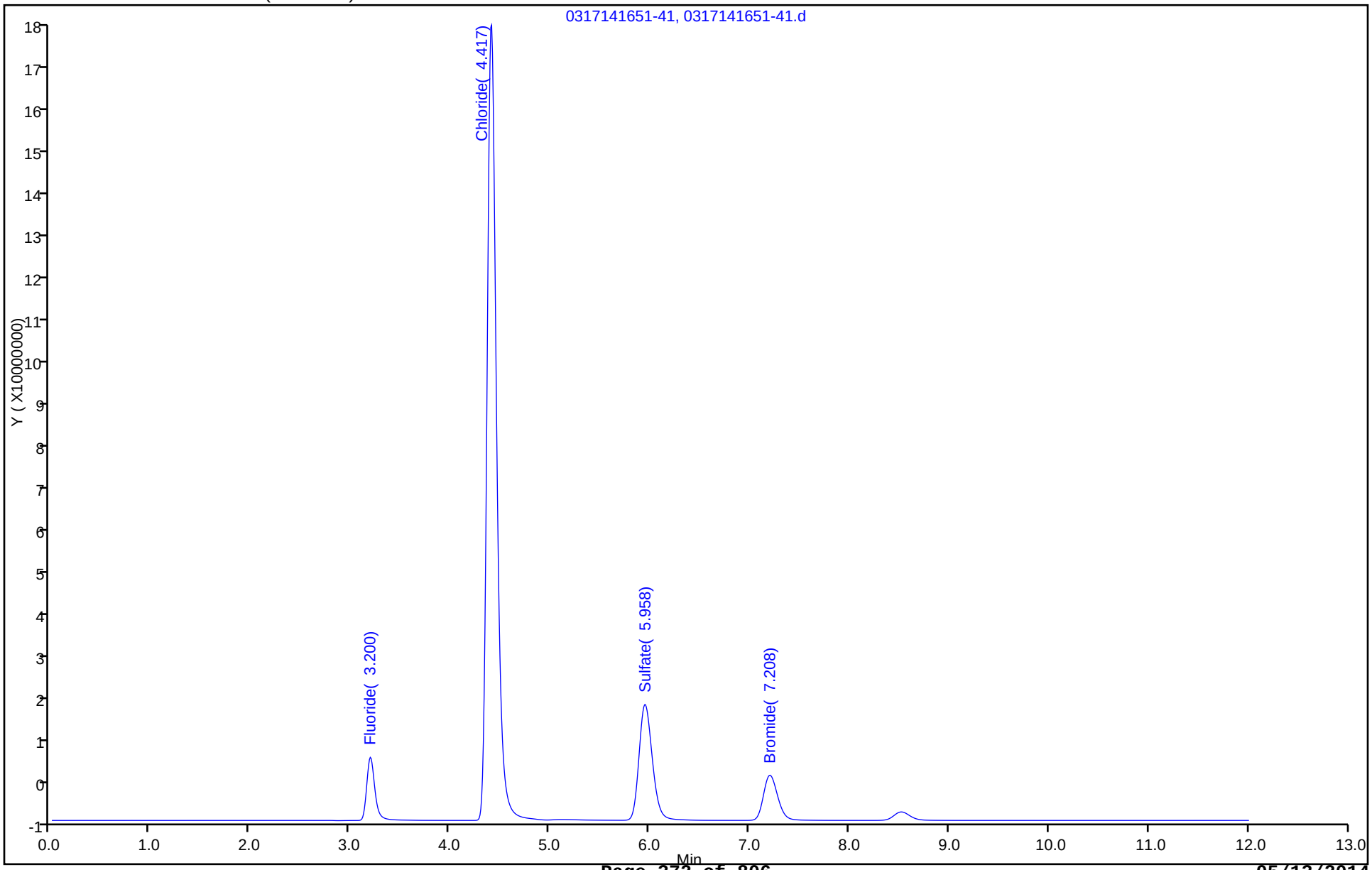
Lims ID: 680-99116-F-12 MSD Worklist Smp#: 38

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 10.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW07A DU Lab Sample ID: 680-99116-4 DU

Matrix: Water Lab File ID: 0317141014-15.d

Analysis Method: 300.0 Date Collected: 03/04/2014 09:40

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/17/2014 10:14

Con. Extract Vol.: 1(mL) Dilution Factor: 500

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319854 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	1030		250	130
16887-00-6	Chloride	16500		250	130

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICK\20140317-7201.b\0317141014-15.d
Lims ID: 680-99116-F-4 MS
Client ID:
Sample Type: MS
Inject. Date: 17-Mar-2014 10:14:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 25.0 ul Dil. Factor: 500.0000
Sample Info: 680-99116-F-4 MS 1K031714 1K082812A
Misc. Info.: 17867
Operator ID: Instrument ID: CICK

Method: \\SAVCHROM\ChromData\CICK\20140317-7201.b\300.0_9056A_CICK.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 17-Mar-2014 15:09:11 Calib Date: 16-Mar-2014 13:01:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141301-12.d

Column 1 : Dionex Ion Pac AS18 (4.00 mm) Det: 0118131406-12
Process Host: XAWRK021

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.325	0.0	309091	0.0196	
2 Chloride	4.667	4.667	0.0	650230543	32.9	
3 Sulfate	6.358	6.333	0.025	26801585	2.05	

Report Date: 17-Mar-2014 15:09:14 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7201.b\0317141014-15.d

Injection Date: 17-Mar-2014 10:14:00 Instrument ID: CICK Operator ID:

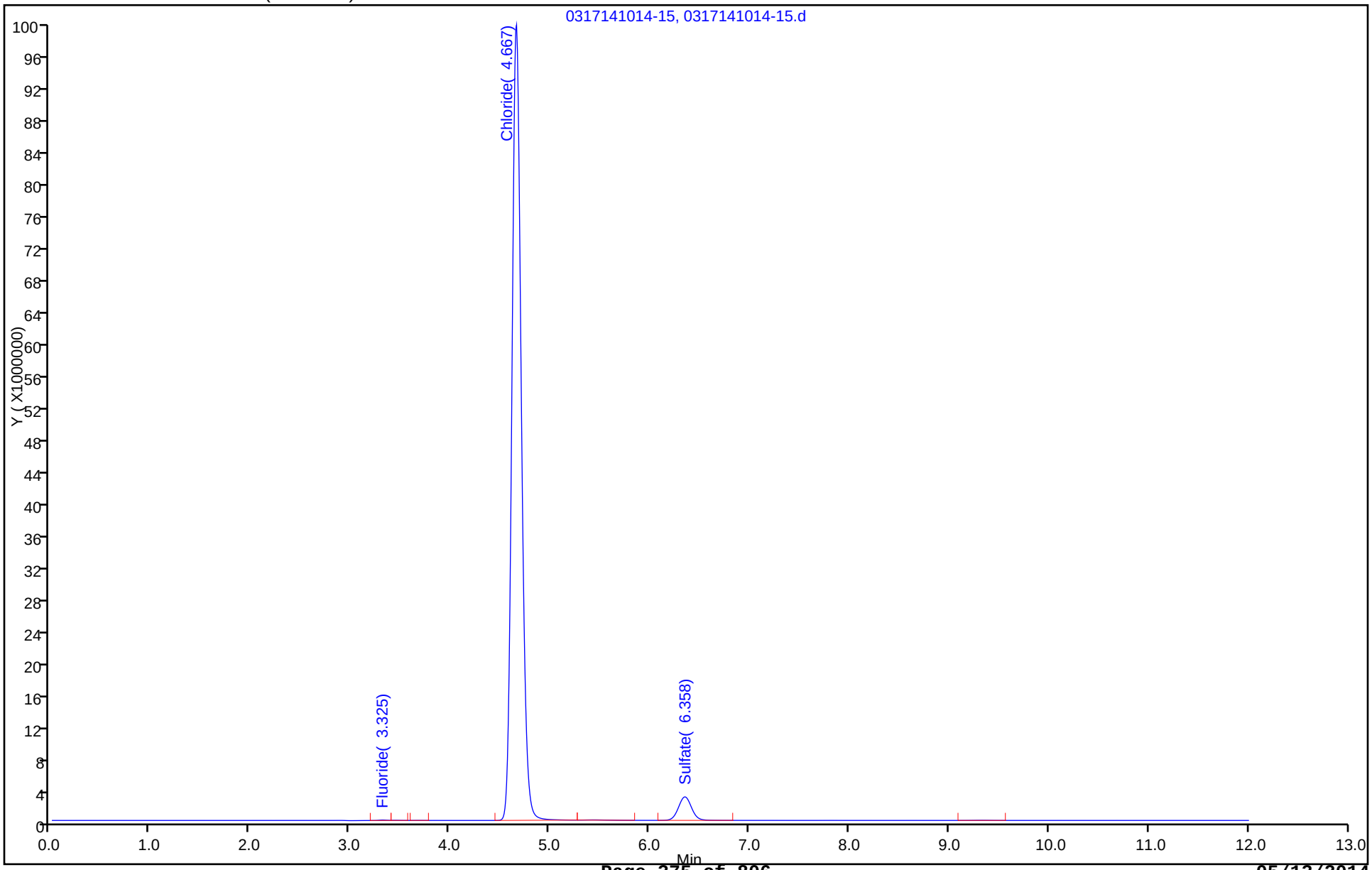
Lims ID: 680-99116-F-4 MS Worklist Smp#: 11

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 500.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICK Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: CICK Start Date: 03/14/2014 17:48

Analysis Batch Number: 319822 End Date: 03/15/2014 02:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 680-319822/1		03/14/2014 17:48	1	0314141748-6.d	Dionex AS18 4(mm)
IC 680-319822/2		03/14/2014 18:03	1	0314141803-7.d	Dionex AS18 4(mm)
IC 680-319822/3		03/14/2014 18:19	1	0314141819-8.d	Dionex AS18 4(mm)
IC 680-319822/4		03/14/2014 18:34	1	0314141834-9.d	Dionex AS18 4(mm)
IC 680-319822/5		03/14/2014 18:49	1	0314141849-10.d	Dionex AS18 4(mm)
IC 680-319822/6		03/14/2014 19:05	1	0314141905-11.d	Dionex AS18 4(mm)
IC 680-319822/7		03/14/2014 19:20	1	0314141920-12.d	Dionex AS18 4(mm)
MB 680-319822/8		03/14/2014 19:35	1	0314141935-13.d	Dionex AS18 4(mm)
ICB 680-319822/1008		03/14/2014 19:35	1	0314141935-13-ICB.d	Dionex AS18 4(mm)
LCS 680-319822/9		03/14/2014 19:51	1	0314141951-14.d	Dionex AS18 4(mm)
ICV 680-319822/1009		03/14/2014 19:51	1	0314141951-14-ICV.d	Dionex AS18 4(mm)
LCSD 680-319822/10		03/14/2014 20:06	1	0314142006-15.d	Dionex AS18 4(mm)
ZZZZZ		03/14/2014 20:37	1		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 21:23	1		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 21:38	4		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 21:53	1		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 22:09	1		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 22:24	1		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 22:39	1		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 22:55	1		Dionex AS18 4(mm)
CCV 680-319822/22		03/14/2014 23:10	1	0314142310-27.d	Dionex AS18 4(mm)
CCB 680-319822/23		03/14/2014 23:25	1	0314142325-28.d	Dionex AS18 4(mm)
ZZZZZ		03/14/2014 23:40	1		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 23:56	1		Dionex AS18 4(mm)
680-99116-1	SMSMW11B	03/15/2014 00:11	4	0315140011-31.d	Dionex AS18 4(mm)
680-99116-2	SMSMW13A	03/15/2014 00:26	2	0315140026-32.d	Dionex AS18 4(mm)
680-99116-2	SMSMW13A	03/15/2014 00:42	10	0315140042-33.d	Dionex AS18 4(mm)
680-99116-3	SMSMW12B	03/15/2014 01:12	20	0315140112-35.d	Dionex AS18 4(mm)
680-99116-3 MS	SMSMW12B MS	03/15/2014 01:28	20	0315140128-36.d	Dionex AS18 4(mm)
680-99116-3 MSD	SMSMW12B MSD	03/15/2014 01:43	20	0315140143-37.d	Dionex AS18 4(mm)
CCV 680-319822/33		03/15/2014 01:58	1	0315140158-38.d	Dionex AS18 4(mm)
CCB 680-319822/34		03/15/2014 02:14	1	0315140214-39.d	Dionex AS18 4(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: CICK Start Date: 03/15/2014 01:58

Analysis Batch Number: 319823 End Date: 03/15/2014 05:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-319823/33		03/15/2014 01:58	1	0315140158-38.d	Dionex AS18 4(mm)
MB 680-319823/34		03/15/2014 02:14	1	0315140214-39.d	Dionex AS18 4(mm)
LCS 680-319823/35		03/15/2014 02:29	1	0315140229-40.d	Dionex AS18 4(mm)
LCSD 680-319823/36		03/15/2014 02:44	1	0315140244-41.d	Dionex AS18 4(mm)
680-99116-4	SMSMW07A	03/15/2014 03:00	4	0315140300-42.d	Dionex AS18 4(mm)
680-99116-4	SMSMW07A	03/15/2014 03:15	10	0315140315-43.d	Dionex AS18 4(mm)
680-99116-5	SMSMW13B	03/15/2014 03:30	1	0315140330-44.d	Dionex AS18 4(mm)
680-99116-6	SMSSW20	03/15/2014 03:46	1	0315140346-45.d	Dionex AS18 4(mm)
680-99116-8	SMSMW07B	03/15/2014 04:47	100	0315140447-49.d	Dionex AS18 4(mm)
680-99116-8 MS	SMSMW07B MS	03/15/2014 05:02	100	0315140502-50.d	Dionex AS18 4(mm)
680-99116-8 MSD	SMSMW07B MSD	03/15/2014 05:18	100	0315140518-51.d	Dionex AS18 4(mm)
CCV 680-319823/47		03/15/2014 05:33	1	0315140533-52.d	Dionex AS18 4(mm)
CCB 680-319823/48		03/15/2014 05:48	1	0315140548-53.d	Dionex AS18 4(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: CICK Start Date: 03/16/2014 11:29

Analysis Batch Number: 319850 End Date: 03/16/2014 16:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 680-319850/1		03/16/2014 11:29	1	0316141129-6.d	Dionex AS18 4(mm)
IC 680-319850/2		03/16/2014 11:44	1	0316141144-7.d	Dionex AS18 4(mm)
IC 680-319850/3		03/16/2014 11:59	1	0316141159-8.d	Dionex AS18 4(mm)
IC 680-319850/4		03/16/2014 12:15	1	0316141215-9.d	Dionex AS18 4(mm)
IC 680-319850/5		03/16/2014 12:30	1	0316141230-10.d	Dionex AS18 4(mm)
IC 680-319850/6		03/16/2014 12:45	1	0316141245-11.d	Dionex AS18 4(mm)
IC 680-319850/7		03/16/2014 13:01	1	0316141301-12.d	Dionex AS18 4(mm)
ZZZZZ		03/16/2014 13:16	1		Dionex AS18 4(mm)
ICB 680-319850/1008		03/16/2014 13:16	1	0316141316-13-ICB.d	Dionex AS18 4(mm)
ZZZZZ		03/16/2014 13:31	1		Dionex AS18 4(mm)
ICV 680-319850/1009		03/16/2014 13:31	1		Dionex AS18 4(mm)
ZZZZZ		03/16/2014 13:47	1		Dionex AS18 4(mm)
ZZZZZ		03/16/2014 14:17	50		Dionex AS18 4(mm)
ZZZZZ		03/16/2014 14:33	25		Dionex AS18 4(mm)
ZZZZZ		03/16/2014 14:48	2		Dionex AS18 4(mm)
ZZZZZ		03/16/2014 15:03	4		Dionex AS18 4(mm)
ZZZZZ		03/16/2014 15:19	4		Dionex AS18 4(mm)
ZZZZZ		03/16/2014 15:34	4		Dionex AS18 4(mm)
ZZZZZ		03/16/2014 15:49	2		Dionex AS18 4(mm)
ZZZZZ		03/16/2014 16:05	4		Dionex AS18 4(mm)
CCV 680-319850/20		03/16/2014 16:20	1		Dionex AS18 4(mm)
CCB 680-319850/21		03/16/2014 16:35	1		Dionex AS18 4(mm)

300.0

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: CICK Start Date: 03/17/2014 07:41

Analysis Batch Number: 319854 End Date: 03/17/2014 14:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-319854/1		03/17/2014 07:41	1	0317140741-5.d	Dionex AS18 4(mm)
MB 680-319854/2		03/17/2014 07:56	1	0317140756-6.d	Dionex AS18 4(mm)
LCS 680-319854/3		03/17/2014 08:12	1	0317140812-7.d	Dionex AS18 4(mm)
LCSD 680-319854/4		03/17/2014 08:27	1	0317140827-8.d	Dionex AS18 4(mm)
680-99116-1	SMSMW11B	03/17/2014 09:13	100	0317140913-11.d	Dionex AS18 4(mm)
680-99116-4	SMSMW07A	03/17/2014 09:43	50	0317140943-13.d	Dionex AS18 4(mm)
680-99116-4	SMSMW07A	03/17/2014 09:59	500	0317140959-14.d	Dionex AS18 4(mm)
680-99116-4 DU	SMSMW07A DU	03/17/2014 10:14	500	0317141014-15.d	Dionex AS18 4(mm)
680-99116-5	SMSMW13B	03/17/2014 10:45	4	0317141045-17.d	Dionex AS18 4(mm)
680-99116-7	SMSMW11A	03/17/2014 11:00	10	0317141100-18.d	Dionex AS18 4(mm)
CCV 680-319854/16		03/17/2014 11:31	1	0317141131-20.d	Dionex AS18 4(mm)
CCB 680-319854/17		03/17/2014 11:46	1	0317141146-21.d	Dionex AS18 4(mm)
680-99116-7	SMSMW11A	03/17/2014 12:01	100	0317141201-22.d	Dionex AS18 4(mm)
680-99116-10	SMSSW02	03/17/2014 12:32	2	0317141232-24.d	Dionex AS18 4(mm)
CCV 680-319854/27		03/17/2014 14:19	1	0317141419-31.d	Dionex AS18 4(mm)
CCB 680-319854/28		03/17/2014 14:35	1	0317141435-32.d	Dionex AS18 4(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: CICK Start Date: 03/18/2014 12:33

Analysis Batch Number: 320146 End Date: 03/18/2014 20:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-320146/1		03/18/2014 12:33	1	0318141233-5.d	Dionex AS18 4(mm)
MB 680-320146/2		03/18/2014 12:48	1	0318141248-6.d	Dionex AS18 4(mm)
LCS 680-320146/3		03/18/2014 13:04	1	0318141304-7.d	Dionex AS18 4(mm)
LCSD 680-320146/4		03/18/2014 13:19	1	0318141319-8.d	Dionex AS18 4(mm)
680-99116-8	SMSMW07B	03/18/2014 13:34	2000	0318141334-9.d	Dionex AS18 4(mm)
CCV 680-320146/6		03/18/2014 14:02	1	0318141402-10.d	Dionex AS18 4(mm)
CCB 680-320146/7		03/18/2014 14:17	1	0318141417-11.d	Dionex AS18 4(mm)
ZZZZZ		03/18/2014 14:48	25		Dionex AS18 4(mm)
ZZZZZ		03/18/2014 15:03	50		Dionex AS18 4(mm)
ZZZZZ		03/18/2014 15:18	100		Dionex AS18 4(mm)
ZZZZZ		03/18/2014 15:34	1000		Dionex AS18 4(mm)
ZZZZZ		03/18/2014 15:49	1000		Dionex AS18 4(mm)
ZZZZZ		03/18/2014 16:04	2000		Dionex AS18 4(mm)
ZZZZZ		03/18/2014 16:20	2000		Dionex AS18 4(mm)
ZZZZZ		03/18/2014 16:35	2000		Dionex AS18 4(mm)
CCV 680-320146/17		03/18/2014 16:50	1		Dionex AS18 4(mm)
CCB 680-320146/18		03/18/2014 17:06	1		Dionex AS18 4(mm)
ZZZZZ		03/18/2014 17:21	1		Dionex AS18 4(mm)
ZZZZZ		03/18/2014 17:36	2		Dionex AS18 4(mm)
ZZZZZ		03/18/2014 18:07	1		Dionex AS18 4(mm)
ZZZZZ		03/18/2014 18:22	1		Dionex AS18 4(mm)
ZZZZZ		03/18/2014 18:37	1		Dionex AS18 4(mm)
ZZZZZ		03/18/2014 18:53	1		Dionex AS18 4(mm)
ZZZZZ		03/18/2014 19:08	1		Dionex AS18 4(mm)
ZZZZZ		03/18/2014 19:23	1		Dionex AS18 4(mm)
ZZZZZ		03/18/2014 19:39	1		Dionex AS18 4(mm)
CCV 680-320146/29		03/18/2014 19:54	1		Dionex AS18 4(mm)
CCB 680-320146/30		03/18/2014 20:09	1		Dionex AS18 4(mm)

300.0

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: CICL Start Date: 02/28/2014 04:56

Analysis Batch Number: 317700 End Date: 02/28/2014 07:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 680-317700/1		02/28/2014 04:56	1	0228140456-74.d	Dionex AS18 4(mm)
IC 680-317700/2		02/28/2014 05:10	1	0228140510-75.d	Dionex AS18 4(mm)
IC 680-317700/3		02/28/2014 05:24	1	0228140524-76.d	Dionex AS18 4(mm)
IC 680-317700/4		02/28/2014 05:39	1	0228140539-77.d	Dionex AS18 4(mm)
IC 680-317700/5		02/28/2014 05:53	1	0228140553-78.d	Dionex AS18 4(mm)
IC 680-317700/6		02/28/2014 06:08	1	0228140608-79.d	Dionex AS18 4(mm)
IC 680-317700/7		02/28/2014 06:22	1	0228140622-80.d	Dionex AS18 4(mm)
ICB 680-317700/8		02/28/2014 06:36	1	0228140636-81.d	Dionex AS18 4(mm)
ICV 680-317700/9		02/28/2014 06:51	1	0228140651-82.d	Dionex AS18 4(mm)
CCV 680-317700/10		02/28/2014 07:05	1		Dionex AS18 4(mm)
CCB 680-317700/11		02/28/2014 07:20	1		Dionex AS18 4(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: CICL Start Date: 03/17/2014 07:51

Analysis Batch Number: 319868 End Date: 03/17/2014 14:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-319868/1		03/17/2014 07:51	1	0317140751-4.d	Dionex AS18 4(mm)
MB 680-319868/2		03/17/2014 08:05	1	0317140805-5.d	Dionex AS18 4(mm)
LCS 680-319868/3		03/17/2014 08:20	1	0317140820-6.d	Dionex AS18 4(mm)
LCSD 680-319868/4		03/17/2014 08:34	1	0317140834-7.d	Dionex AS18 4(mm)
ZZZZZ		03/17/2014 08:48	1		Dionex AS18 4(mm)
ZZZZZ		03/17/2014 09:03	1		Dionex AS18 4(mm)
ZZZZZ		03/17/2014 09:17	1		Dionex AS18 4(mm)
ZZZZZ		03/17/2014 09:32	4		Dionex AS18 4(mm)
680-99116-5	SMSMW13B	03/17/2014 09:46	1	0317140946-12.d	Dionex AS18 4(mm)
680-99116-6	SMSSW20	03/17/2014 10:00	1	0317141000-13.d	Dionex AS18 4(mm)
ZZZZZ		03/17/2014 10:15	1		Dionex AS18 4(mm)
ZZZZZ		03/17/2014 10:29	1		Dionex AS18 4(mm)
ZZZZZ		03/17/2014 10:44	2		Dionex AS18 4(mm)
CCV 680-319868/15		03/17/2014 11:20	1	0317141120-18.d	Dionex AS18 4(mm)
CCB 680-319868/16		03/17/2014 11:34	1	0317141134-19.d	Dionex AS18 4(mm)
ZZZZZ		03/17/2014 11:49	2		Dionex AS18 4(mm)
ZZZZZ		03/17/2014 12:18	20		Dionex AS18 4(mm)
ZZZZZ		03/17/2014 12:32	20		Dionex AS18 4(mm)
ZZZZZ		03/17/2014 12:46	20		Dionex AS18 4(mm)
ZZZZZ		03/17/2014 13:01	20		Dionex AS18 4(mm)
680-99116-1	SMSMW11B	03/17/2014 13:15	25	0317141315-26.d	Dionex AS18 4(mm)
680-99116-3	SMSMW12B	03/17/2014 13:30	2	0317141330-27.d	Dionex AS18 4(mm)
680-99116-7	SMSMW11A	03/17/2014 13:44	25	0317141344-28.d	Dionex AS18 4(mm)
680-99116-9	SMSSW10	03/17/2014 13:58	1	0317141358-29.d	Dionex AS18 4(mm)
CCV 680-319868/27		03/17/2014 14:13	1	0317141413-30.d	Dionex AS18 4(mm)
CCB 680-319868/28		03/17/2014 14:27	1	0317141427-31.d	Dionex AS18 4(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: CICL Start Date: 03/17/2014 14:13

Analysis Batch Number: 320074 End Date: 03/17/2014 19:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-320074/27		03/17/2014 14:13	1	0317141413-30.d	Dionex AS18 4(mm)
MB 680-320074/28		03/17/2014 14:27	1	0317141427-31.d	Dionex AS18 4(mm)
LCS 680-320074/29		03/17/2014 14:42	1	0317141442-32.d	Dionex AS18 4(mm)
LCSD 680-320074/30		03/17/2014 14:56	1	0317141456-33.d	Dionex AS18 4(mm)
680-99116-10	SMSSW02	03/17/2014 15:25	4	0317141525-35.d	Dionex AS18 4(mm)
680-99116-11	SMSSW08	03/17/2014 15:39	1	0317141539-36.d	Dionex AS18 4(mm)
680-99116-11	SMSSW08	03/17/2014 15:54	5	0317141554-37.d	Dionex AS18 4(mm)
680-99116-12	SMSSW08 SPRING	03/17/2014 16:08	1	0317141608-38.d	Dionex AS18 4(mm)
680-99116-12	SMSSW08 SPRING	03/17/2014 16:22	10	0317141622-39.d	Dionex AS18 4(mm)
680-99116-12 MS	SMSSW08 SPRING MS	03/17/2014 16:37	10	0317141637-40.d	Dionex AS18 4(mm)
680-99116-12 MSD	SMSSW08 SPRING MSD	03/17/2014 16:51	10	0317141651-41.d	Dionex AS18 4(mm)
680-99116-13	SMSSW04	03/17/2014 17:06	1	0317141706-42.d	Dionex AS18 4(mm)
680-99116-13	SMSSW04	03/17/2014 17:20	10	0317141720-43.d	Dionex AS18 4(mm)
CCV 680-320074/41		03/17/2014 17:34	1	0317141734-44.d	Dionex AS18 4(mm)
CCB 680-320074/42		03/17/2014 17:49	1	0317141749-45.d	Dionex AS18 4(mm)
680-99116-14	SMSSW12	03/17/2014 18:03	1	0317141803-46.d	Dionex AS18 4(mm)
680-99116-14	SMSSW12	03/17/2014 18:18	5	0317141818-47.d	Dionex AS18 4(mm)
ZZZZZ		03/17/2014 18:32	25		Dionex AS18 4(mm)
CCV 680-320074/46		03/17/2014 18:47	1	0317141847-49.d	Dionex AS18 4(mm)
CCB 680-320074/47		03/17/2014 19:01	1	0317141901-50.d	Dionex AS18 4(mm)

300.0

300_ORGFMS

Anions, Ion Chromatography

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0305141855-33.d

Lab ID: LCS 680-318426/33 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Nitrite as NO2	3.28	3.26	99	90-110	
Nitrate as NO3	4.42	4.25	96	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0306140136-59.d

Lab ID: LCS 680-318427/59 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Nitrite as NO2	3.28	3.23	98	90-110	
Nitrate as NO3	4.42	4.21	95	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0306141021-6.d

Lab ID: LCS 680-318480/6 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Nitrite as NO2	3.28	3.26	99	90-110	
Nitrate as NO3	4.42	4.30	97	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0305141911-34.d

Lab ID: LCSD 680-318426/34 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Nitrite as NO2	3.28	3.26	99	0	30	90-110	
Nitrate as NO3	4.42	4.22	95	1	30	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0306140151-60.d

Lab ID: LCSD 680-318427/60 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Nitrite as NO2	3.28	3.24	99	0	30	90-110	
Nitrate as NO3	4.42	4.20	95	0	30	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0306141036-7.d

Lab ID: LCSD 680-318480/7 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Nitrite as NO2	3.28	3.28	100	1	30	90-110	
Nitrate as NO3	4.42	4.32	98	0	30	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0306140034-55.d

Lab ID: 680-99116-5 MS Client ID: SMSMW13B MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Nitrite as NO2	3.28	<0.082	3.17	97	80-120	
Nitrate as NO3	4.42	6.7	11.2	101	80-120	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0306141209-13.d

Lab ID: 680-99116-12 MS Client ID: SMSSW08 SPRING MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Nitrite as NO2	13.1	<0.33	13.0	99	80-120	
Nitrate as NO3	17.7	17	35.7	105	80-120	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0306140527-74.d

Lab ID: 680-99116-14 MS Client ID: SMSSW12 MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Nitrite as NO2	6.56	<0.16	6.37	97	80-120	
Nitrate as NO3	8.84	7.5	16.5	101	80-120	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0306140049-56.d

Lab ID: 680-99116-5 MSD Client ID: SMSMW13B MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Nitrite as NO2	3.28	3.23	98	2	30	80-120	
Nitrate as NO3	4.42	11.3	103	1	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0306141224-14.d

Lab ID: 680-99116-12 MSD Client ID: SMSSW08 SPRING MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Nitrite as NO2	13.1	12.7	97	2	30	80-120	
Nitrate as NO3	17.7	35.4	103	1	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water Level: Low Lab File ID: 0306140542-75.d

Lab ID: 680-99116-14 MSD Client ID: SMSSW12 MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Nitrite as NO2	6.56	6.40	98	0	30	80-120	
Nitrate as NO3	8.84	16.6	102	1	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab File ID: 0305141840-32.d Lab Sample ID: MB 680-318426/32

Matrix: Water Date Extracted:

Instrument ID: CICG Date Analyzed: 03/05/2014 18:40

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-318426/33	0305141855-33.d	03/05/2014 18:55
	LCSD 680-318426/34	0305141911-34.d	03/05/2014 19:11
	CCB 680-318426/46	0305142215-46.d	03/05/2014 22:15
SMSMW11B	680-99116-1	0305142317-50.d	03/05/2014 23:17
SMSMW13A	680-99116-2	0305142332-51.d	03/05/2014 23:32
SMSMW12B	680-99116-3	0305142348-52.d	03/05/2014 23:48
SMSMW07A	680-99116-4	0306140003-53.d	03/06/2014 00:03
SMSMW13B	680-99116-5	0306140019-54.d	03/06/2014 00:19
SMSMW13B MS	680-99116-5 MS	0306140034-55.d	03/06/2014 00:34
SMSMW13B MSD	680-99116-5 MSD	0306140049-56.d	03/06/2014 00:49
	CCB 680-318426/58	0306140120-58.d	03/06/2014 01:20

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab File ID: 0306140120-58.d Lab Sample ID: MB 680-318427/58

Matrix: Water Date Extracted:

Instrument ID: CICG Date Analyzed: 03/06/2014 01:20

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-318427/59	0306140136-59.d	03/06/2014 01:36
	LCSD 680-318427/60	0306140151-60.d	03/06/2014 01:51
SMSSW20	680-99116-6	0306140206-61.d	03/06/2014 02:06
SMSMW11A	680-99116-7	0306140222-62.d	03/06/2014 02:22
SMSSW10	680-99116-9	0306140324-66.d	03/06/2014 03:24
SMSSW02	680-99116-10	0306140339-67.d	03/06/2014 03:39
SMSSW08	680-99116-11	0306140354-68.d	03/06/2014 03:54
SMSSW08 SPRING	680-99116-12	0306140410-69.d	03/06/2014 04:10
SMSSW04	680-99116-13	0306140425-70.d	03/06/2014 04:25
	CCB 680-318427/72	0306140456-72.d	03/06/2014 04:56
SMSSW12 MS	680-99116-14 MS	0306140527-74.d	03/06/2014 05:27
SMSSW12 MSD	680-99116-14 MSD	0306140542-75.d	03/06/2014 05:42
SMSMW13A	680-99116-2	0306140558-76.d	03/06/2014 05:58
SMSMW12B	680-99116-3	0306140613-77.d	03/06/2014 06:13
	CCB 680-318427/79	0306140644-79.d	03/06/2014 06:44

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab File ID: 0306141006-5.d Lab Sample ID: MB 680-318480/5

Matrix: Water Date Extracted:

Instrument ID: CICG Date Analyzed: 03/06/2014 10:06

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-318480/6	0306141021-6.d	03/06/2014 10:21
	LCSD 680-318480/7	0306141036-7.d	03/06/2014 10:36
SMSMW07A DL	680-99116-4 DL	0306141107-9.d	03/06/2014 11:07
SMSMW07B	680-99116-8	0306141123-10.d	03/06/2014 11:23
SMSSW08 SPRING	680-99116-12	0306141153-12.d	03/06/2014 11:53
SMSSW08 SPRING MS	680-99116-12 MS	0306141209-13.d	03/06/2014 12:09
SMSSW08 SPRING MSD	680-99116-12 MSD	0306141224-14.d	03/06/2014 12:24
SMSSW12	680-99116-14	0306141240-15.d	03/06/2014 12:40
	CCB 680-318480/19	0306141341-19.d	03/06/2014 13:41

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW11B Lab Sample ID: 680-99116-1

Matrix: Water Lab File ID: 0305142317-50.d

Analysis Method: 300.0 Date Collected: 03/04/2014 10:55

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/05/2014 23:17

Con. Extract Vol.: 5(mL) Dilution Factor: 2

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318426 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	0.66		0.34	0.16
STL00672	Nitrate as NO3	4.8		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0305142317-50.d
Lims ID: 680-99116-F-1 Lab Sample ID: 680-99116-1
Client ID: SMSMW11B
Sample Type: Client
Inject. Date: 05-Mar-2014 23:17:00 ALS Bottle#: 0 Worklist Smp#: 50
Injection Vol: 25.0 ul Dil. Factor: 2.0000
Sample Info: 680-99116-F-1 1G030514 Anion
Misc. Info.: 28676
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 10:57:32 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

First Level Reviewer: singhv Date: 07-Mar-2014 10:53:31

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.617	6.658	-0.041	3890813	0.0999	M
	6 Nitrate as N	9.483	9.533	-0.050	26476399	0.5418	
S	9 Nitrite as NO2					0.3286	
S	10 Nitrate as NO3					2.40	

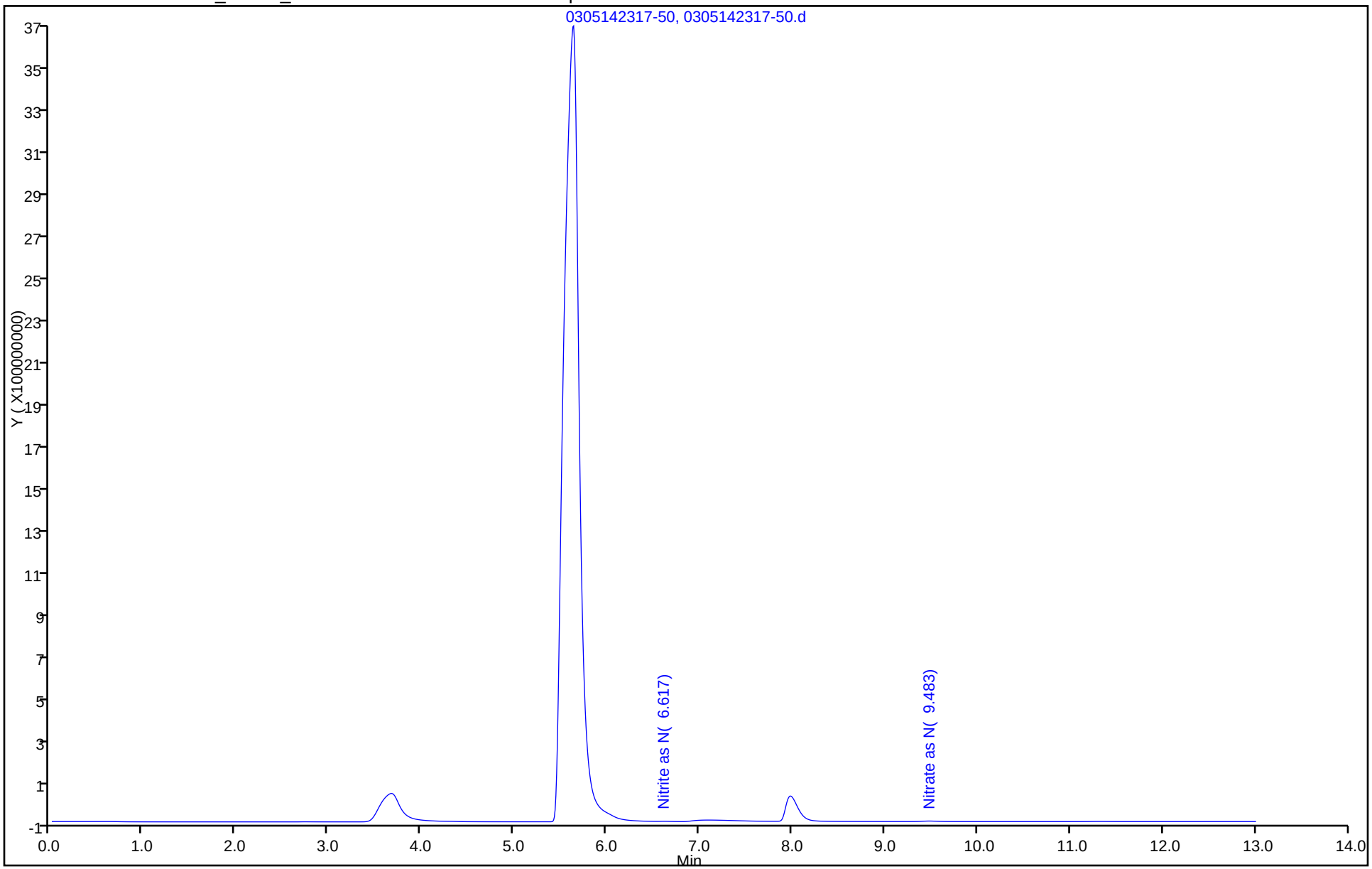
QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 07-Mar-2014 10:57:34 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305142317-50.d				
Injection Date:	05-Mar-2014 23:17:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-1	Lab Sample ID:	680-99116-1	Worklist Smp#:	50
Client ID:	SMSMW11B				
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW13A Lab Sample ID: 680-99116-2

Matrix: Water Lab File ID: 0306140558-76.d

Analysis Method: 300.0 Date Collected: 03/04/2014 12:55

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 05:58

Con. Extract Vol.: 5(mL) Dilution Factor: 2

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318427 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.16		0.34	0.16

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140558-76.d
Lims ID: 680-99116-F-2 Lab Sample ID: 680-99116-2
Client ID: SMSMW13A
Sample Type: Client
Inject. Date: 06-Mar-2014 05:58:00 ALS Bottle#: 0 Worklist Smp#: 76
Injection Vol: 25.0 ul Dil. Factor: 2.0000
Sample Info: 680-99116-F-2 1G030514 Anion
Misc. Info.: 21004
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 10:57:42 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.425	9.558	-0.133	312382950	6.25	E
S 10 Nitrate as NO3					27.7	

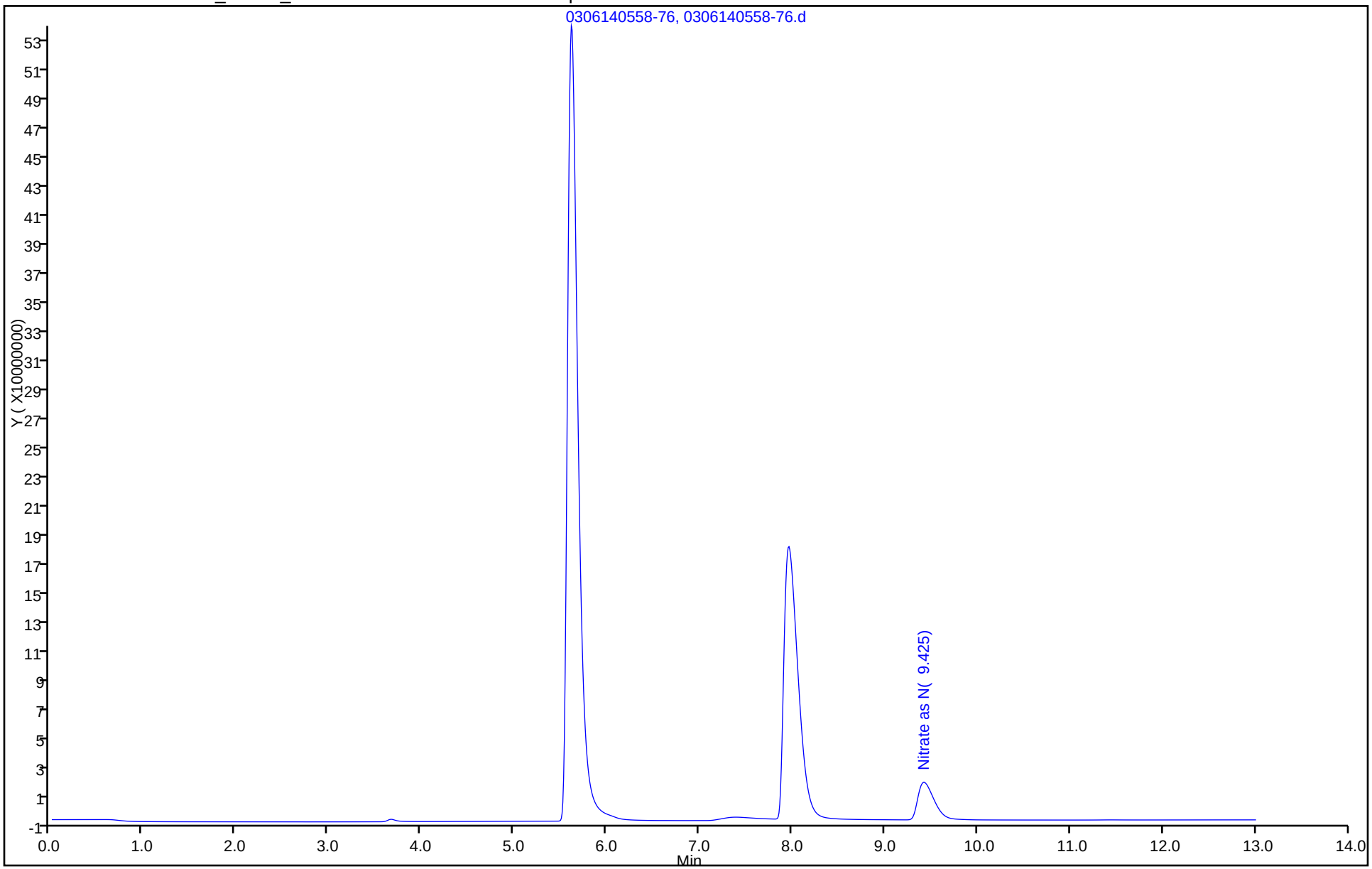
QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Report Date: 07-Mar-2014 10:57:43 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140558-76.d				
Injection Date:	06-Mar-2014 05:58:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-2	Lab Sample ID:	680-99116-2	Worklist Smp#:	76
Client ID:	SMSMW13A				
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW13A Lab Sample ID: 680-99116-2

Matrix: Water Lab File ID: 0305142332-51.d

Analysis Method: 300.0 Date Collected: 03/04/2014 12:55

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/05/2014 23:32

Con. Extract Vol.: 5(mL) Dilution Factor: 20

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318426 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00672	Nitrate as NO3	49		4.4	2.2

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0305142332-51.d
Lims ID: 680-99116-F-2 Lab Sample ID: 680-99116-2
Client ID: SMSMW13A
Sample Type: Client
Inject. Date: 05-Mar-2014 23:32:00 ALS Bottle#: 0 Worklist Smp#: 51
Injection Vol: 25.0 ul Dil. Factor: 20.0000
Sample Info: 680-99116-F-2 1G030514 Anion
Misc. Info.: 17025
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 10:57:32 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

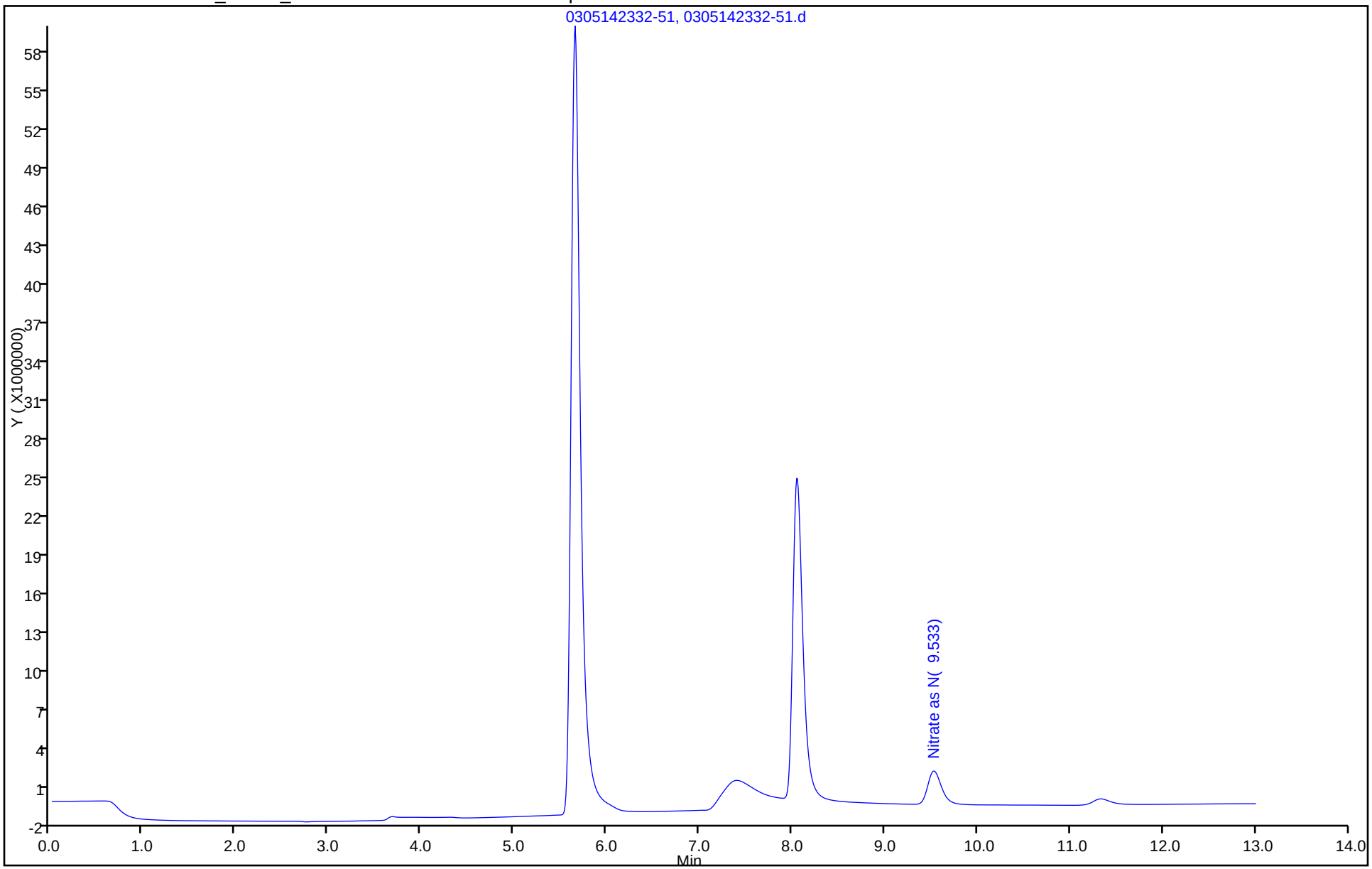
First Level Reviewer: singhv Date: 07-Mar-2014 10:53:39

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.533	9.533	0.0	26807565	0.5484	
S 10 Nitrate as NO3					2.43	

Report Date: 07-Mar-2014 10:57:34 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305142332-51.d				
Injection Date:	05-Mar-2014 23:32:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-2	Lab Sample ID:	680-99116-2	Worklist Smp#:	51
Client ID:	SMSMW13A				
Injection Vol:	25.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW12B Lab Sample ID: 680-99116-3

Matrix: Water Lab File ID: 0306140613-77.d

Analysis Method: 300.0 Date Collected: 03/04/2014 15:47

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 06:13

Con. Extract Vol.: 5(mL) Dilution Factor: 4

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318427 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.33		0.68	0.33

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140613-77.d
Lims ID: 680-99116-F-3 Lab Sample ID: 680-99116-3
Client ID: SMSMW12B
Sample Type: Client
Inject. Date: 06-Mar-2014 06:13:00 ALS Bottle#: 0 Worklist Smp#: 77
Injection Vol: 25.0 ul Dil. Factor: 4.0000
Sample Info: 680-99116-F-3 1G030514 Anion
Misc. Info.: 15356
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 10:57:42 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.408	9.558	-0.150	306125441	6.13	E
S 10 Nitrate as NO3					27.1	

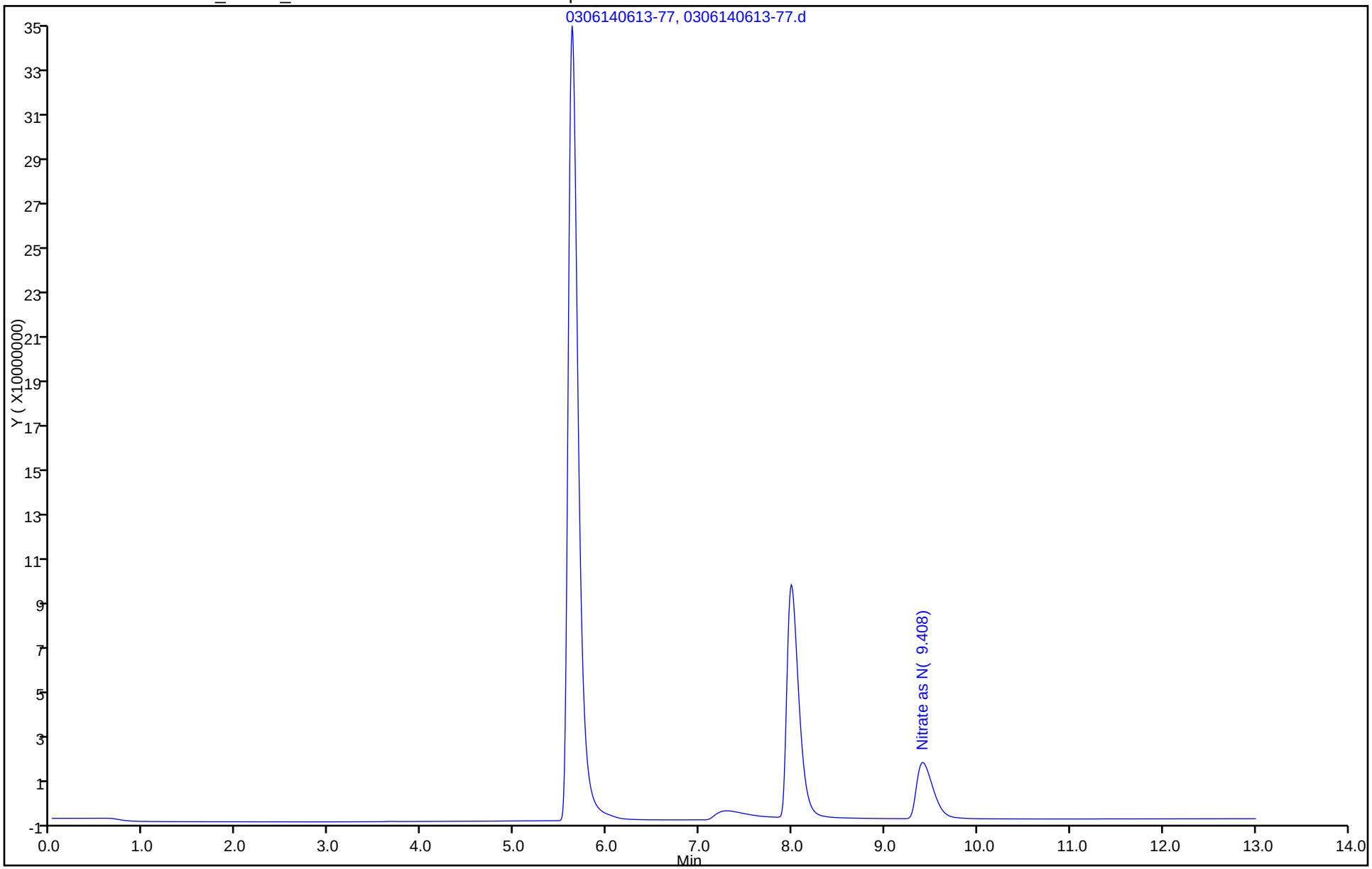
QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Report Date: 07-Mar-2014 10:57:44 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140613-77.d				
Injection Date:	06-Mar-2014 06:13:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-3	Lab Sample ID:	680-99116-3	Worklist Smp#:	77
Client ID:	SMSMW12B				
Injection Vol:	25.0 ul	Dil. Factor:	4.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW12B Lab Sample ID: 680-99116-3

Matrix: Water Lab File ID: 0305142348-52.d

Analysis Method: 300.0 Date Collected: 03/04/2014 15:47

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/05/2014 23:48

Con. Extract Vol.: 5(mL) Dilution Factor: 40

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318426 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00672	Nitrate as NO3	93		8.8	4.4

TestAmerica Savannah
Target Compound Quantitation Report

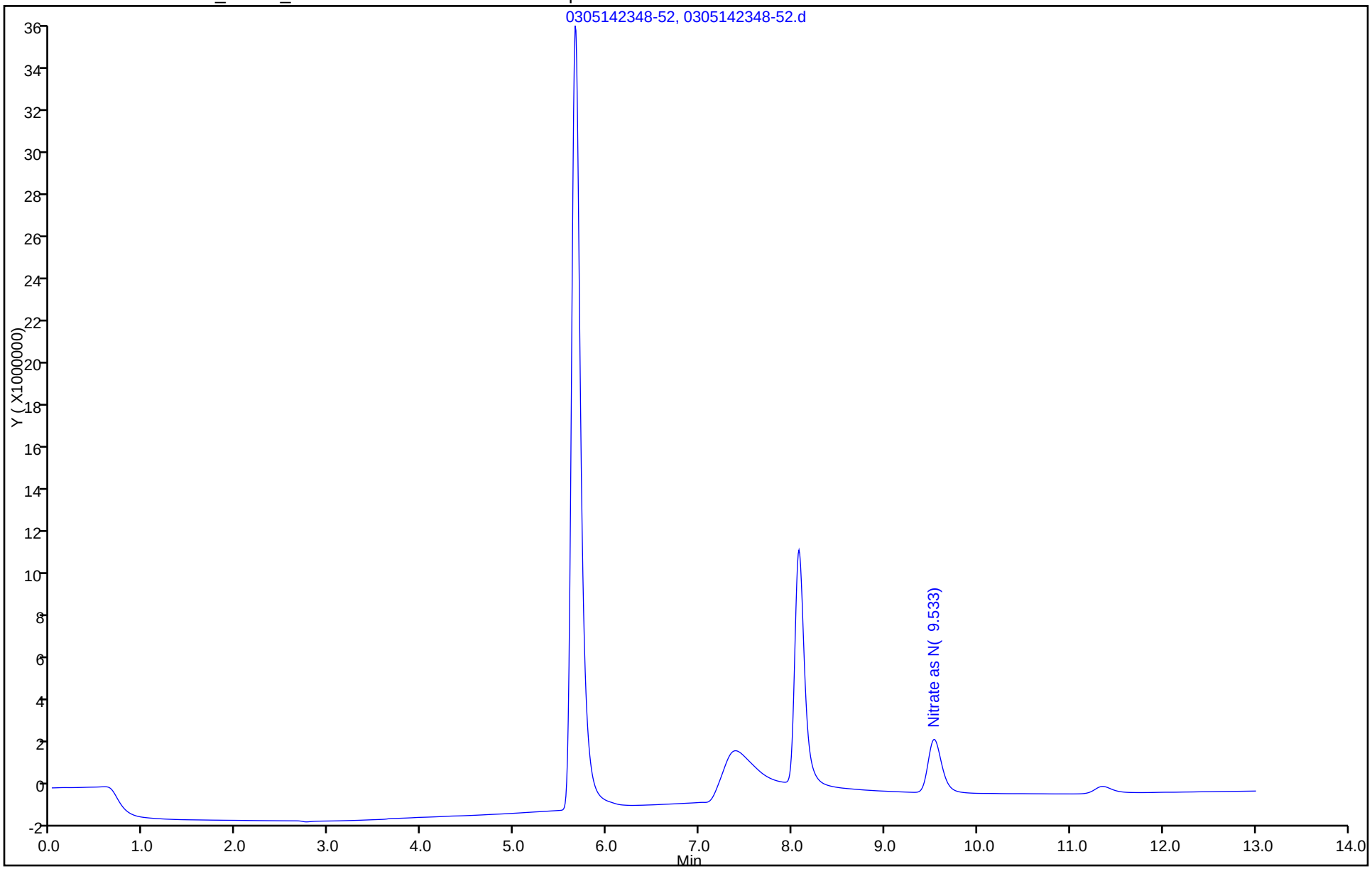
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305142348-52.d				
Lims ID:	680-99116-F-3	Lab Sample ID:	680-99116-3		
Client ID:	SMSMW12B				
Sample Type:	Client				
Inject. Date:	05-Mar-2014 23:48:00	ALS Bottle#:	0	Worklist Smp#:	52
Injection Vol:	25.0 ul	Dil. Factor:	40.0000		
Sample Info:	680-99116-F-3 1G030514 Anion				
Misc. Info.:	31727				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 10:57:32	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.533	9.533	0.0	25674916	0.5258	
S 10 Nitrate as NO3					2.33	

Report Date: 07-Mar-2014 10:57:34 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305142348-52.d				
Injection Date:	05-Mar-2014 23:48:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-3	Lab Sample ID:	680-99116-3	Worklist Smp#:	52
Client ID:	SMSMW12B				
Injection Vol:	25.0 ul	Dil. Factor:	40.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW07A Lab Sample ID: 680-99116-4

Matrix: Water Lab File ID: 0306140003-53.d

Analysis Method: 300.0 Date Collected: 03/04/2014 09:40

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 00:03

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318426 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	16		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140003-53.d				
Lims ID:	680-99116-F-4	Lab Sample ID:	680-99116-4		
Client ID:	SMSMW07A				
Sample Type:	Client				
Inject. Date:	06-Mar-2014 00:03:00	ALS Bottle#:	0	Worklist Smp#:	53
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99116-F-4 1G030514 Anion				
Misc. Info.:	30435				
Operator ID:		Instrument ID:	CICG		

Method:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m		
Limit Group:	Anions - 48Hr - ORGFRMS		
Last Update:	07-Mar-2014 10:57:32	Calib Date:	28-Feb-2014 16:42:00
Integrator:	Falcon		
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d		

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	3 Sulfate	6.942	6.758	0.184	157236718	NC	
	6 Nitrate as N	9.342	9.533	-0.191	184014771	3.69	E
S	10 Nitrate as NO3					16.3	

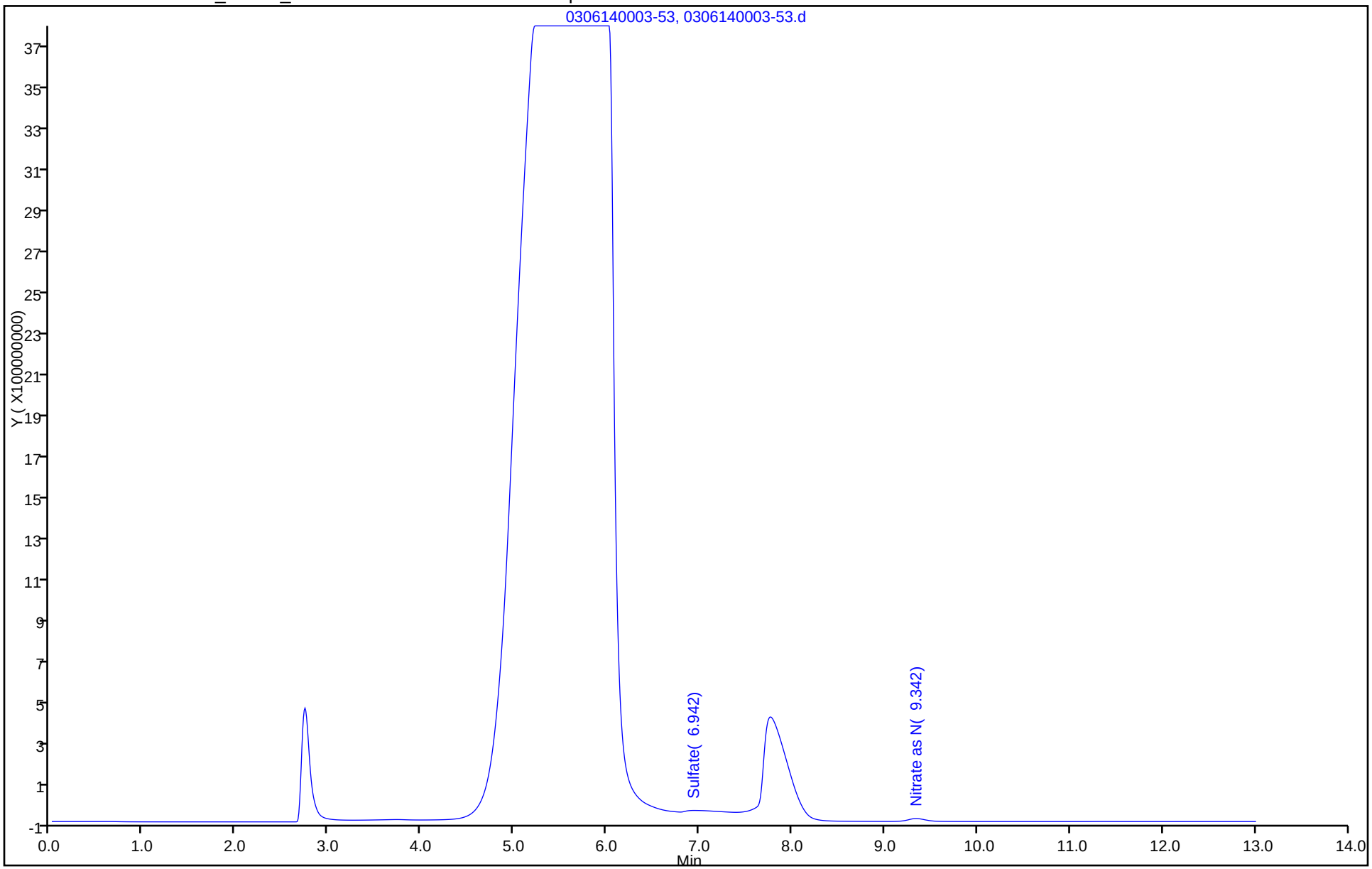
QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Report Date: 07-Mar-2014 10:57:35 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140003-53.d				
Injection Date:	06-Mar-2014 00:03:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-4	Lab Sample ID:	680-99116-4	Worklist Smp#:	53
Client ID:	SMSMW07A				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID: SMSMW07A DL
Lab Sample ID: 680-99116-4 DL
Matrix: Water
Lab File ID: 0306141107-9.d
Analysis Method: 300.0
Date Collected: 03/04/2014 09:40
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 11:07
Con. Extract Vol.: 5(mL)
Dilution Factor: 4
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318480
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00672	*Nitrate as NO3*	*15*	*H*	*0.88*	*0.44*

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141107-9.d
Lims ID: 680-99116-F-4 Lab Sample ID: 680-99116-4
Client ID: SMSMW07A
Sample Type: Client
Inject. Date: 06-Mar-2014 11:07:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 25.0 ul Dil. Factor: 4.0000
Sample Info: 680-99116-F-4 1G030614 Anion
Misc. Info.: 15238
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 13:07:40 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

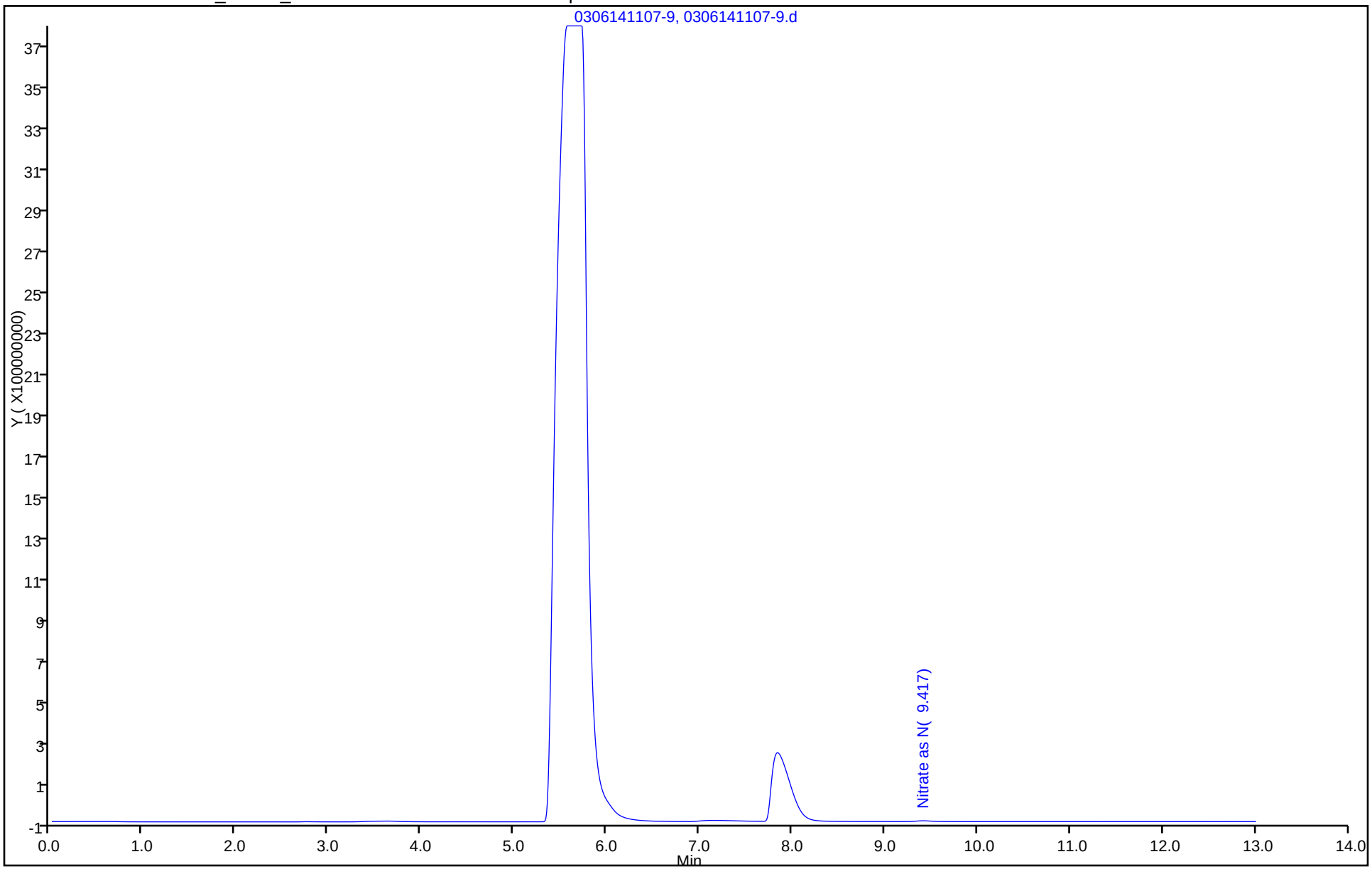
First Level Reviewer: singhv Date: 07-Mar-2014 12:58:31

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.417	9.483	-0.066	43043454	0.8728	
S 10 Nitrate as NO3					3.86	

Report Date: 07-Mar-2014 13:07:42 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141107-9.d				
Injection Date:	06-Mar-2014 11:07:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-4	Lab Sample ID:	680-99116-4	Worklist Smp#:	9
Client ID:	SMSMW07A				
Injection Vol:	25.0 ul	Dil. Factor:	4.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW13B Lab Sample ID: 680-99116-5

Matrix: Water Lab File ID: 0306140019-54.d

Analysis Method: 300.0 Date Collected: 03/04/2014 10:20

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 00:19

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318426 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	6.7		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140019-54.d
Lims ID: 680-99116-F-5 Lab Sample ID: 680-99116-5
Client ID: SMSMW13B
Sample Type: Client
Inject. Date: 06-Mar-2014 00:19:00 ALS Bottle#: 0 Worklist Smp#: 54
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: 680-99116-F-5 1G030514 Anion
Misc. Info.: 8827
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 10:57:32 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

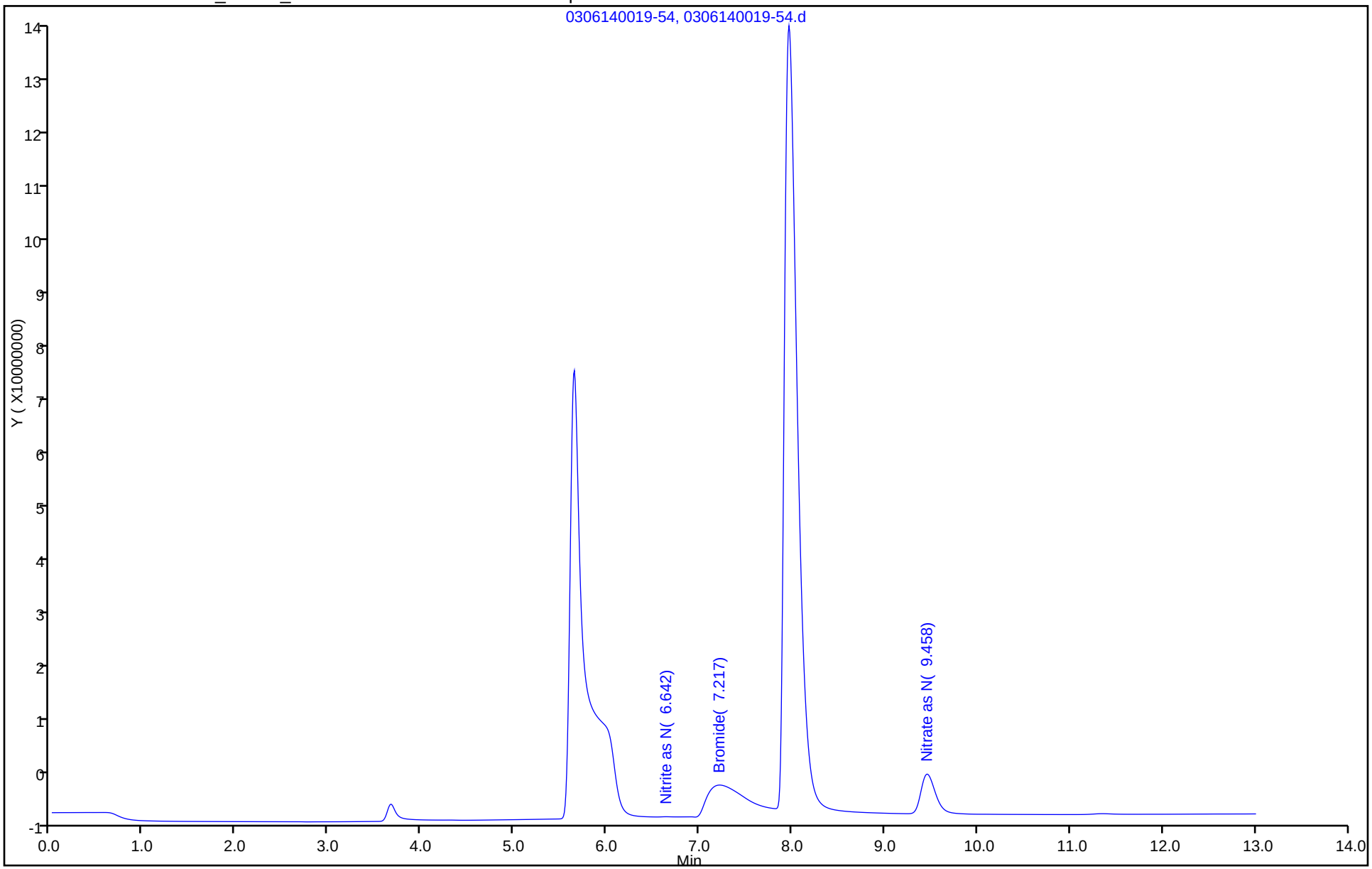
First Level Reviewer: singhv Date: 07-Mar-2014 10:54:08

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
5 Nitrite as N	6.642	6.658	-0.016	208394	0.0192	
4 Bromide	7.217	7.217	0.0	130725248	NC	
6 Nitrate as N	9.458	9.533	-0.075	75219020	1.52	
S 9 Nitrite as NO2					0.0633	
S 10 Nitrate as NO3					6.71	

Report Date: 07-Mar-2014 10:57:35 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140019-54.d				
Injection Date:	06-Mar-2014 00:19:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-5	Lab Sample ID:	680-99116-5	Worklist Smp#:	54
Client ID:	SMSMW13B				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW20 Lab Sample ID: 680-99116-6

Matrix: Water Lab File ID: 0306140206-61.d

Analysis Method: 300.0 Date Collected: 03/04/2014 09:47

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 02:06

Con. Extract Vol.: 5(mL) Dilution Factor: 2

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318427 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.16		0.34	0.16
STL00672	Nitrate as NO3	2.3		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140206-61.d
Lims ID: 680-99116-F-6 Lab Sample ID: 680-99116-6
Client ID: SMSSW20
Sample Type: Client
Inject. Date: 06-Mar-2014 02:06:00 ALS Bottle#: 0 Worklist Smp#: 61
Injection Vol: 25.0 ul Dil. Factor: 2.0000
Sample Info: 680-99116-F-6 1G030514 Anion
Misc. Info.: 28490
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 10:57:36 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

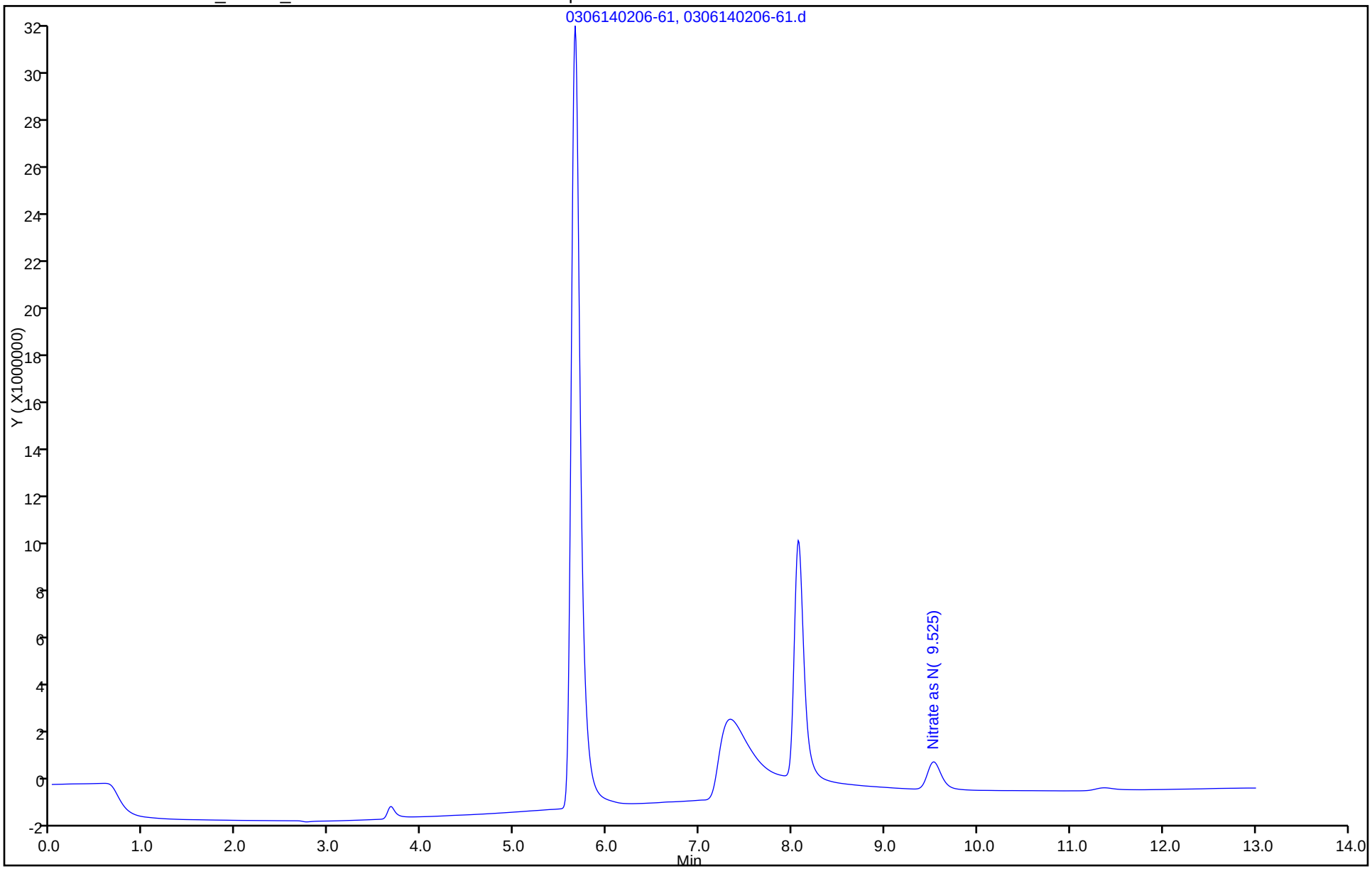
Column 1 : Det: 0423131702-17
Process Host: XAWRK009

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.525	9.550	-0.025	12245022	0.2574	
S 10 Nitrate as NO3					1.14	

Report Date: 07-Mar-2014 10:57:38 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140206-61.d				
Injection Date:	06-Mar-2014 02:06:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-6	Lab Sample ID:	680-99116-6	Worklist Smp#:	61
Client ID:	SMSSW20				
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW11A Lab Sample ID: 680-99116-7

Matrix: Water Lab File ID: 0306140222-62.d

Analysis Method: 300.0 Date Collected: 03/04/2014 09:22

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 02:22

Con. Extract Vol.: 5(mL) Dilution Factor: 4

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318427 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	1.1		0.68	0.33
STL00672	Nitrate as NO3	33		0.88	0.44

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140222-62.d
Lims ID: 680-99116-F-7 Lab Sample ID: 680-99116-7
Client ID: SMSMW11A
Sample Type: Client
Inject. Date: 06-Mar-2014 02:22:00 ALS Bottle#: 0 Worklist Smp#: 62
Injection Vol: 25.0 ul Dil. Factor: 4.0000
Sample Info: 680-99116-F-7 1G030514 Anion
Misc. Info.: 10981
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 10:57:36 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

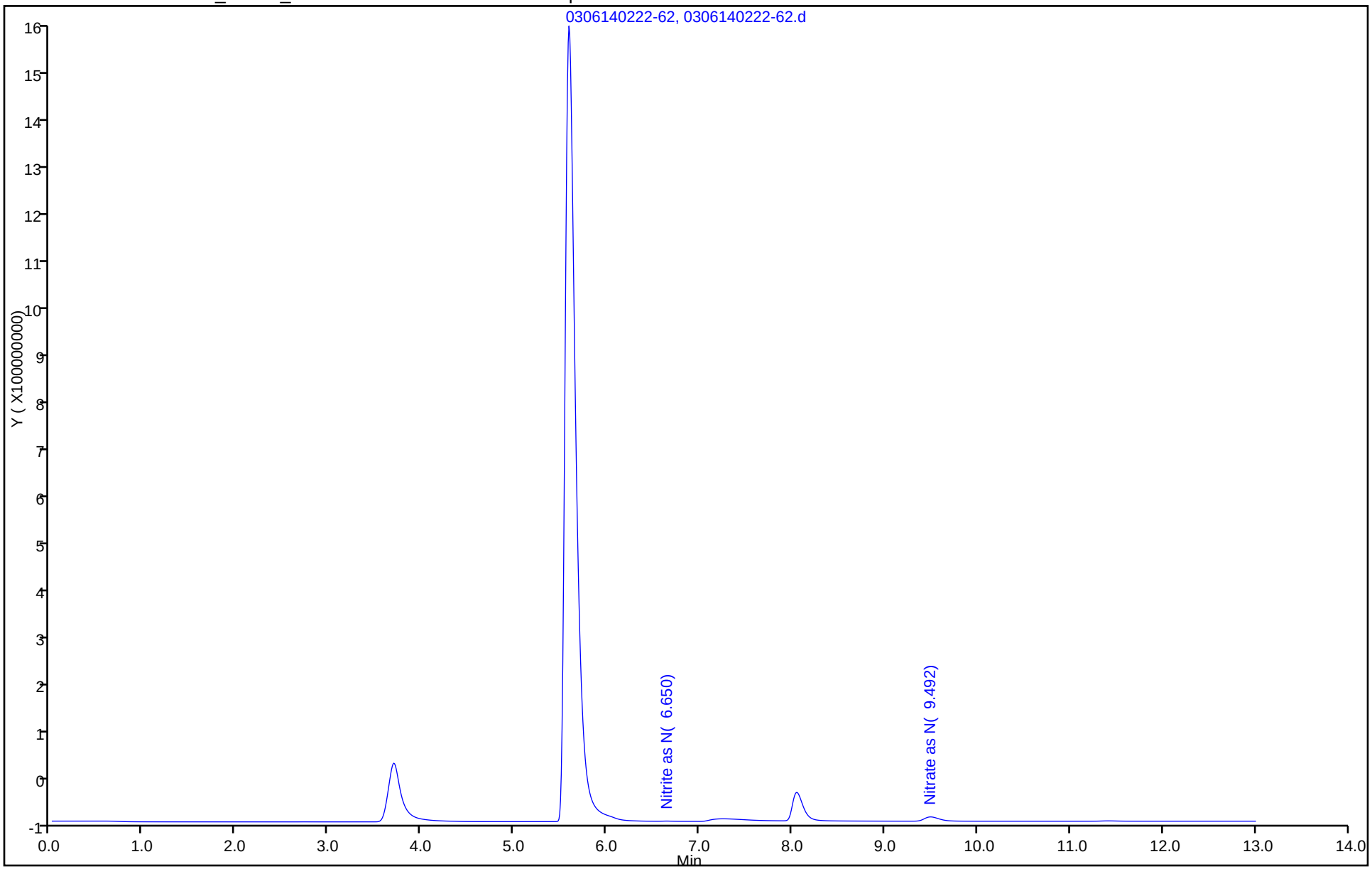
First Level Reviewer: singhv Date: 06-Mar-2014 09:02:00

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
5 Nitrite as N	6.650	6.658	-0.008	3047644	0.0814	
6 Nitrate as N	9.492	9.550	-0.058	92973142	1.87	
S 9 Nitrite as NO2					0.2679	
S 10 Nitrate as NO3					8.28	

Report Date: 07-Mar-2014 10:57:38 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140222-62.d				
Injection Date:	06-Mar-2014 02:22:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-7	Lab Sample ID:	680-99116-7	Worklist Smp#:	62
Client ID:	SMSMW11A				
Injection Vol:	25.0 ul	Dil. Factor:	4.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW07B | Lab Sample ID: 680-99116-8

Matrix: Water | Lab File ID: 0306141123-10.d

Analysis Method: 300.0 | Date Collected: 03/04/2014 11:52

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 03/06/2014 11:23

Con. Extract Vol.: 5(mL) | Dilution Factor: 50

Injection Volume: 25(uL) | GC Column: AS18 ID: 4(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 318480 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<4.1		8.5	4.1
STL00672	Nitrate as NO3	15		11	5.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141123-10.d
Lims ID: 680-99116-F-8 Lab Sample ID: 680-99116-8
Client ID: SMSMW07B
Sample Type: Client
Inject. Date: 06-Mar-2014 11:23:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 25.0 ul Dil. Factor: 50.0000
Sample Info: 680-99116-F-8 1G030614 Anion
Misc. Info.: 20414
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 13:07:40 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

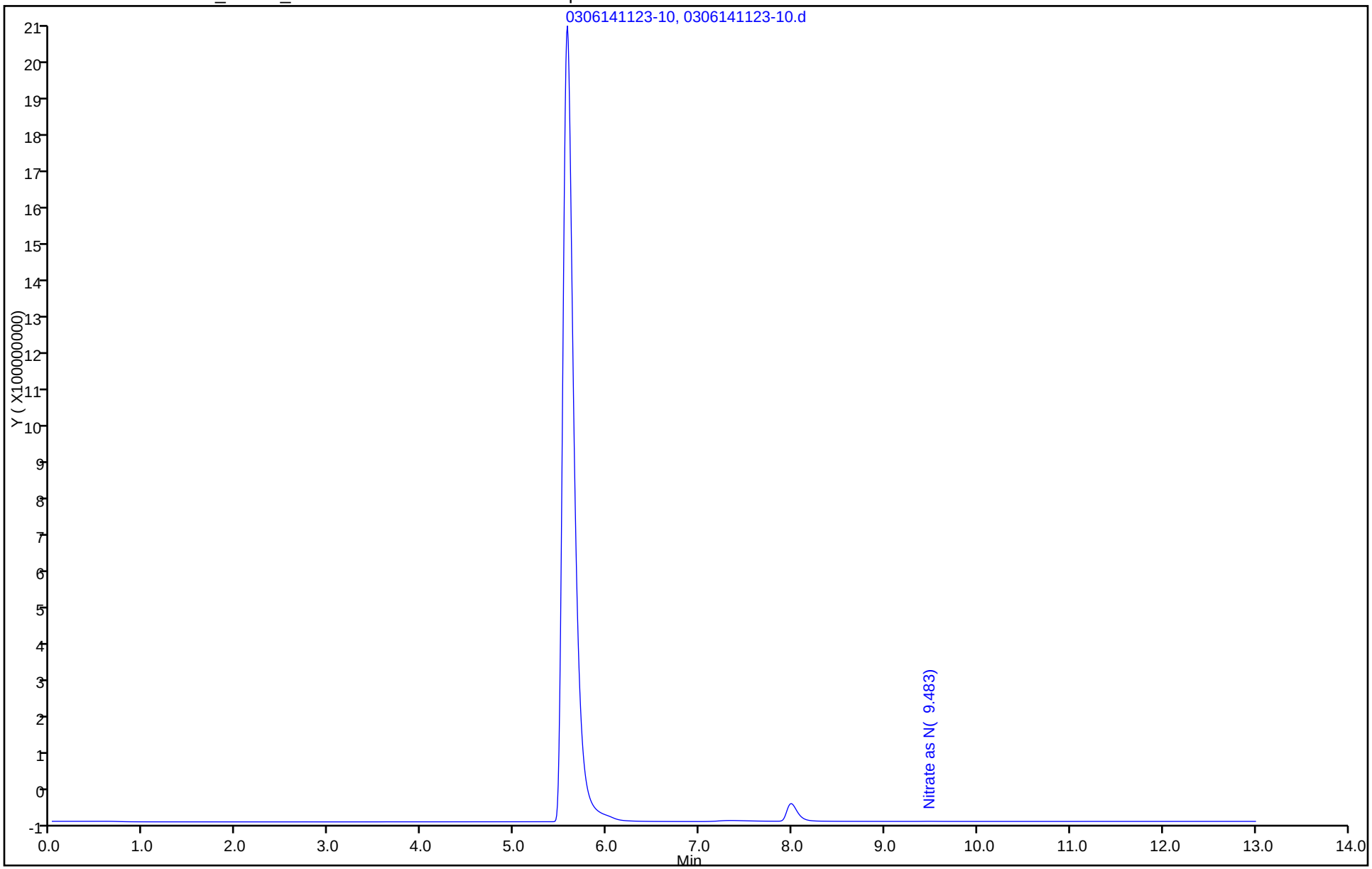
First Level Reviewer: singhv Date: 07-Mar-2014 08:34:19

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.483	9.483	0.0	2859758	0.0699	
S 10 Nitrate as NO3					0.3093	

Report Date: 07-Mar-2014 13:07:42 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141123-10.d				
Injection Date:	06-Mar-2014 11:23:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-8	Lab Sample ID:	680-99116-8	Worklist Smp#:	10
Client ID:	SMSMW07B				
Injection Vol:	25.0 ul	Dil. Factor:	50.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW10 Lab Sample ID: 680-99116-9

Matrix: Water Lab File ID: 0306140324-66.d

Analysis Method: 300.0 Date Collected: 03/04/2014 09:16

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 03:24

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318427 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	2.2		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140324-66.d
Lims ID: 680-99116-F-9 Lab Sample ID: 680-99116-9
Client ID: SMSSW10
Sample Type: Client
Inject. Date: 06-Mar-2014 03:24:00 ALS Bottle#: 0 Worklist Smp#: 66
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: 680-99116-F-9 1G030514 Anion
Misc. Info.: 13151
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 10:57:36 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

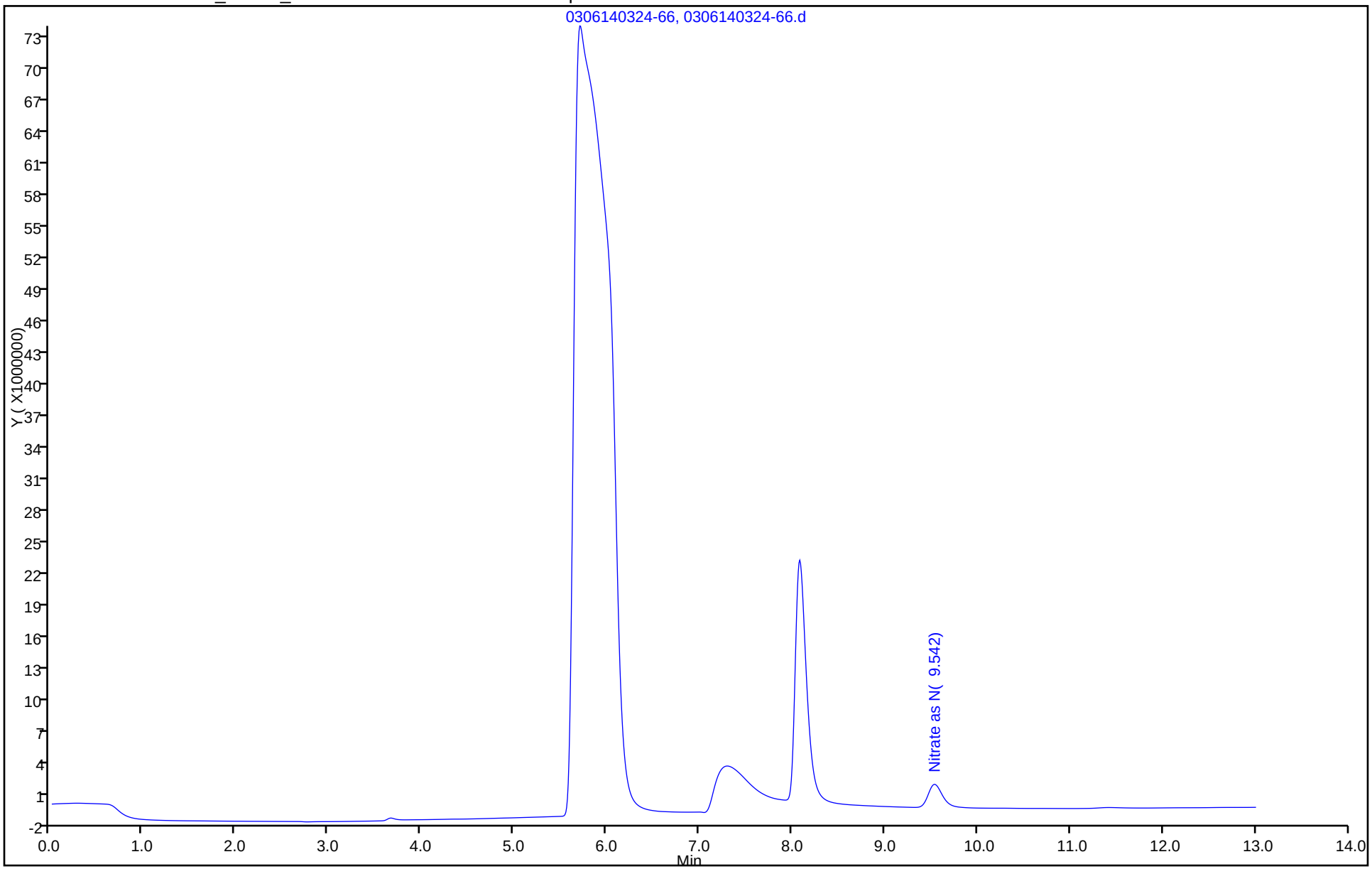
First Level Reviewer: singhv Date: 06-Mar-2014 09:05:03

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.542	9.550	-0.008	24067460	0.4937	
S 10 Nitrate as NO3					2.18	

Report Date: 07-Mar-2014 10:57:40 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140324-66.d				
Injection Date:	06-Mar-2014 03:24:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-9	Lab Sample ID:	680-99116-9	Worklist Smp#:	66
Client ID:	SMSSW10				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW02 Lab Sample ID: 680-99116-10

Matrix: Water Lab File ID: 0306140339-67.d

Analysis Method: 300.0 Date Collected: 03/04/2014 12:54

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 03:39

Con. Extract Vol.: 5(mL) Dilution Factor: 2

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318427 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	0.22	J	0.34	0.16
STL00672	Nitrate as NO3	2.7		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

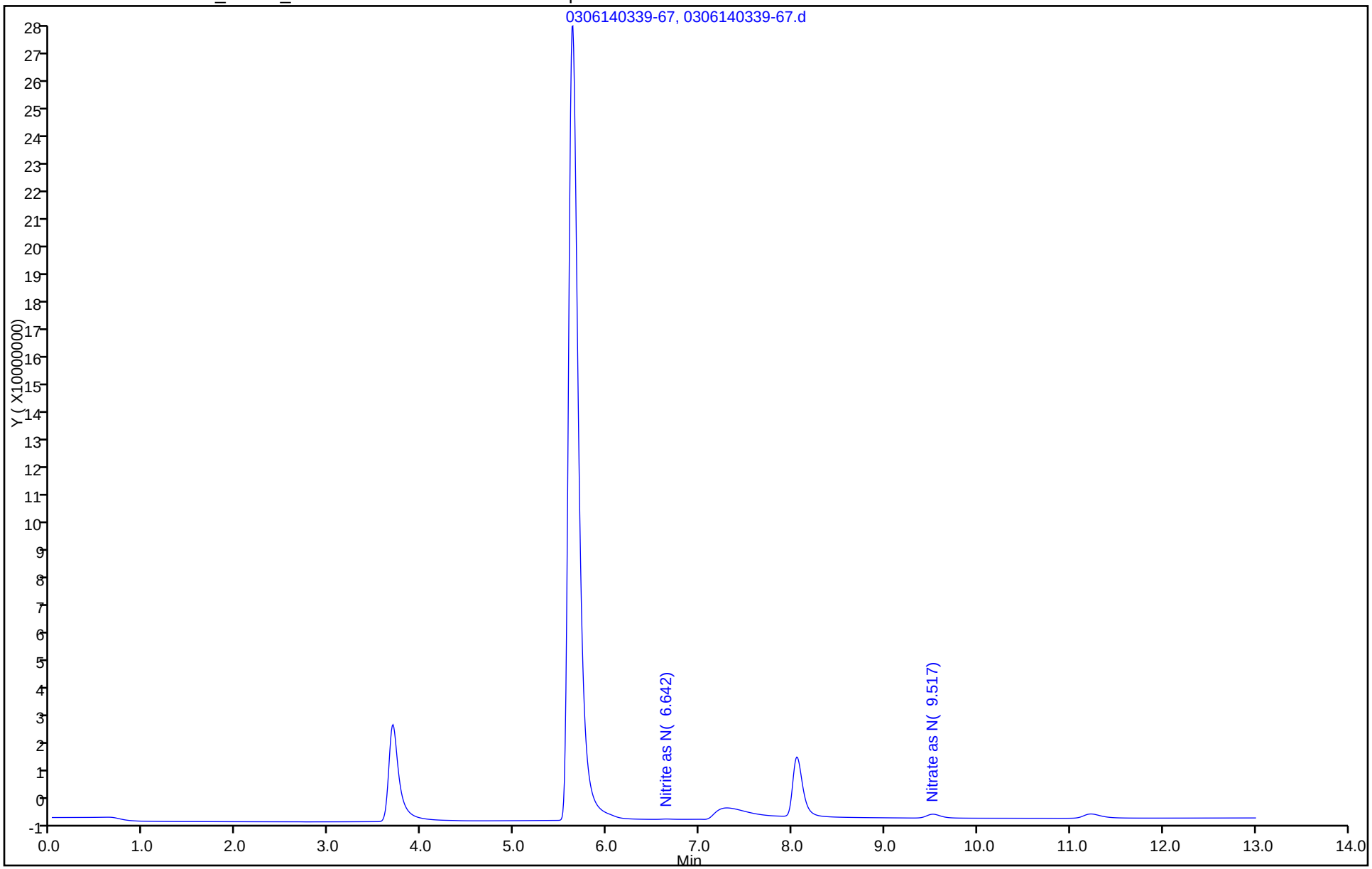
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140339-67.d				
Lims ID:	680-99116-F-10	Lab Sample ID:	680-99116-10		
Client ID:	SMSSW02				
Sample Type:	Client				
Inject. Date:	06-Mar-2014 03:39:00	ALS Bottle#:	0	Worklist Smp#:	67
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-99116-F-10 1G030514 Anion				
Misc. Info.:	10843				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 10:57:36	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.642	6.658	-0.016	855243	0.0334	
	6 Nitrate as N	9.517	9.550	-0.033	14550478	0.3035	
S	9 Nitrite as NO2					0.1099	
S	10 Nitrate as NO3					1.34	

Report Date: 07-Mar-2014 10:57:40 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140339-67.d				
Injection Date:	06-Mar-2014 03:39:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-10	Lab Sample ID:	680-99116-10	Worklist Smp#:	67
Client ID:	SMSSW02				
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW08 Lab Sample ID: 680-99116-11

Matrix: Water Lab File ID: 0306140354-68.d

Analysis Method: 300.0 Date Collected: 03/04/2014 13:50

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 03:54

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318427 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	7.0		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

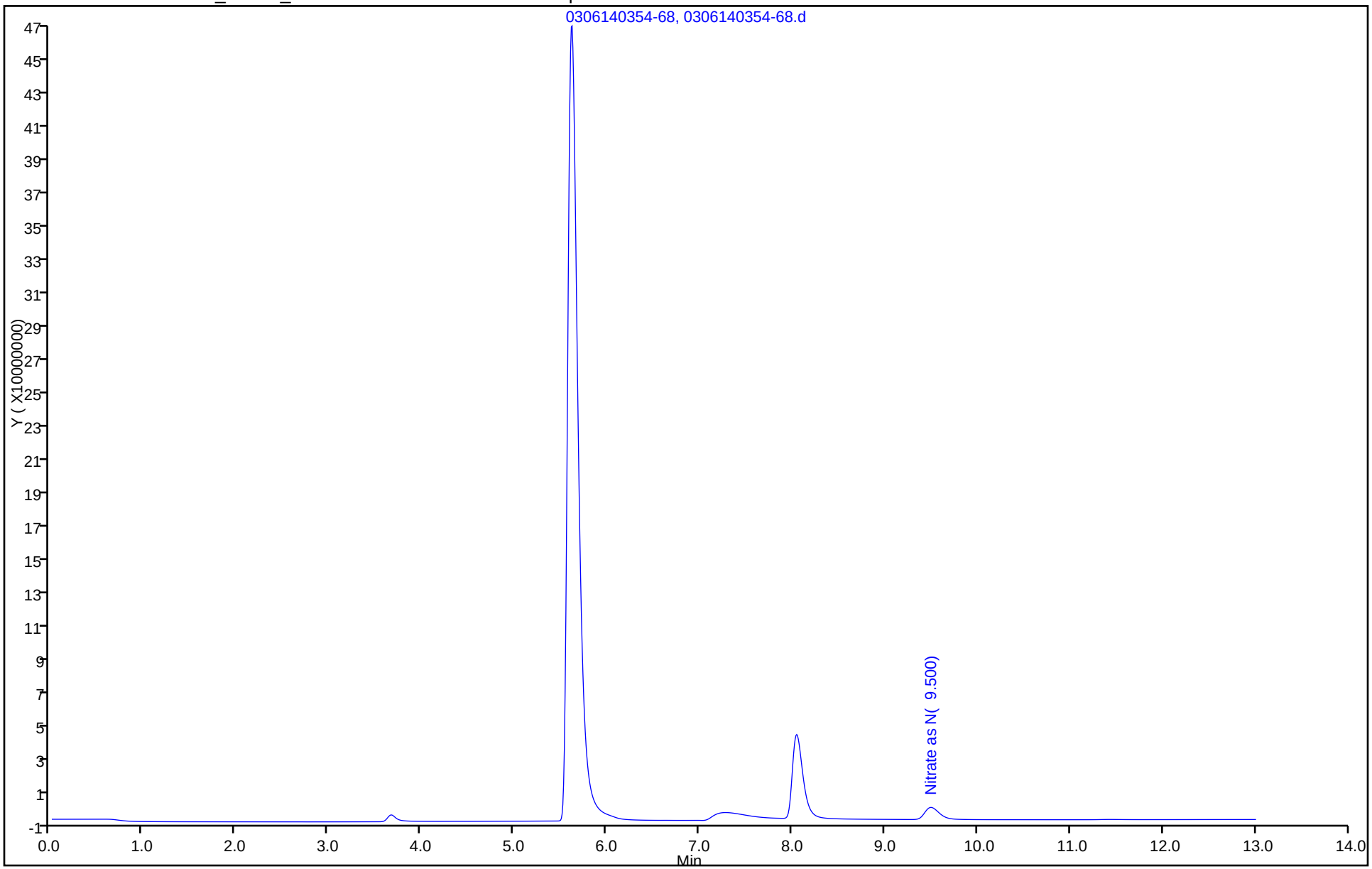
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140354-68.d				
Lims ID:	680-99116-F-11	Lab Sample ID:	680-99116-11		
Client ID:	SMSSW08				
Sample Type:	Client				
Inject. Date:	06-Mar-2014 03:54:00	ALS Bottle#:	0	Worklist Smp#:	68
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99116-F-11 1G030514 Anion				
Misc. Info.:	27551				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 10:57:36	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.500	9.550	-0.050	78862522	1.59	
S 10 Nitrate as NO3					7.03	

Report Date: 07-Mar-2014 10:57:41 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140354-68.d				
Injection Date:	06-Mar-2014 03:54:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-11	Lab Sample ID:	680-99116-11	Worklist Smp#:	68
Client ID:	SMSSW08				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW08 SPRING Lab Sample ID: 680-99116-12

Matrix: Water Lab File ID: 0306140410-69.d

Analysis Method: 300.0 Date Collected: 03/04/2014 13:38

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 04:10

Con. Extract Vol.: 5(mL) Dilution Factor: 2

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318427 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	0.16	J	0.34	0.16

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140410-69.d
Lims ID: 680-99116-F-12 Lab Sample ID: 680-99116-12
Client ID: SMSSW08 SPRING
Sample Type: Client
Inject. Date: 06-Mar-2014 04:10:00 ALS Bottle#: 0 Worklist Smp#: 69
Injection Vol: 25.0 ul Dil. Factor: 2.0000
Sample Info: 680-99116-F-12 1G030514 Anion
Misc. Info.: 31514
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 12:25:29 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK026

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.642	6.650	-0.008	454318	0.0246	
	6 Nitrate as N	9.475	9.533	-0.058	99562647	2.00	E
S	9 Nitrite as NO2					0.0810	
S	10 Nitrate as NO3					8.86	

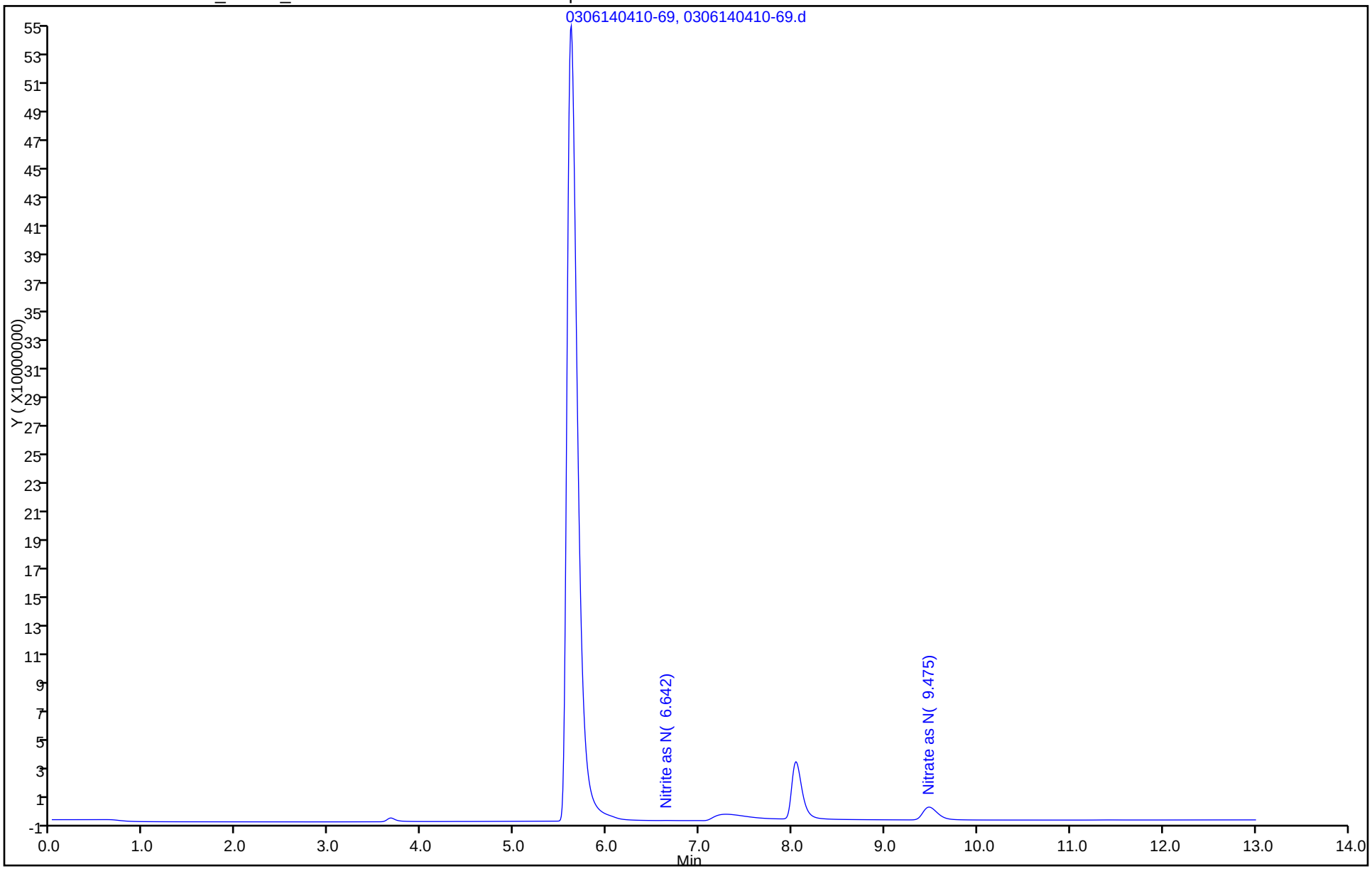
QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Report Date: 07-Mar-2014 15:39:37 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140410-69.d				
Injection Date:	06-Mar-2014 04:10:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-12	Lab Sample ID:	680-99116-12	Worklist Smp#:	69
Client ID:	SMSSW08 SPRING				
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID: SMSSW08 SPRING
Lab Sample ID: 680-99116-12
Matrix: Water
Lab File ID: 0306141153-12.d
Analysis Method: 300.0
Date Collected: 03/04/2014 13:38
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 11:53
Con. Extract Vol.: 5(mL)
Dilution Factor: 4
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318480
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00672	Nitrate as NO3	17		0.88	0.44

TestAmerica Savannah
Target Compound Quantitation Report

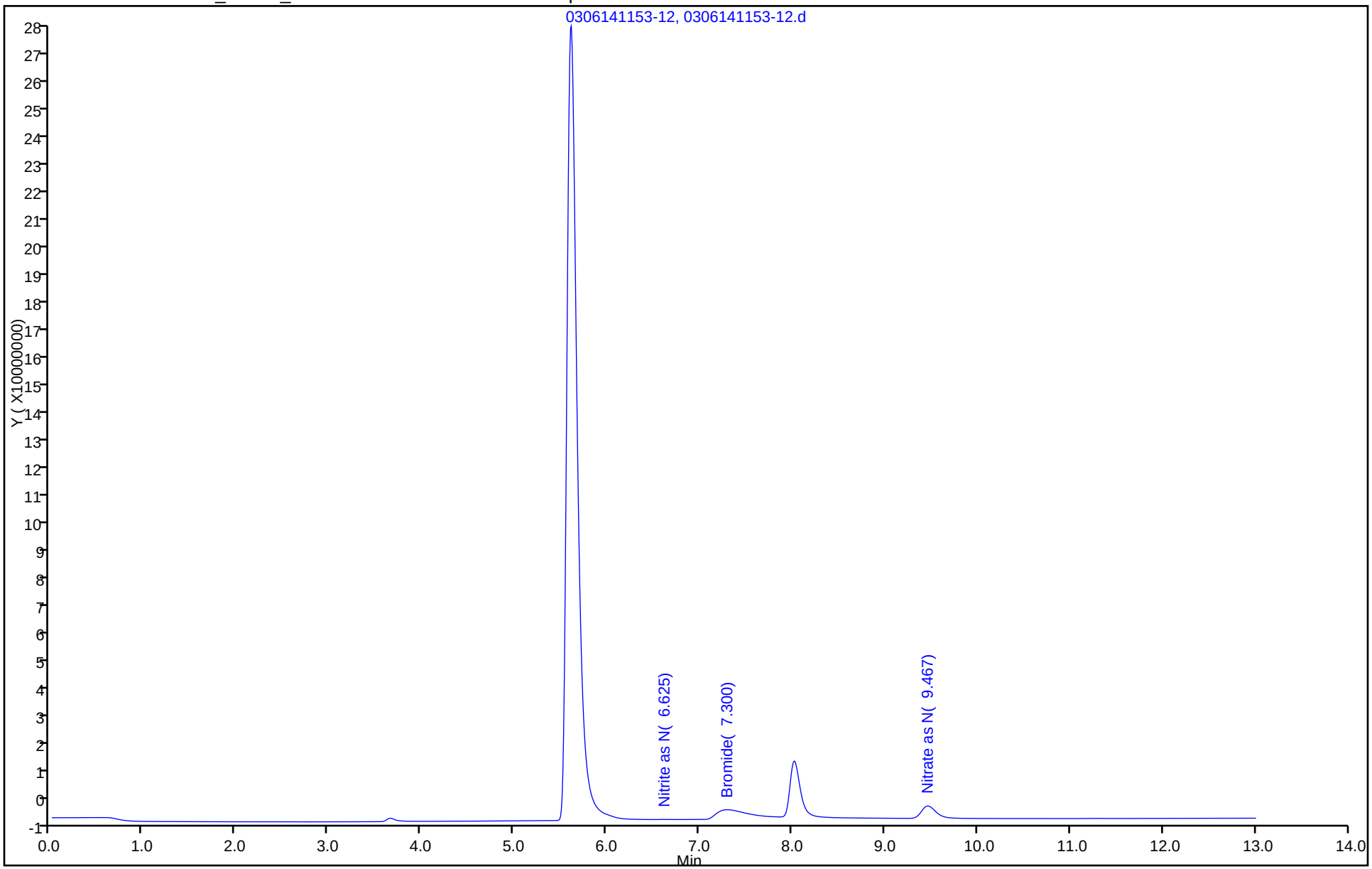
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141153-12.d				
Lims ID:	680-99116-F-12	Lab Sample ID:	680-99116-12		
Client ID:	SMSSW08 SPRING				
Sample Type:	Client				
Inject. Date:	06-Mar-2014 11:53:00	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	25.0 ul	Dil. Factor:	4.0000		
Sample Info:	680-99116-F-12 1G030614 Anion				
Misc. Info.:	22061				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:40	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.625	6.625	0.0	214807	0.0194	
	4 Bromide	7.300	7.333	-0.033	69032553	NC	
	6 Nitrate as N	9.467	9.483	-0.016	48075935	0.9734	
S	9 Nitrite as NO2					0.0638	
S	10 Nitrate as NO3					4.31	

Report Date: 07-Mar-2014 13:07:43 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141153-12.d				
Injection Date:	06-Mar-2014 11:53:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-12	Lab Sample ID:	680-99116-12	Worklist Smp#:	12
Client ID:	SMSSW08 SPRING				
Injection Vol:	25.0 ul	Dil. Factor:	4.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW04 Lab Sample ID: 680-99116-13

Matrix: Water Lab File ID: 0306140425-70.d

Analysis Method: 300.0 Date Collected: 03/04/2014 14:40

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 04:25

Con. Extract Vol.: 5(mL) Dilution Factor: 2

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318427 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.16		0.34	0.16
STL00672	Nitrate as NO3	7.3		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

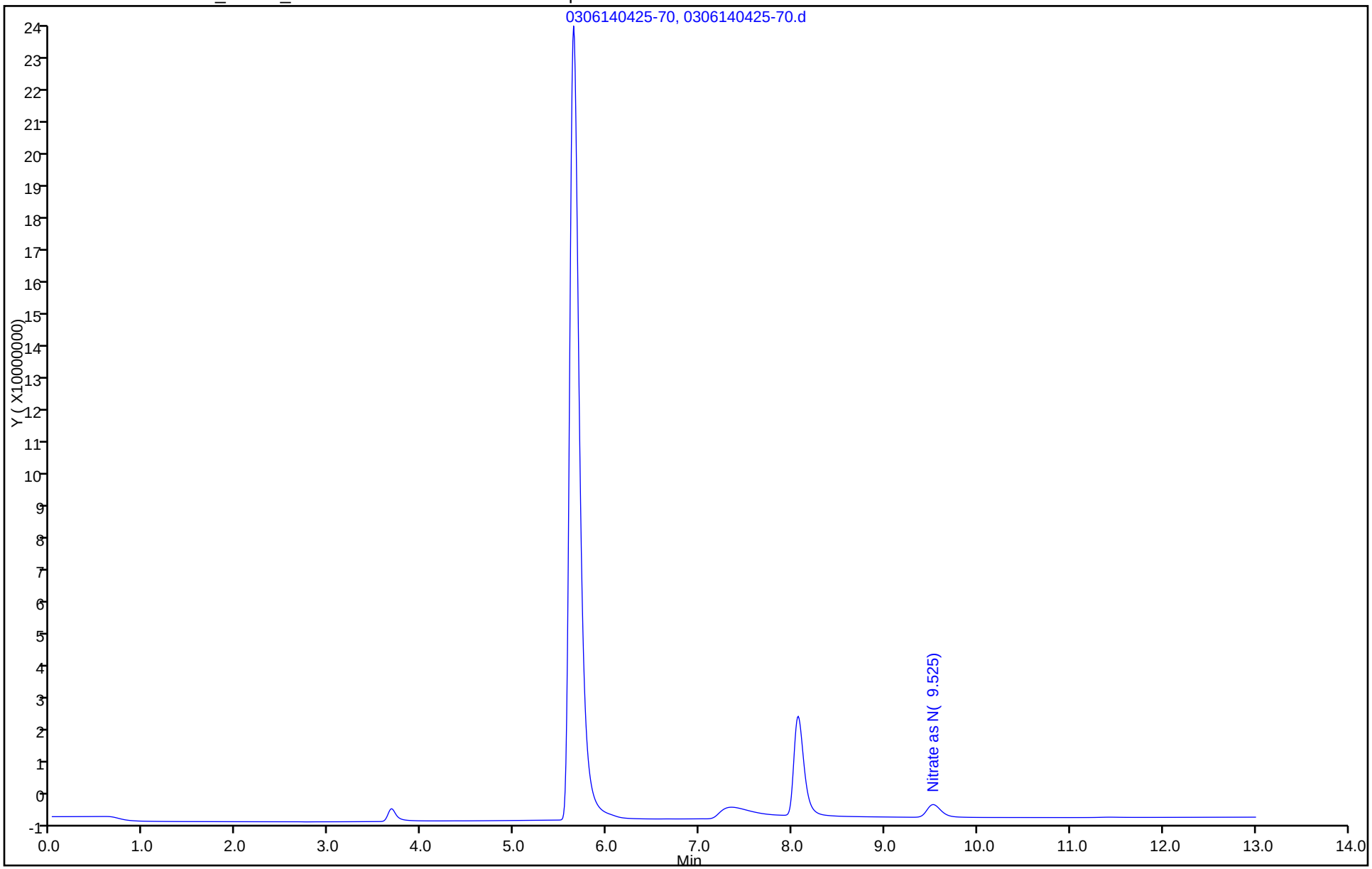
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140425-70.d				
Lims ID:	680-99116-F-13	Lab Sample ID:	680-99116-13		
Client ID:	SMSSW04				
Sample Type:	Client				
Inject. Date:	06-Mar-2014 04:25:00	ALS Bottle#:	0	Worklist Smp#:	70
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-99116-F-13 1G030514 Anion				
Misc. Info.:	16648				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 10:57:36	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.525	9.550	-0.025	40792282	0.8278	
S 10 Nitrate as NO3					3.66	

Report Date: 07-Mar-2014 10:57:41 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140425-70.d				
Injection Date:	06-Mar-2014 04:25:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-13	Lab Sample ID:	680-99116-13	Worklist Smp#:	70
Client ID:	SMSSW04				
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW12 | Lab Sample ID: 680-99116-14

Matrix: Water | Lab File ID: 0306141240-15.d

Analysis Method: 300.0 | Date Collected: 03/04/2014 15:30

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 03/06/2014 12:40

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 25(uL) | GC Column: AS18 ID: 4(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 318480 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	8.1		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

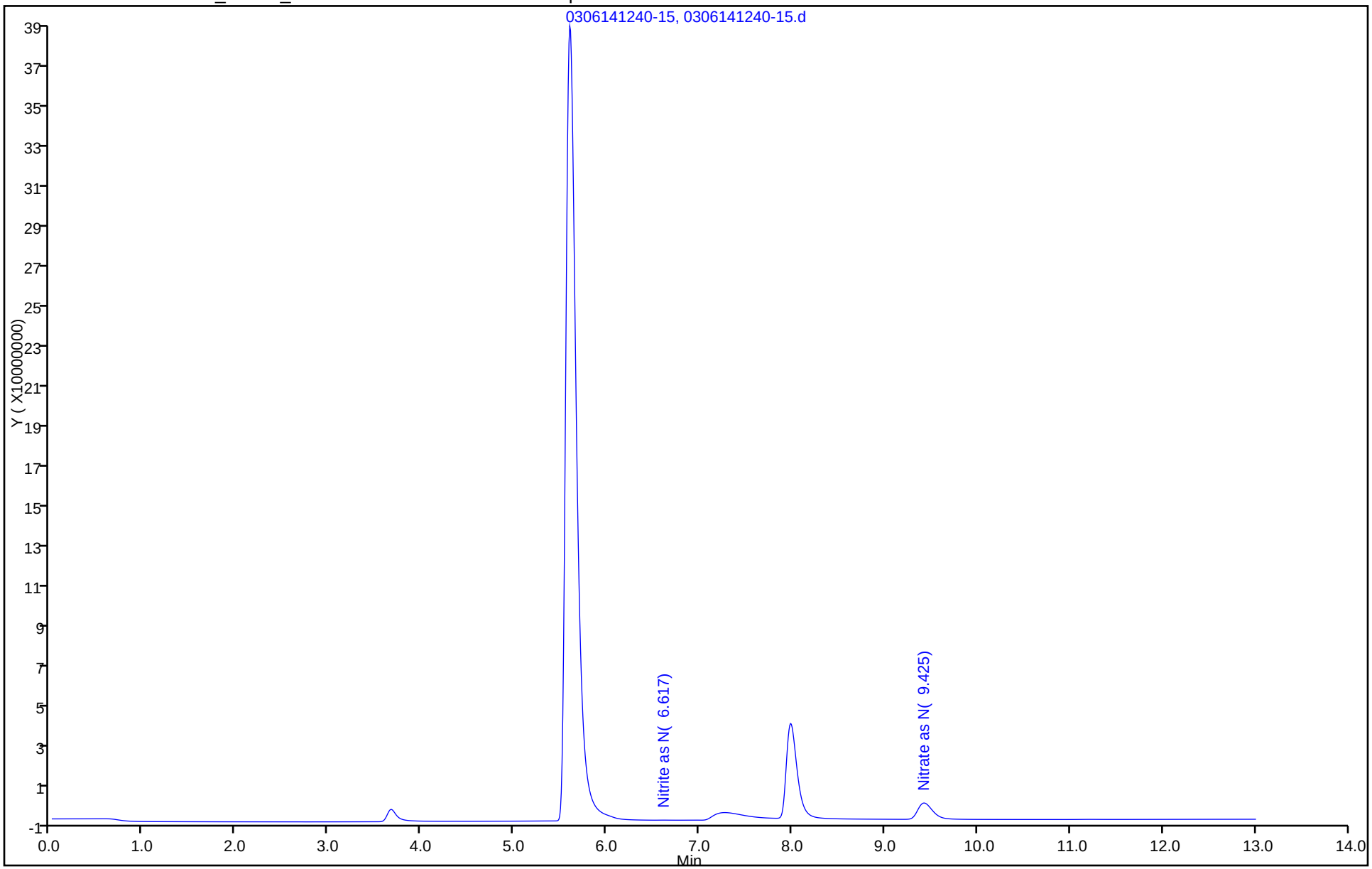
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141240-15.d				
Lims ID:	680-99116-F-14	Lab Sample ID:	680-99116-14		
Client ID:	SMSSW12				
Sample Type:	Client				
Inject. Date:	06-Mar-2014 12:40:00	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99116-F-14 1G030614 Anion				
Misc. Info.:	17895				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:40	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
5 Nitrite as N	6.617	6.625	-0.008	192108	0.0189	
6 Nitrate as N	9.425	9.483	-0.058	90880887	1.83	
S 9 Nitrite as NO2					0.0621	
S 10 Nitrate as NO3					8.09	

Report Date: 07-Mar-2014 13:07:44 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141240-15.d				
Injection Date:	06-Mar-2014 12:40:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-14	Lab Sample ID:	680-99116-14	Worklist Smp#:	15
Client ID:	SMSSW12				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1 Analy Batch No.: 317856

SDG No.: 68099116-1

Instrument ID: CICG GC Column: AS18 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/28/2014 15:10 Calibration End Date: 02/28/2014 16:42 Calibration ID: 26631

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-317856/2	0228141510-22.d
Level 2	IC 680-317856/3	0228141525-23.d
Level 3	IC 680-317856/4	0228141540-24.d
Level 4	IC 680-317856/5	0228141556-25.d
Level 5	IC 680-317856/6	0228141611-26.d
Level 6	IC 680-317856/7	0228141627-27.d
Level 7	IC 680-317856/8	0228141642-28.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Nitrite as N	6.700	6.700	6.708	6.700	6.692	6.700	6.700				6.450 - 6.950	6.700
Nitrate as N	9.658	9.667	9.658	9.642	9.625	9.617	9.608				9.392 - 9.892	9.639

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-99116-1 Analy Batch No.: 317856

SDG No.: 68099116-1

Instrument ID: CICG GC Column: AS18 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/28/2014 15:10 Calibration End Date: 02/28/2014 16:42 Calibration ID: 26631

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-317856/2	0228141510-22.d
Level 2	IC 680-317856/3	0228141525-23.d
Level 3	IC 680-317856/4	0228141540-24.d
Level 4	IC 680-317856/5	0228141556-25.d
Level 5	IC 680-317856/6	0228141611-26.d
Level 6	IC 680-317856/7	0228141627-27.d
Level 7	IC 680-317856/8	0228141642-28.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
Nitrite as N	32651036 45507452	38536984 45778405	42070481 45655983	43903927	Lin2	-670505.82	45670163.8							1.0000		0.9900
Nitrate as N	38257367 49973351	42880376 51319473	44905223 51738124	46909769	Lin2	-637606.28	50045396.0							0.9980		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-99116-1 Analy Batch No.: 317856

SDG No.: 68099116-1

Instrument ID: CICG GC Column: AS18 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/28/2014 15:10 Calibration End Date: 02/28/2014 16:42 Calibration ID: 26631

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-317856/2	0228141510-22.d
Level 2	IC 680-317856/3	0228141525-23.d
Level 3	IC 680-317856/4	0228141540-24.d
Level 4	IC 680-317856/5	0228141556-25.d
Level 5	IC 680-317856/6	0228141611-26.d
Level 6	IC 680-317856/7	0228141627-27.d
Level 7	IC 680-317856/8	0228141642-28.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Nitrite as N	Lin2	1632813 68678595	3854315 91326576	10519303	21955476	45514733	0.0500 1.50	0.100 2.00	0.250	0.500	1.00
Nitrate as N	Lin2	1912964 76983058	4288252 103481422	11226867	23456057	49975850	0.0500 1.50	0.100 2.00	0.250	0.500	1.00

Curve Type Legend:

Lin2 = Linear 1/conc^2

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141510-22.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 28-Feb-2014 15:10:00 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-1 1G022814 Anion
Misc. Info.: 8535
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140228-6812.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 10-Mar-2014 11:59:45 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK027

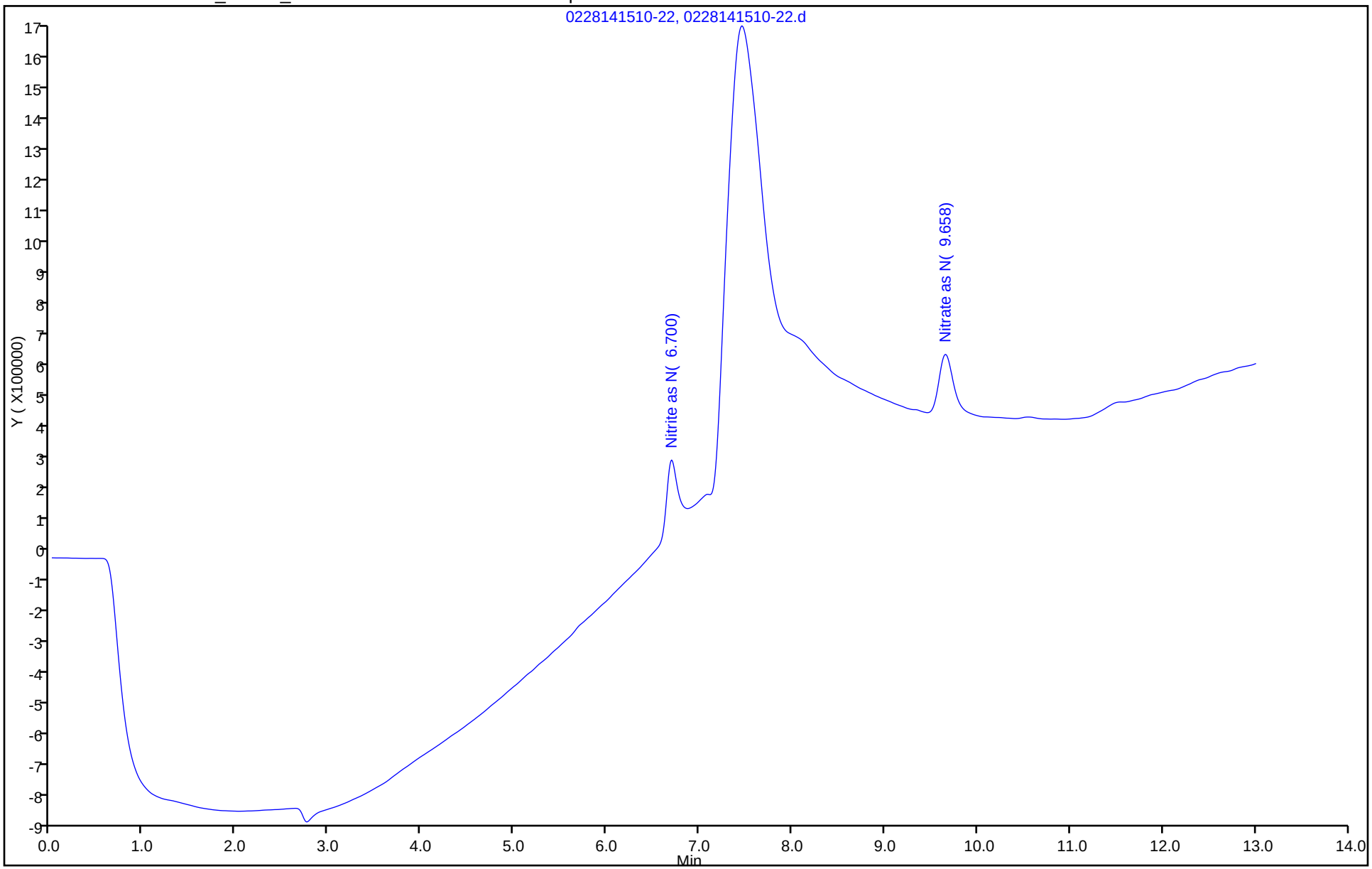
First Level Reviewer: singhv Date: 28-Feb-2014 16:47:16

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.700	6.700	0.0	1632813	0.0504	
	6 Nitrate as N	9.658	9.642	0.016	1912964	0.0510	
S	9 Nitrite as NO2					0.1659	
S	10 Nitrate as NO3					0.2256	

Report Date: 10-Mar-2014 11:59:45 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141510-22.d				
Injection Date:	28-Feb-2014 15:10:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	2
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141525-23.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 28-Feb-2014 15:25:00 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-2 1G022814 Anion
Misc. Info.: 8184
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140228-6812.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 10-Mar-2014 11:59:46 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

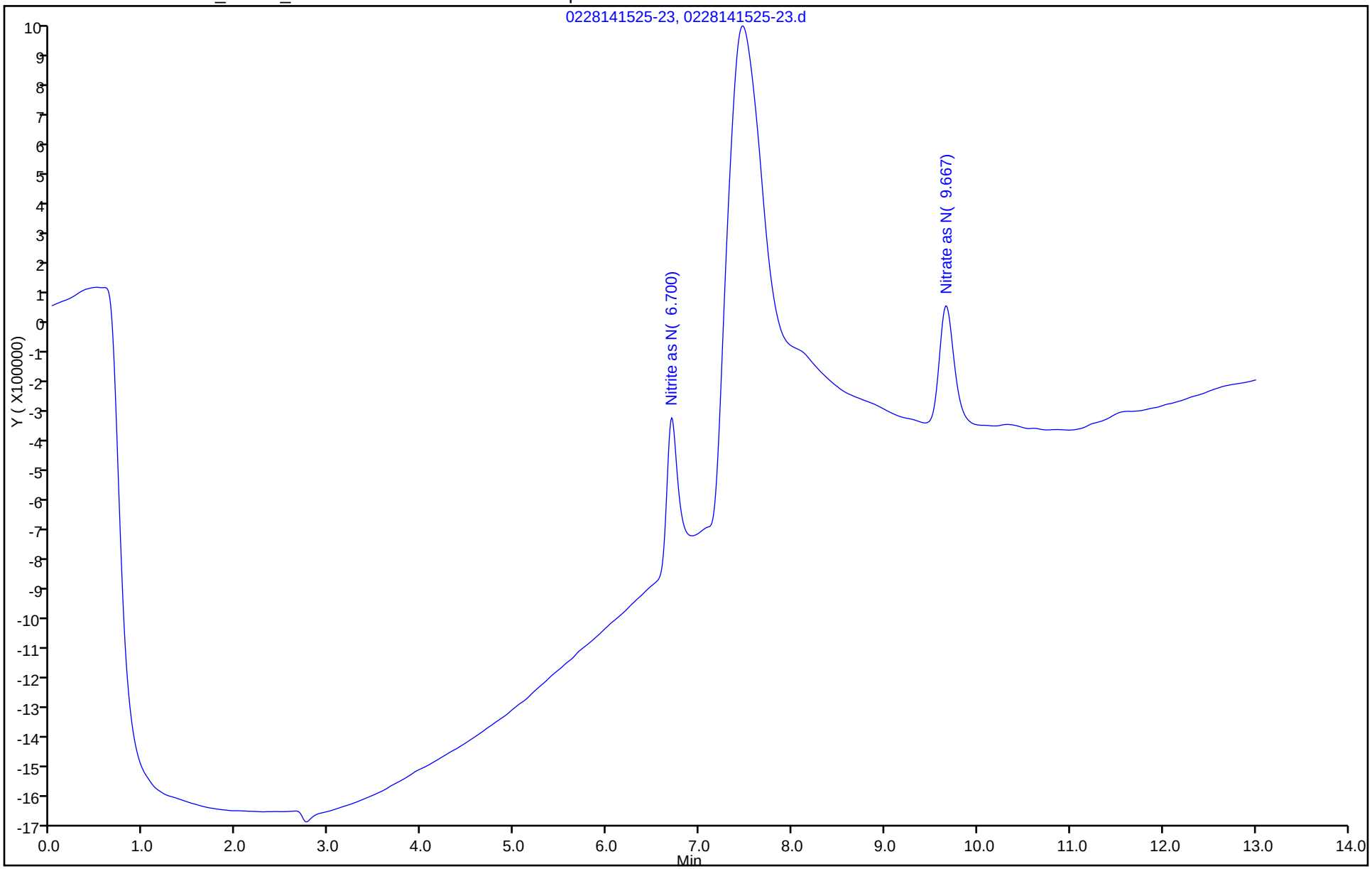
Column 1 : Det: 0423131702-17
Process Host: XAWRK027

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.700	6.700	0.0	3854315	0.0991	
	6 Nitrate as N	9.667	9.642	0.025	4288252	0.0984	
S	9 Nitrite as NO2					0.3260	
S	10 Nitrate as NO3					0.4356	

Report Date: 10-Mar-2014 11:59:46 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141525-23.d				
Injection Date:	28-Feb-2014 15:25:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	3
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



TestAmerica Savannah
Target Compound Quantitation Report

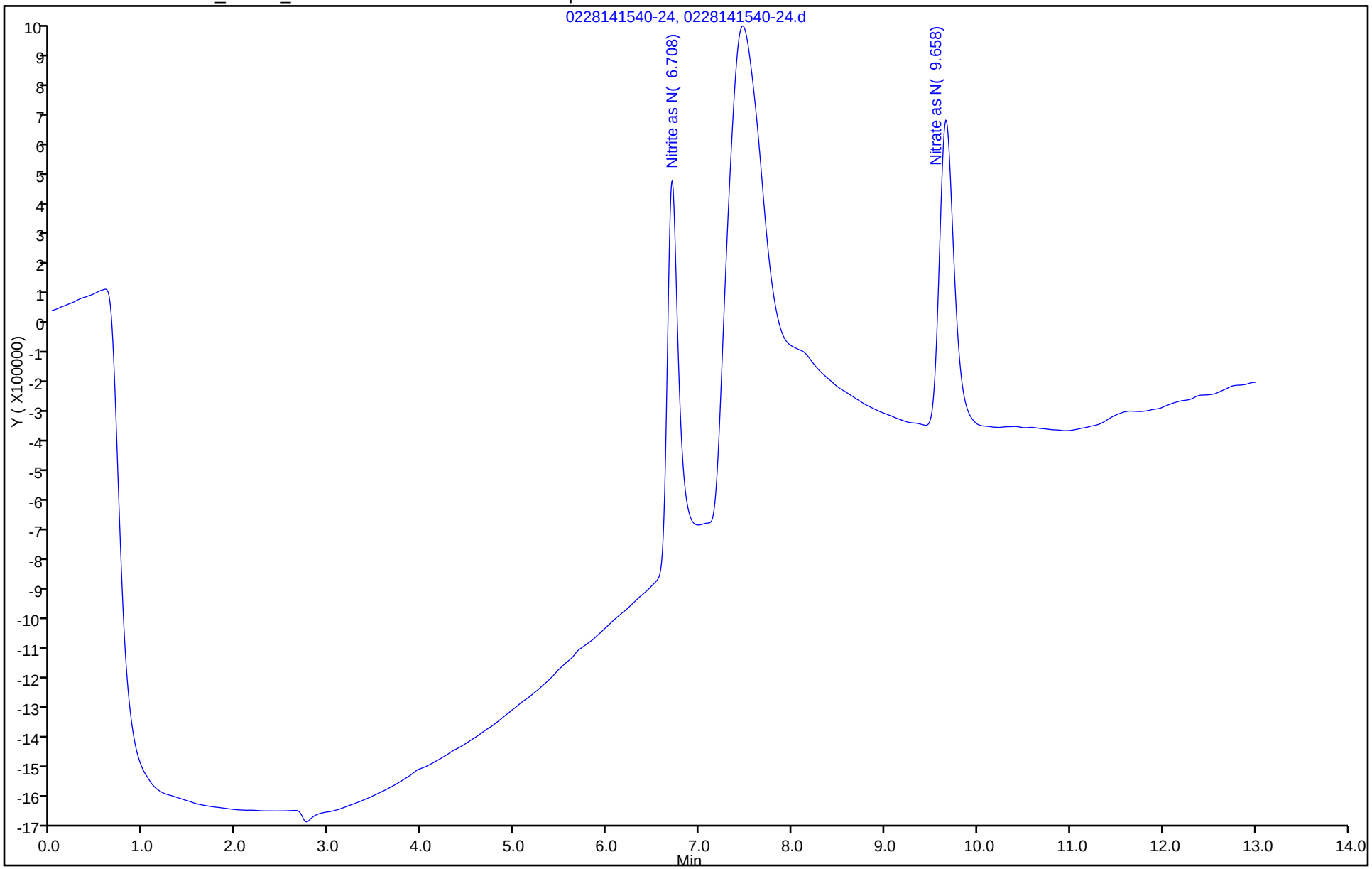
Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141540-24.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	3		
Inject. Date:	28-Feb-2014 15:40:00	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-3 1G022814 Anion				
Misc. Info.:	16295				
Operator ID:		Instrument ID:	CICG		
Sublist:	chrom-300.0_9056A_CICG*sub2				
Method:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	10-Mar-2014 11:59:47	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK027				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.708	6.700	0.008	10519303	0.2450	
	6 Nitrate as N	9.658	9.642	0.016	11226867	0.2371	
S	9 Nitrite as NO2					0.8061	
S	10 Nitrate as NO3					1.05	

Report Date: 10-Mar-2014 11:59:47 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141540-24.d				
Injection Date:	28-Feb-2014 15:40:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141556-25.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 28-Feb-2014 15:56:00 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-4 1G022814 Anion
Misc. Info.: 17943
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140228-6812.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 10-Mar-2014 11:59:47 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK027

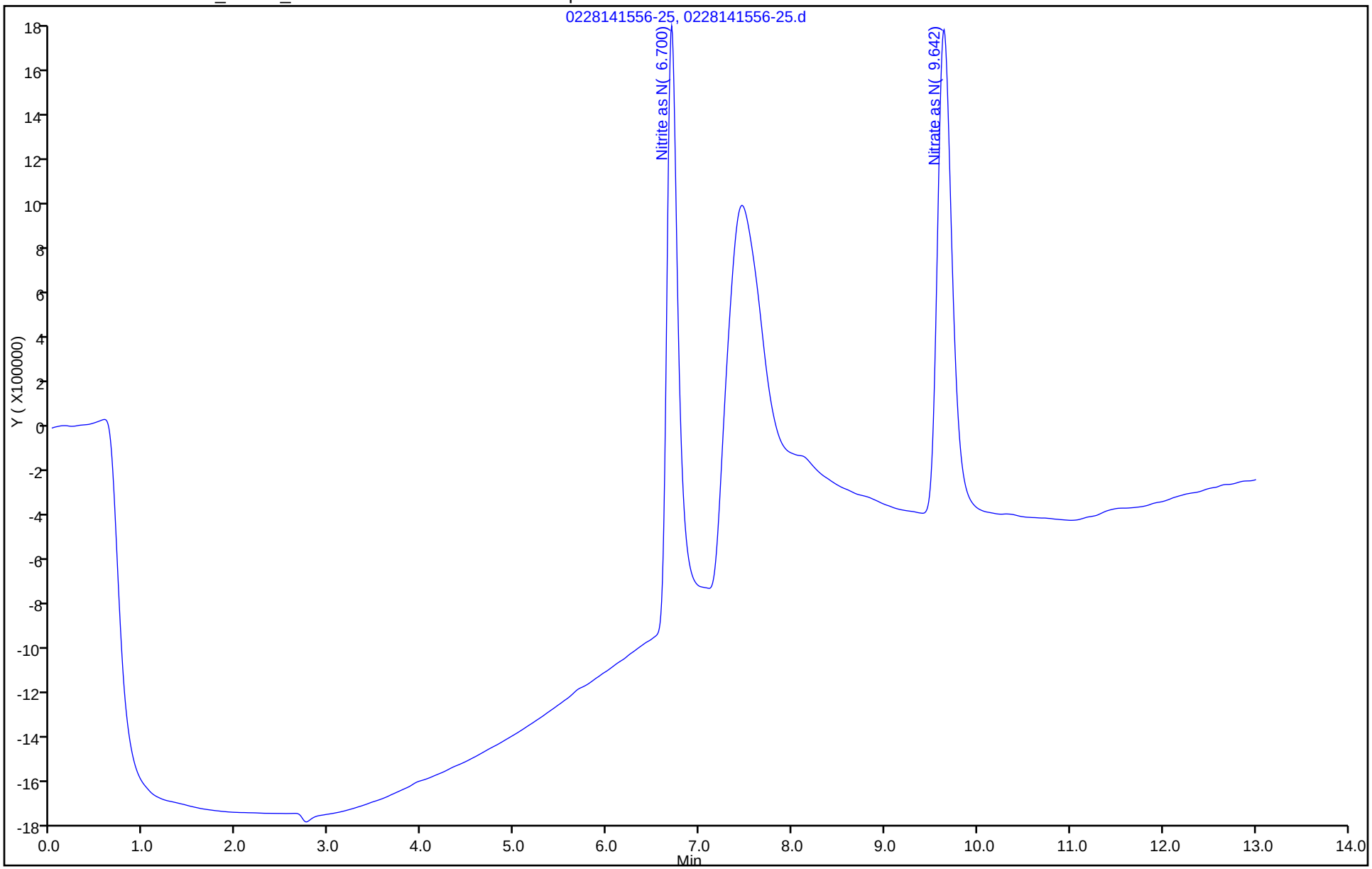
First Level Reviewer: thorntonp Date: 10-Mar-2014 11:59:18

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
5 Nitrite as N	6.700	6.700	0.0	21955476	0.4954	
6 Nitrate as N	9.642	9.642	0.0	23456057	0.4814	
S 9 Nitrite as NO2					1.63	
S 10 Nitrate as NO3					2.13	

Report Date: 10-Mar-2014 11:59:47 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141556-25.d				
Injection Date:	28-Feb-2014 15:56:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	5
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



TestAmerica Savannah
Target Compound Quantitation Report

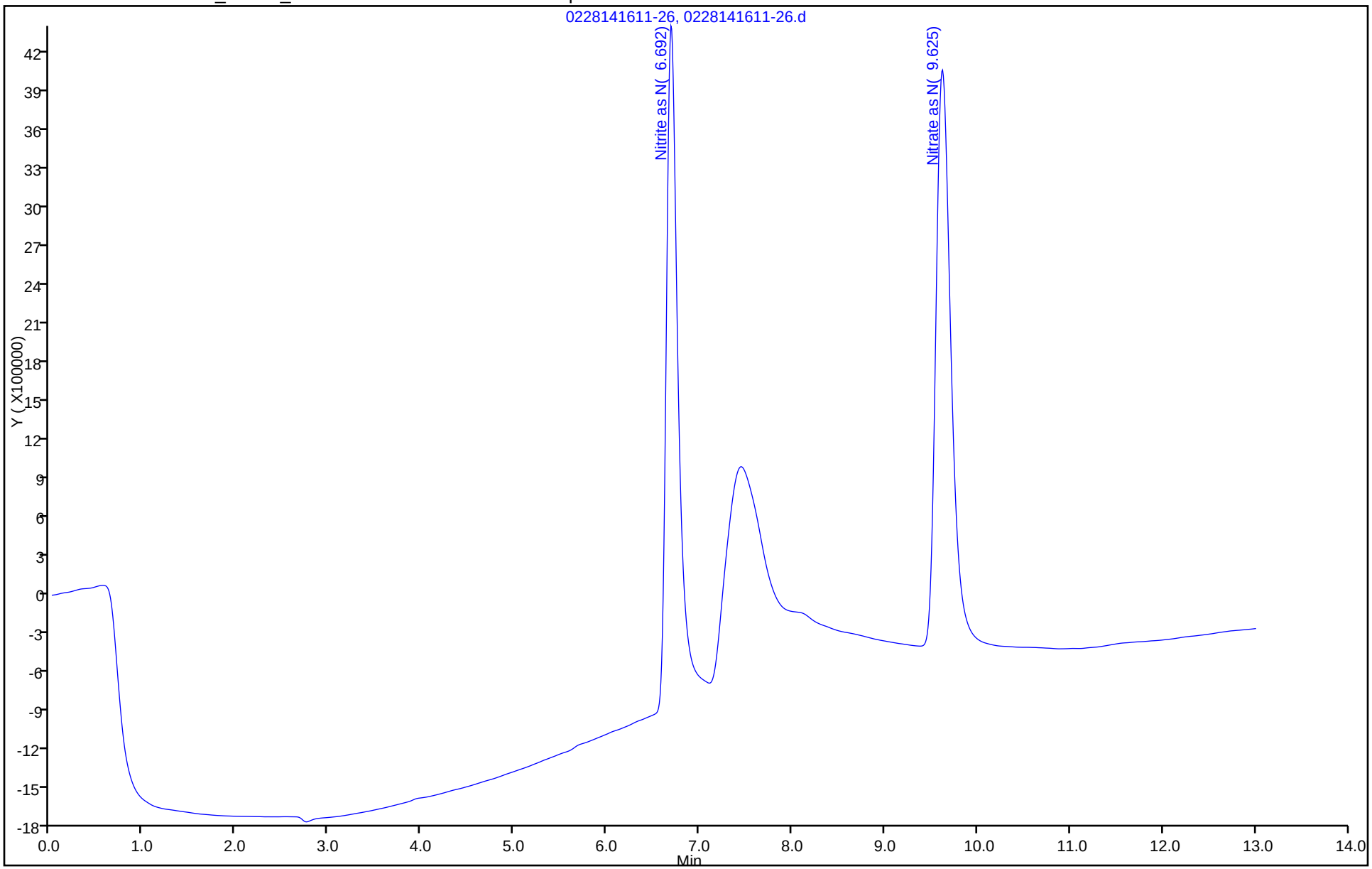
Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141611-26.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	5		
Inject. Date:	28-Feb-2014 16:11:00	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-5 1G022814 Anion				
Misc. Info.:	6586				
Operator ID:		Instrument ID:	CICG		
Sublist:	chrom-300.0_9056A_CICG*sub2				
Method:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	10-Mar-2014 11:59:48	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK027				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.692	6.700	-0.008	45514733	1.01	
	6 Nitrate as N	9.625	9.642	-0.017	49975850	1.01	
S	9 Nitrite as NO2					3.33	
S	10 Nitrate as NO3					4.48	

Report Date: 10-Mar-2014 11:59:48 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141611-26.d				
Injection Date:	28-Feb-2014 16:11:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	6
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141627-27.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 28-Feb-2014 16:27:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-6 1G022814 Anion
Misc. Info.: 25513
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140228-6812.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 10-Mar-2014 11:59:48 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK027

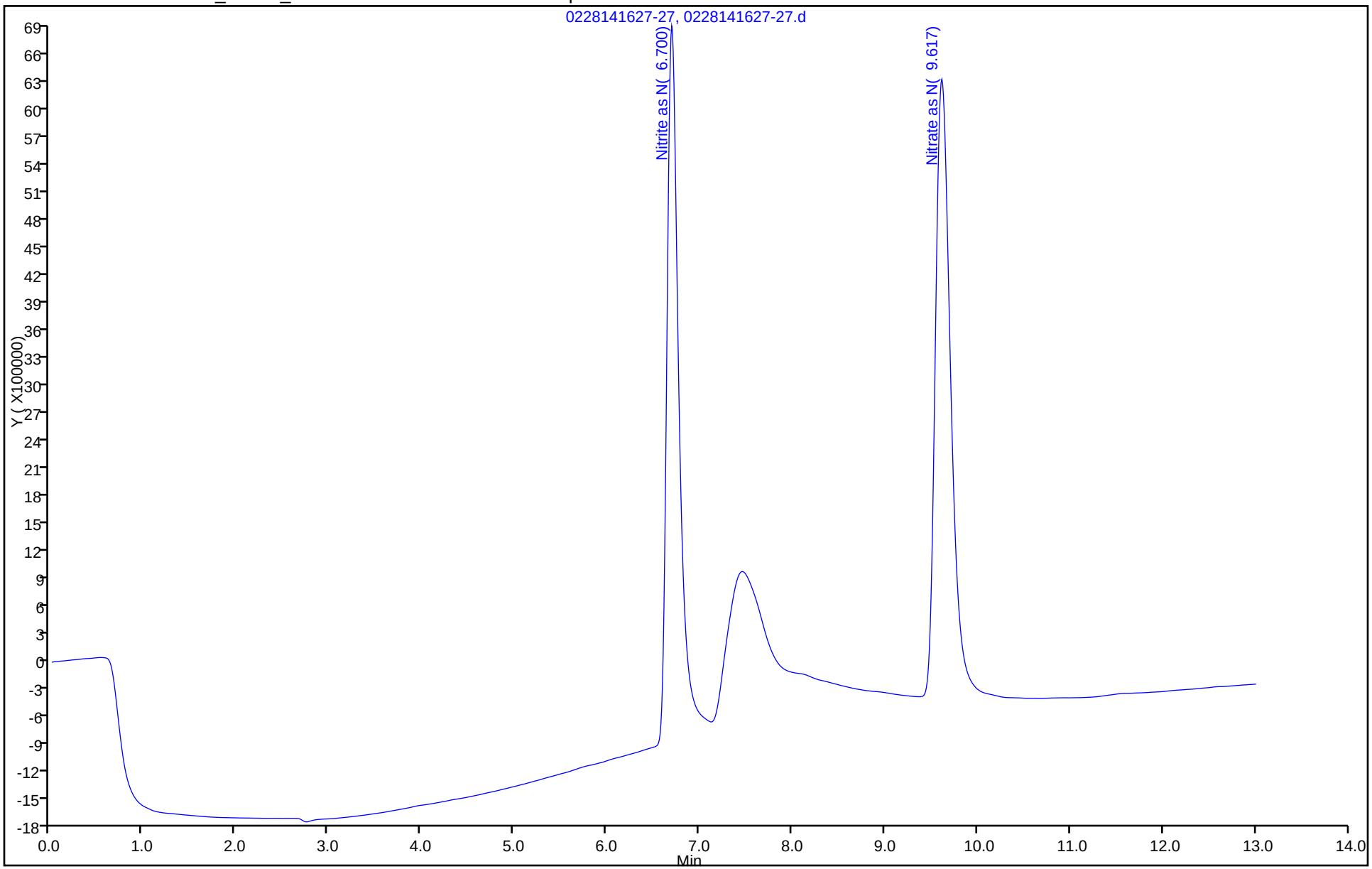
First Level Reviewer: thorntonp Date: 10-Mar-2014 11:58:49

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.700	6.700	0.0	68678595	1.52	
	6 Nitrate as N	9.617	9.642	-0.025	76983058	1.55	
S	9 Nitrite as NO2					5.00	
S	10 Nitrate as NO3					6.86	

Report Date: 10-Mar-2014 11:59:48 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141627-27.d				
Injection Date:	28-Feb-2014 16:27:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 28-Feb-2014 16:42:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-7 1G022814 Anion
Misc. Info.: 2628
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140228-6812.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 10-Mar-2014 12:12:00 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK027

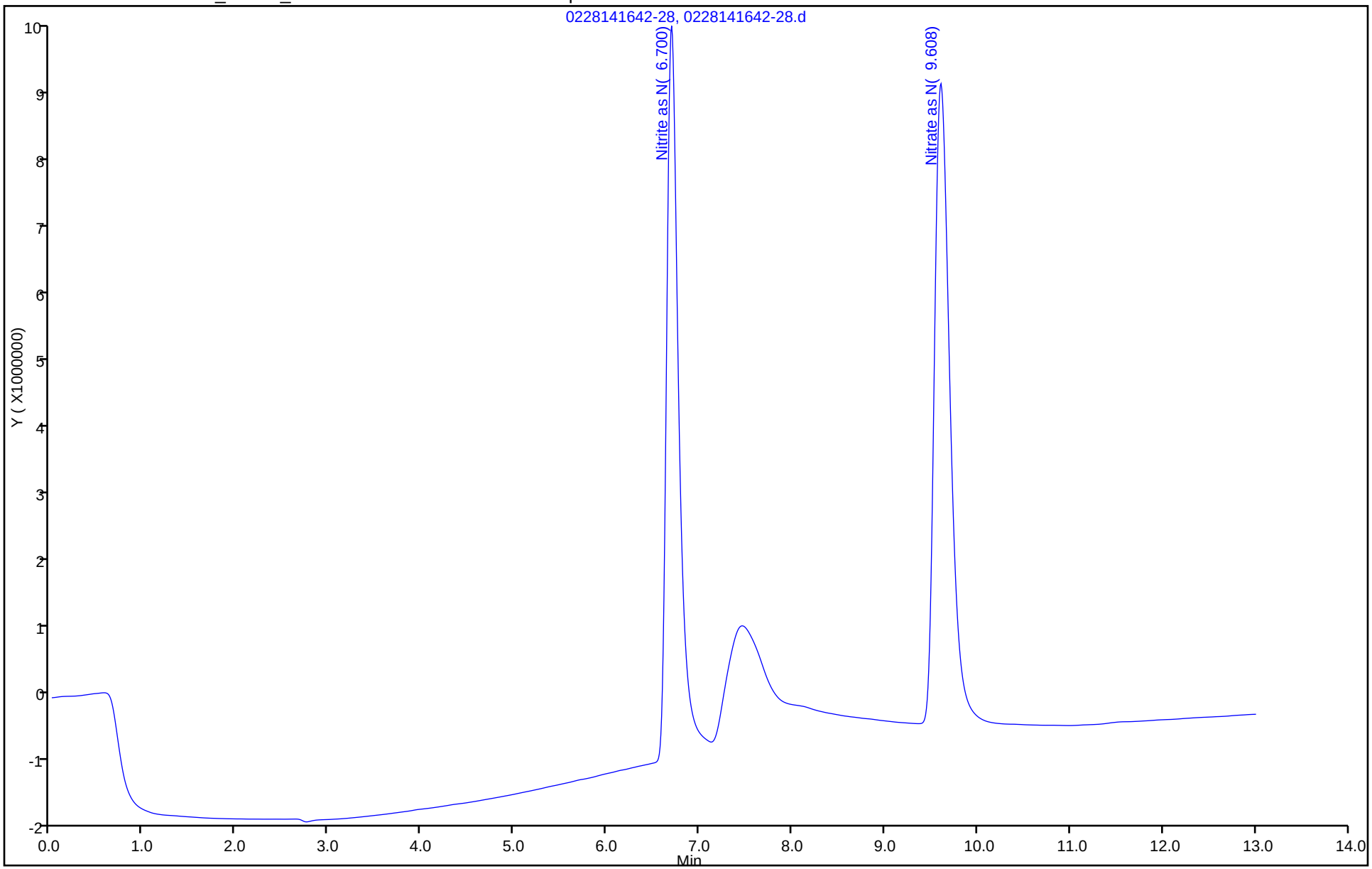
First Level Reviewer: singhv Date: 28-Feb-2014 17:22:56

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
5 Nitrite as N	6.700	6.700	0.0	91326576	2.01	
6 Nitrate as N	9.608	9.642	-0.034	103481422	2.08	
S 9 Nitrite as NO2					6.63	
S 10 Nitrate as NO3					9.21	

Report Date: 10-Mar-2014 12:12:00 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Injection Date:	28-Feb-2014 16:42:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: ICV 680-317856/1010 Calibration Date: 02/28/2014 17:13

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0228141713-30-ICV.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		45248884		1.00	0.997	0.5	10.0
Nitrate as N	Lin2		49604988		1.00	0.999	0.4	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: ICV 680-317856/1010 Calibration Date: 02/28/2014 17:13

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0228141713-30-ICV.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.70	6.45	6.95
Nitrate as N	9.62	9.39	9.89

TestAmerica Laboratories
Target Compound Quantitation Report

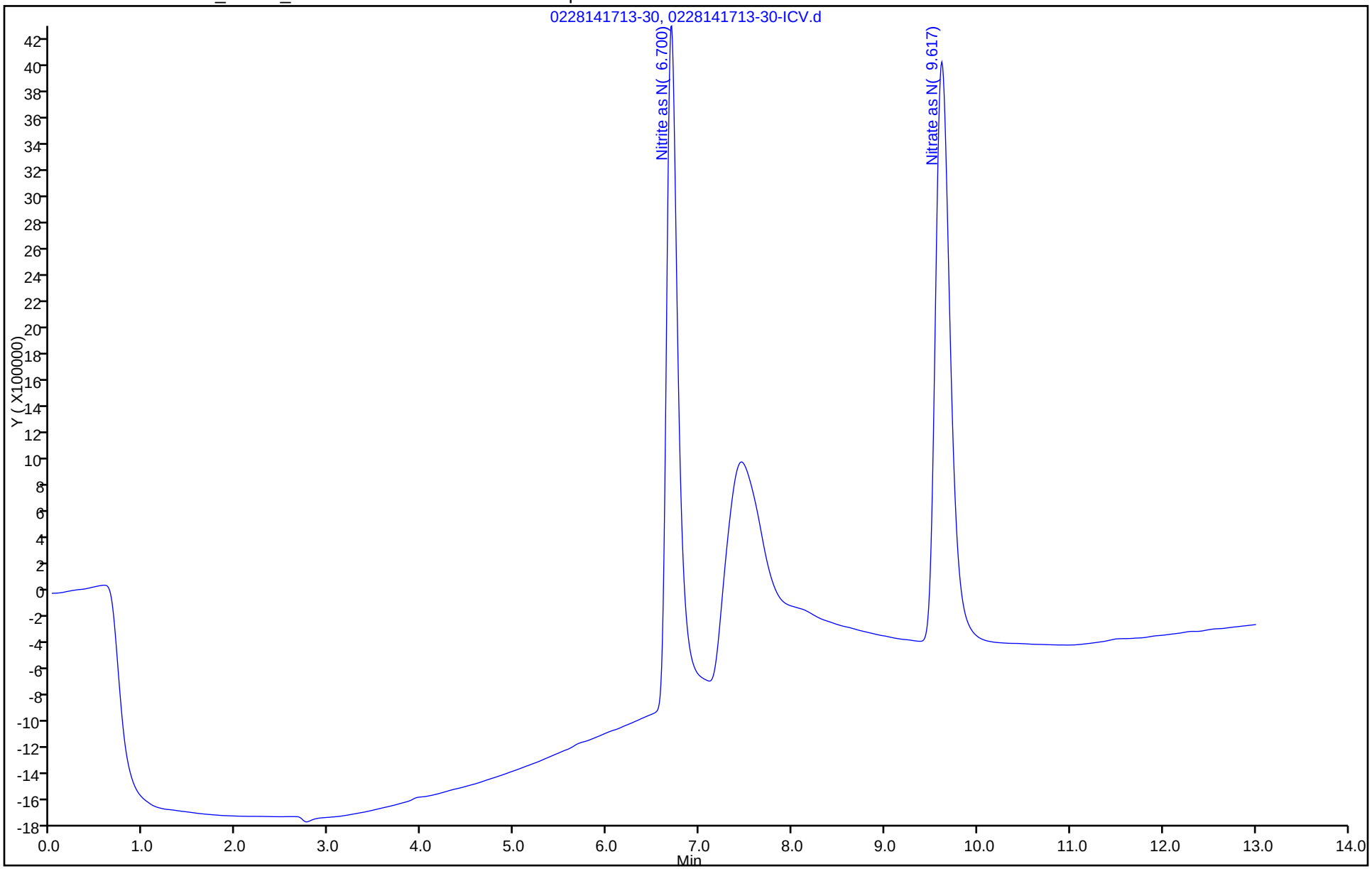
Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141713-30-ICV.d				
Lims ID:	ICV	Lab Sample ID:	LCS 680-317856/10-A		
Client ID:					
Sample Type:	ICV				
Inject. Date:	28-Feb-2014 17:13:00	ALS Bottle#:	0	Worklist Smp#:	1010
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 1G022814 Anion				
Misc. Info.:	14975 3473235				
Operator ID:		Instrument ID:	CICG		
Sublist:					
Method:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	03-Mar-2014 08:44:37	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK011				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.700	6.700	0.0	45118567	1.00	
	6 Nitrate as N	9.617	9.642	-0.025	49551415	1.00	
S	9 Nitrite as NO2					3.30	
S	10 Nitrate as NO3					4.44	

Report Date: 03-Mar-2014 08:44:38 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Laboratories

Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141713-30-ICV.d				
Injection Date:	28-Feb-2014 17:13:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	ICV	Lab Sample ID:	LCS 680-317856/10-A	Worklist Smp#:	1010
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-318426/31 Calibration Date: 03/05/2014 18:24

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0305141824-31.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		45297441		1.01	1.00	0.7	10.0
Nitrate as N	Lin2		47256159		0.957	1.00	-4.3	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-318426/31 Calibration Date: 03/05/2014 18:24

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0305141824-31.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.65	6.40	6.90
Nitrate as N	9.54	9.29	9.79

TestAmerica Savannah
Target Compound Quantitation Report

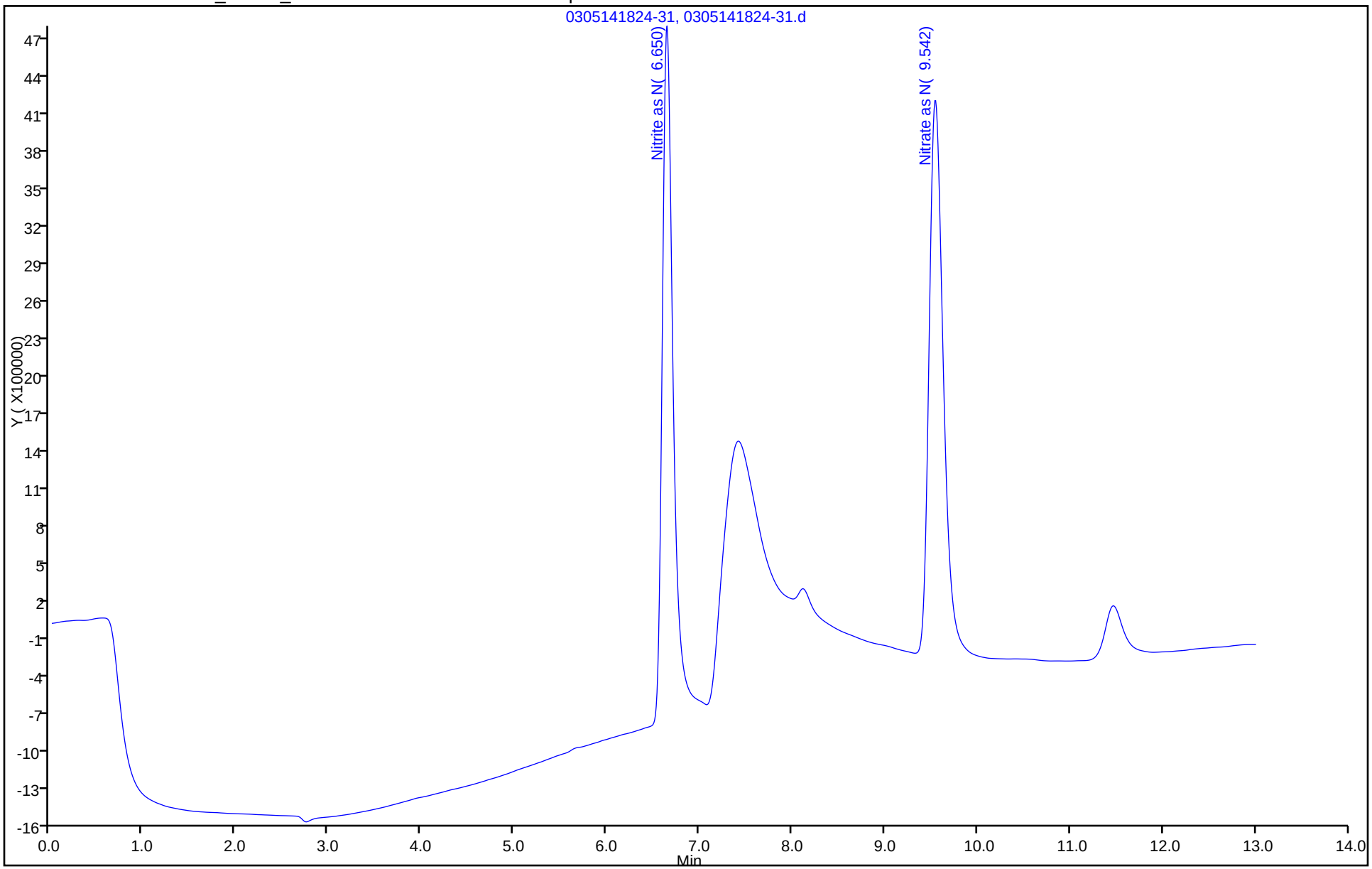
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141824-31.d				
Lims ID:	CCV	Lab Sample ID:			
Client ID:					
Sample Type:	CCV				
Inject. Date:	05-Mar-2014 18:24:00	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-5 1G030514 Anion				
Misc. Info.:	15066				
Operator ID:		Instrument ID:	CICG		
Sublist:	chrom-300.0_9056A_CICG*sub2				
Method:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	06-Mar-2014 11:01:49	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK012				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.650	6.650	0.0	45304689	1.01	
	6 Nitrate as N	9.542	9.542	0.0	47258522	0.9571	
S	9 Nitrite as NO2					3.31	
S	10 Nitrate as NO3					4.24	

Report Date: 06-Mar-2014 11:01:49 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141824-31.d				
Injection Date:	05-Mar-2014 18:24:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV	Lab Sample ID:		Worklist Smp#:	31
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-318426/45 Calibration Date: 03/05/2014 22:00

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0305142200-45.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		44835626		0.997	1.00	-0.4	10.0
Nitrate as N	Lin2		46694252		0.946	1.00	-5.4	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-318426/45 Calibration Date: 03/05/2014 22:00

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0305142200-45.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.66	6.41	6.91
Nitrate as N	9.53	9.28	9.78

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0305142200-45.d
Lims ID: CCV Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 05-Mar-2014 22:00:00 ALS Bottle#: 0 Worklist Smp#: 45
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-5 1G030514 Anion
Misc. Info.: 11326
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 10:57:32 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

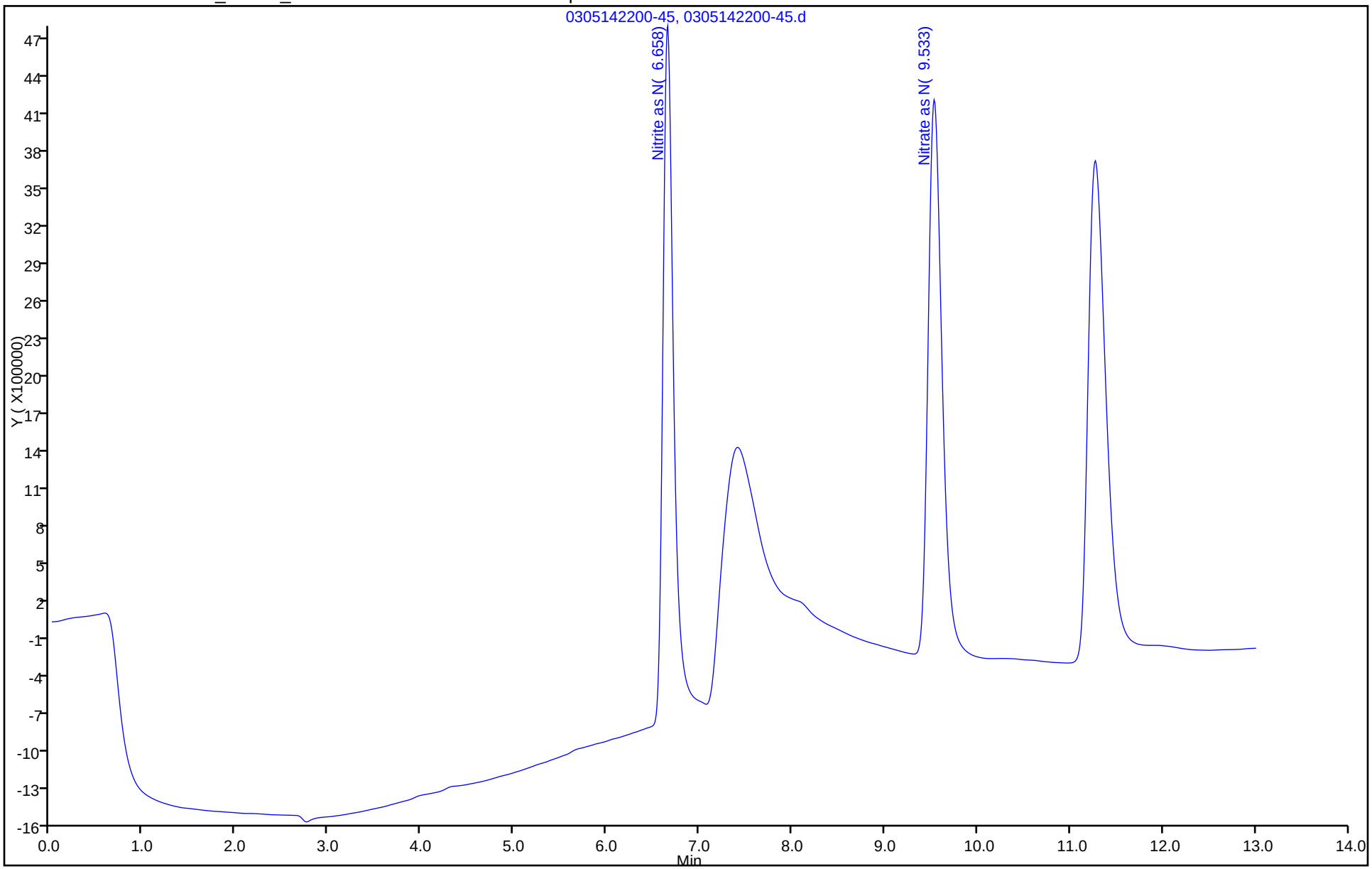
Column 1 : Det: 0423131702-17
Process Host: XAWRK009

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.658	6.658	0.0	44842800	1.00	
	6 Nitrate as N	9.533	9.533	0.0	46696587	0.9458	
S	9 Nitrite as NO2					3.28	
S	10 Nitrate as NO3					4.19	

Report Date: 07-Mar-2014 10:57:32 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305142200-45.d				
Injection Date:	05-Mar-2014 22:00:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV	Lab Sample ID:		Worklist Smp#:	45
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-318426/57 Calibration Date: 03/06/2014 01:05

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306140105-57.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		44983961		1.00	1.00	-0.0	10.0
Nitrate as N	Lin2		46878616		0.950	1.00	-5.1	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-318427/57 Calibration Date: 03/06/2014 01:05

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306140105-57.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		44983961		1.00	1.00	-0.0	10.0
Nitrate as N	Lin2		46878616		0.950	1.00	-5.1	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-318426/57 Calibration Date: 03/06/2014 01:05

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306140105-57.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.66	6.41	6.91
Nitrate as N	9.55	9.30	9.80

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-318427/57 Calibration Date: 03/06/2014 01:05

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306140105-57.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.66	6.41	6.91
Nitrate as N	9.55	9.30	9.80

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140105-57.d
Lims ID: CCV Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 06-Mar-2014 01:05:00 ALS Bottle#: 0 Worklist Smp#: 57
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-5 1G030514 Anion
Misc. Info.: 11097
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 10:57:36 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

First Level Reviewer: singhv Date: 07-Mar-2014 10:54:19

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.658	6.658	0.0	44991158	1.00	
	6 Nitrate as N	9.550	9.550	0.0	46880960	0.9495	
S	9 Nitrite as NO2					3.29	
S	10 Nitrate as NO3					4.20	

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140105-57.d
Lims ID: CCV Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 06-Mar-2014 01:05:00 ALS Bottle#: 0 Worklist Smp#: 57
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-5 1G030514 Anion
Misc. Info.: 11097
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 10:57:36 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

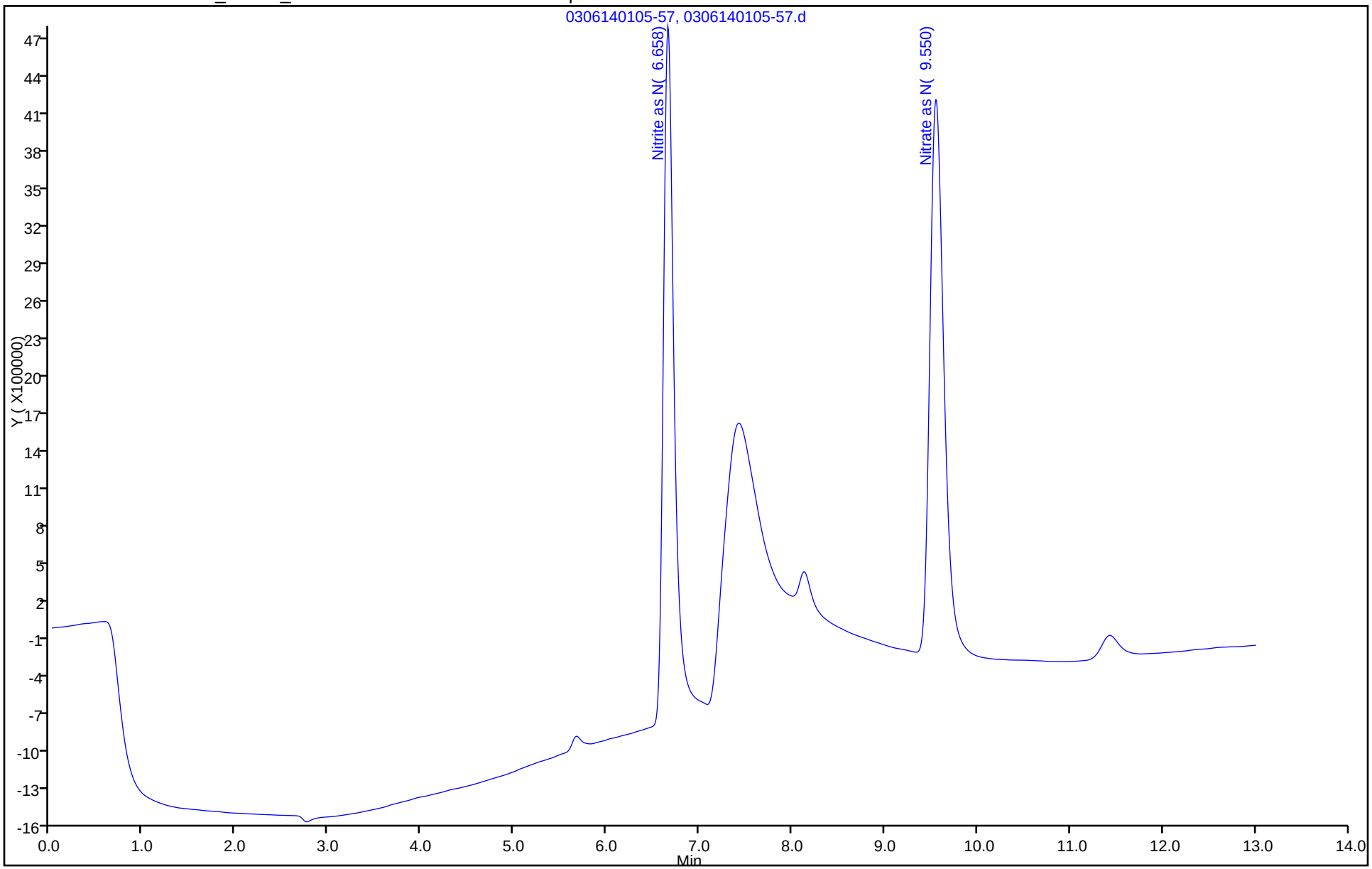
First Level Reviewer: singhv Date: 07-Mar-2014 10:54:19

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
5 Nitrite as N	6.658	6.658	0.0	44991158	1.00	
6 Nitrate as N	9.550	9.550	0.0	46880960	0.9495	
S 9 Nitrite as NO2					3.29	
S 10 Nitrate as NO3					4.20	

Report Date: 07-Mar-2014 10:57:36 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

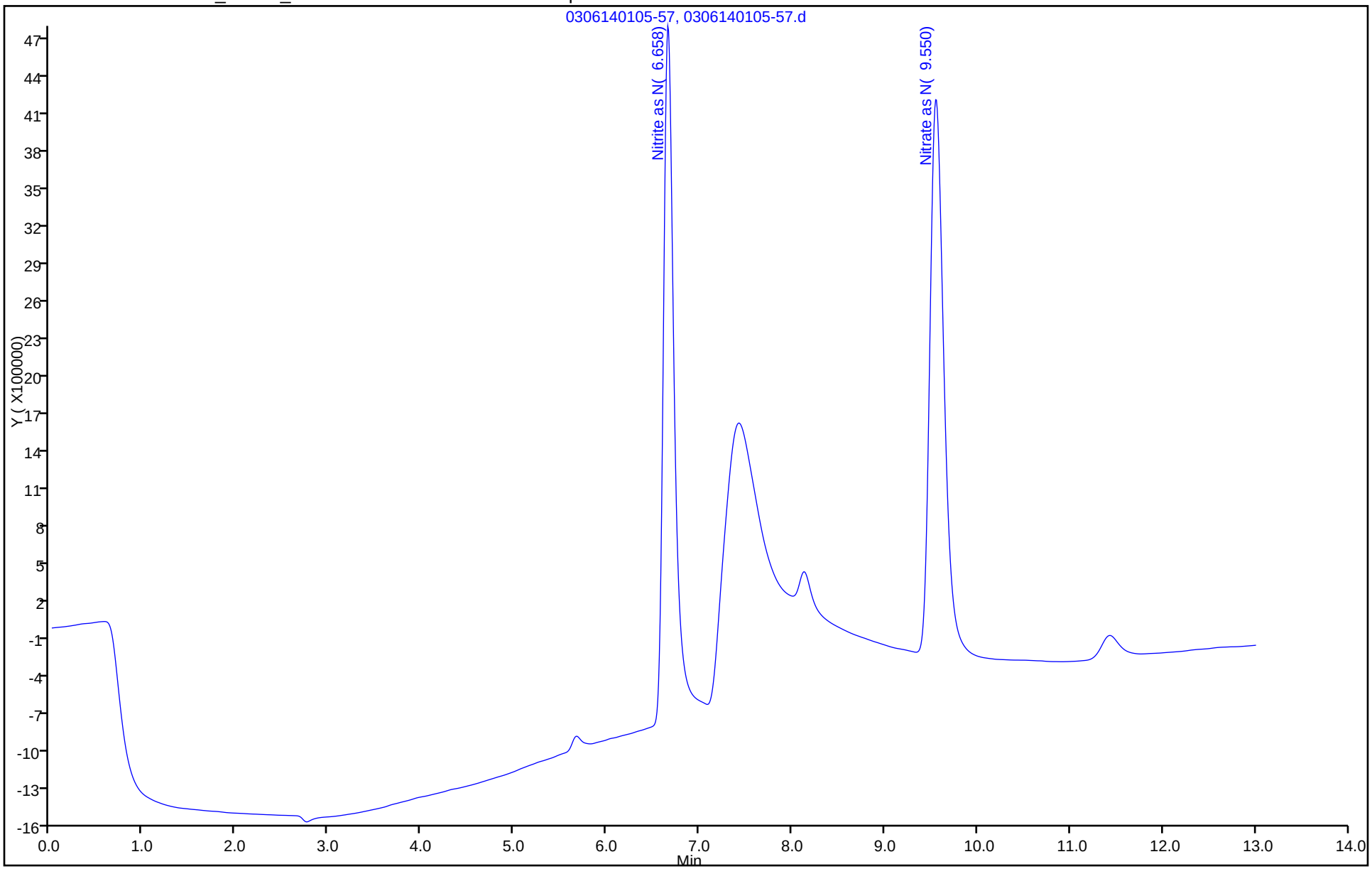
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140105-57.d				
Injection Date:	06-Mar-2014 01:05:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV	Lab Sample ID:		Worklist Smp#:	57
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



Report Date: 07-Mar-2014 10:57:36 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140105-57.d				
Injection Date:	06-Mar-2014 01:05:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV	Lab Sample ID:		Worklist Smp#:	57
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-318427/71 Calibration Date: 03/06/2014 04:41

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306140441-71.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		45022432		1.00	1.00	0.0	10.0
Nitrate as N	Lin2		47024311		0.952	1.00	-4.8	10.0

FORM VII 300.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-318427/71 Calibration Date: 03/06/2014 04:41

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306140441-71.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.67	6.42	6.92
Nitrate as N	9.56	9.31	9.81

TestAmerica Savannah
Target Compound Quantitation Report

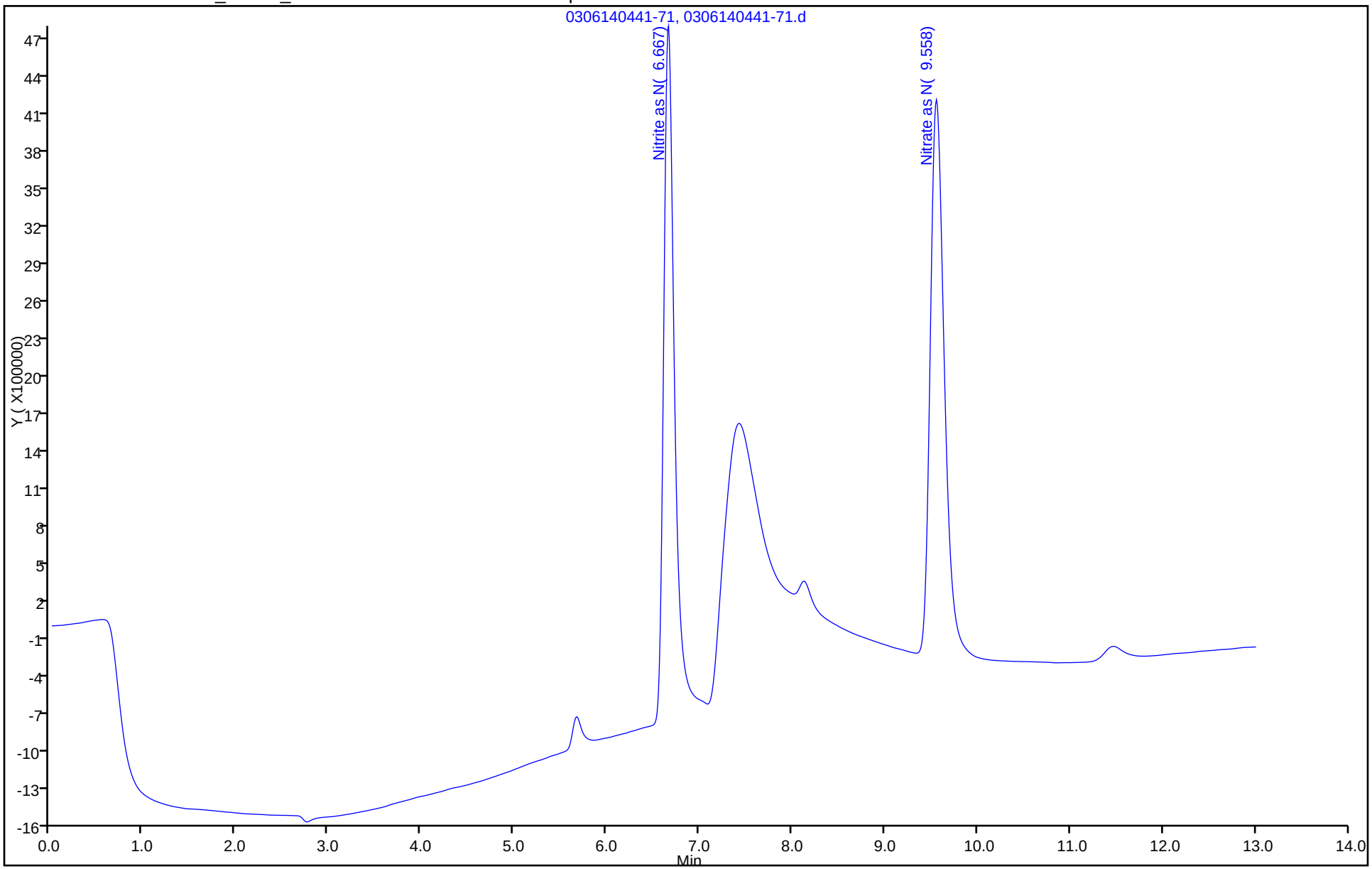
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140441-71.d				
Lims ID:	CCV	Lab Sample ID:			
Client ID:					
Sample Type:	CCV				
Inject. Date:	06-Mar-2014 04:41:00	ALS Bottle#:	0	Worklist Smp#:	71
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-5 1G030514 Anion				
Misc. Info.:	1938				
Operator ID:		Instrument ID:	CICG		
Sublist:	chrom-300.0_9056A_CICG*sub2				
Method:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 10:57:42	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.667	6.667	0.0	45029636	1.00	
	6 Nitrate as N	9.558	9.558	0.0	47026662	0.9524	
S	9 Nitrite as NO2					3.29	
S	10 Nitrate as NO3					4.22	

Report Date: 07-Mar-2014 10:57:42 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140441-71.d				
Injection Date:	06-Mar-2014 04:41:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV	Lab Sample ID:		Worklist Smp#:	71
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-318427/78 Calibration Date: 03/06/2014 06:28

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306140628-78.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		44700367		0.994	1.00	-0.7	10.0
Nitrate as N	Lin2		46746058		0.947	1.00	-5.3	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-318427/78 Calibration Date: 03/06/2014 06:28

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306140628-78.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.65	6.40	6.90
Nitrate as N	9.53	9.28	9.78

TestAmerica Savannah
Target Compound Quantitation Report

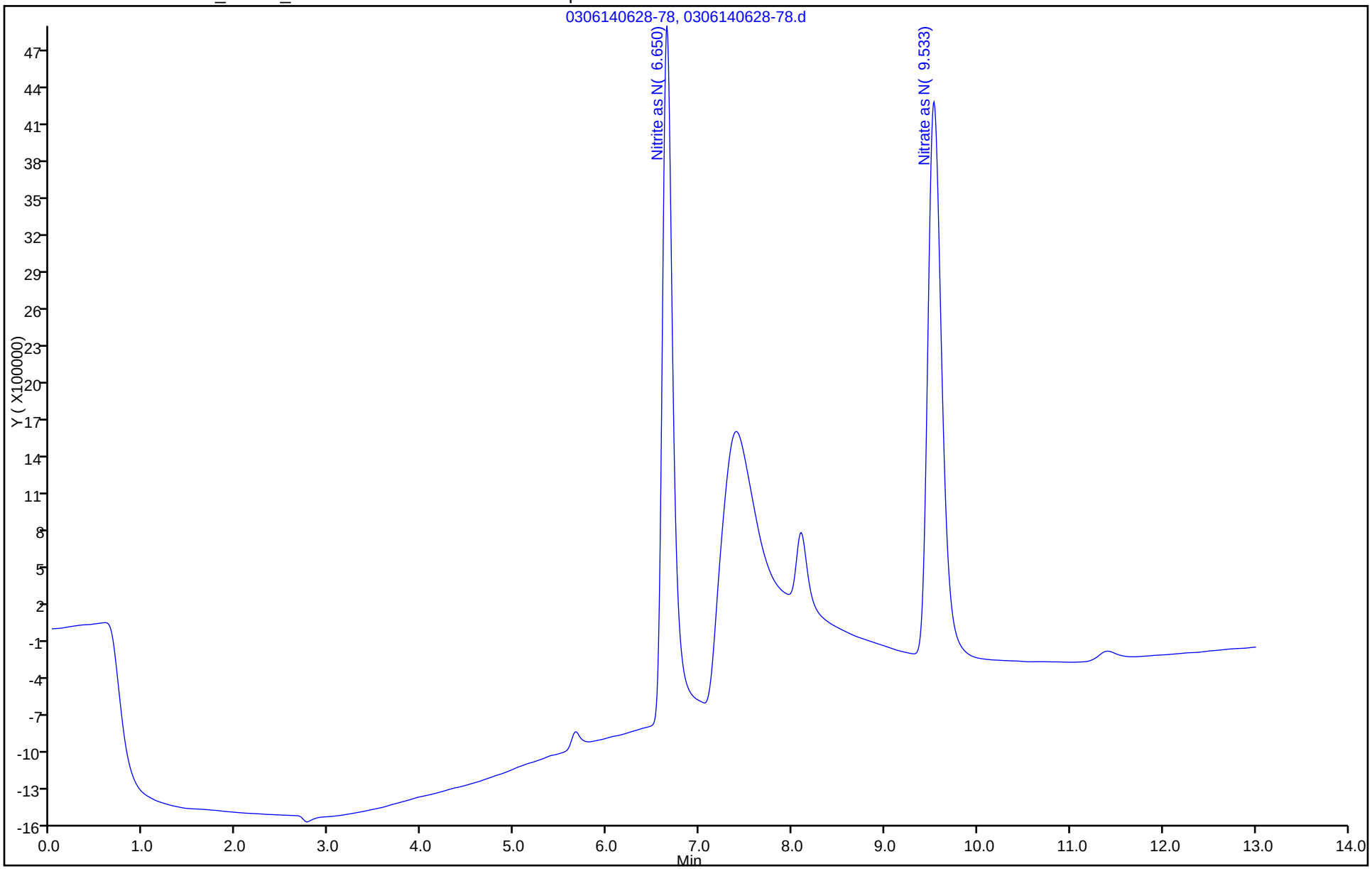
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140628-78.d				
Lims ID:	CCV	Lab Sample ID:			
Client ID:					
Sample Type:	CCV				
Inject. Date:	06-Mar-2014 06:28:00	ALS Bottle#:	0	Worklist Smp#:	78
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-5 1G030514 Anion				
Misc. Info.:	19558				
Operator ID:		Instrument ID:	CICG		
Sublist:	chrom-300.0_9056A_CICG*sub2				
Method:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 10:57:44	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.650	6.650	0.0	44707519	0.99	
	6 Nitrate as N	9.533	9.533	0.0	46748395	0.9469	
S	9 Nitrite as NO2					3.27	
S	10 Nitrate as NO3					4.19	

Report Date: 07-Mar-2014 10:57:44 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140628-78.d				
Injection Date:	06-Mar-2014 06:28:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV	Lab Sample ID:		Worklist Smp#:	78
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-318480/4 Calibration Date: 03/06/2014 09:50

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306140950-4.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		42681928		0.949	1.00	-5.1	10.0
Nitrate as N	Lin2		47630152		0.965	1.00	-3.6	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-318480/4 Calibration Date: 03/06/2014 09:50

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306140950-4.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.63	6.38	6.88
Nitrate as N	9.48	9.23	9.73

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140306-6940.b\0306140950-4.d
Lims ID: CCV Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 06-Mar-2014 09:50:00 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-5 1G030614 Anion
Misc. Info.: 4 3473229
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 13:07:40 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

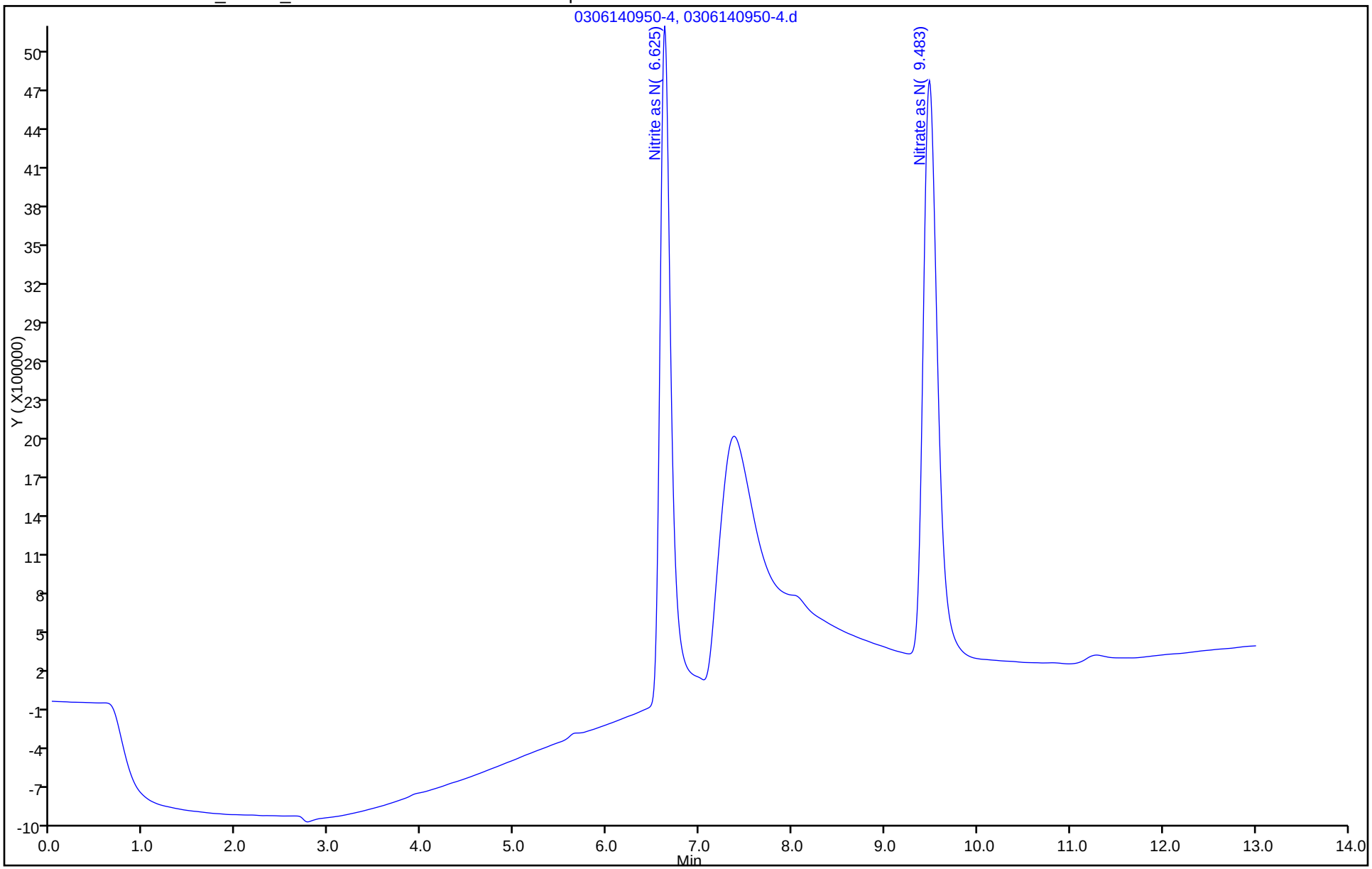
First Level Reviewer: singhv Date: 06-Mar-2014 10:24:44

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
5 Nitrite as N	6.625	6.625	0.0	42688757	0.9494	
6 Nitrate as N	9.483	9.483	0.0	47632534	0.9645	
S 9 Nitrite as NO2					3.12	
S 10 Nitrate as NO3					4.27	

Report Date: 07-Mar-2014 13:07:40 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306140950-4.d				
Injection Date:	06-Mar-2014 09:50:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-318480/18 Calibration Date: 03/06/2014 13:26

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306141326-18.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		45001210		1.00	1.00	0.0	10.0
Nitrate as N	Lin2		47863423		0.969	1.00	-3.1	10.0

FORM VII 300.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Lab Sample ID: CCV 680-318480/18 Calibration Date: 03/06/2014 13:26

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306141326-18.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.63	6.38	6.88
Nitrate as N	9.49	9.24	9.74

TestAmerica Savannah
Target Compound Quantitation Report

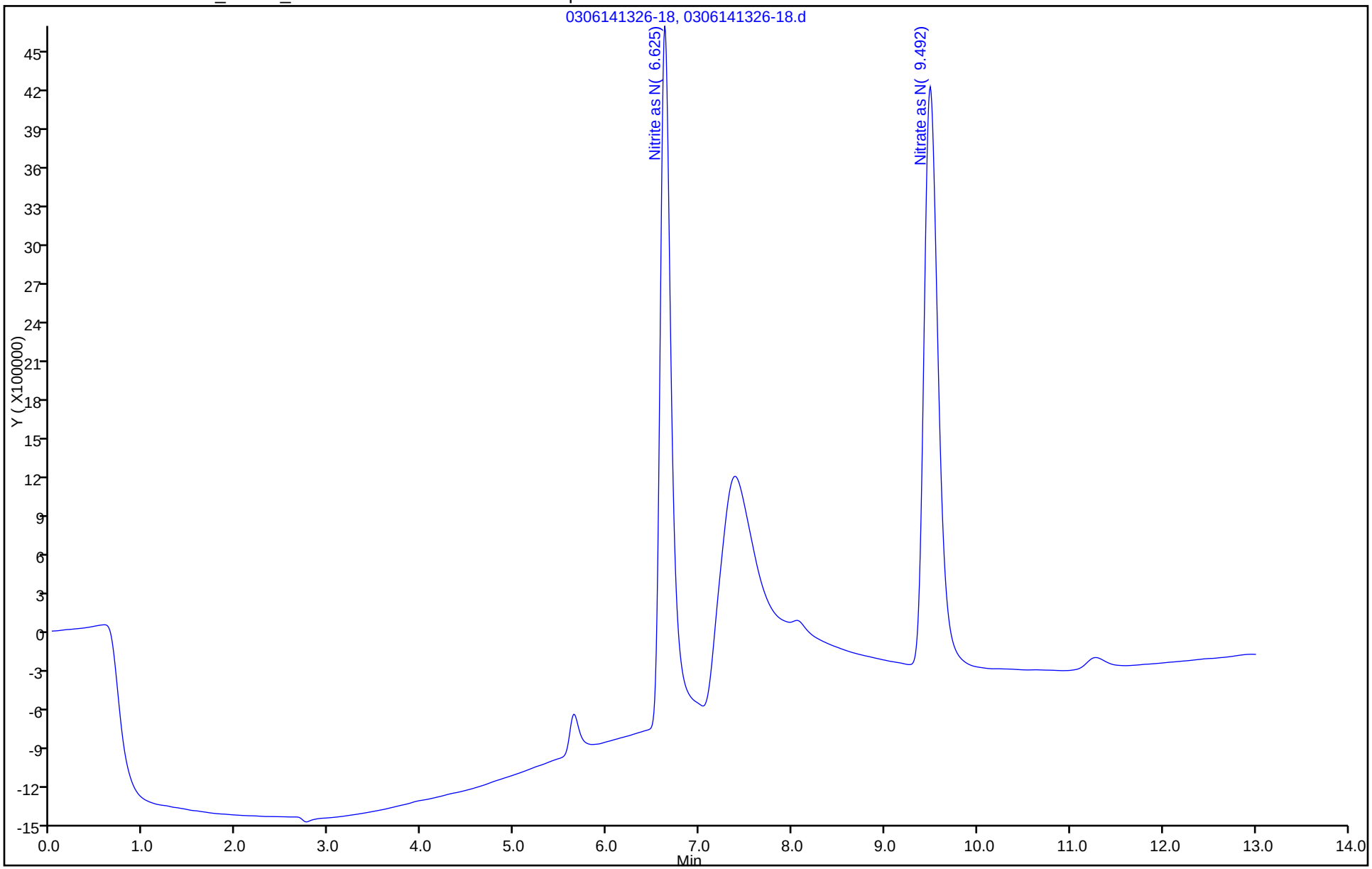
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141326-18.d				
Lims ID:	CCV	Lab Sample ID:			
Client ID:					
Sample Type:	CCV				
Inject. Date:	06-Mar-2014 13:26:00	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-5 1G030614 Anion				
Misc. Info.:	20786				
Operator ID:		Instrument ID:	CICG		
Sublist:	chrom-300.0_9056A_CICG*sub2				
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:45	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.625	6.625	0.0	45008410	1.00	
	6 Nitrate as N	9.492	9.492	0.0	47865816	0.9692	
S	9 Nitrite as NO2					3.29	
S	10 Nitrate as NO3					4.29	

Report Date: 07-Mar-2014 13:07:45 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141326-18.d				
Injection Date:	06-Mar-2014 13:26:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV	Lab Sample ID:		Worklist Smp#:	18
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: MB 680-318426/32
Matrix: Water
Lab File ID: 0305141840-32.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/05/2014 18:40
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318426
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	<0.11		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141840-32.d
Lims ID: CCB Lab Sample ID: CCB 680-318427/32-A
Client ID:
Sample Type: CCB
Inject. Date: 05-Mar-2014 18:40:00 ALS Bottle#: 0 Worklist Smp#: 32
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: CCB 1G030514 Anion
Misc. Info.: 27875
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 06-Mar-2014 11:01:49 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK012

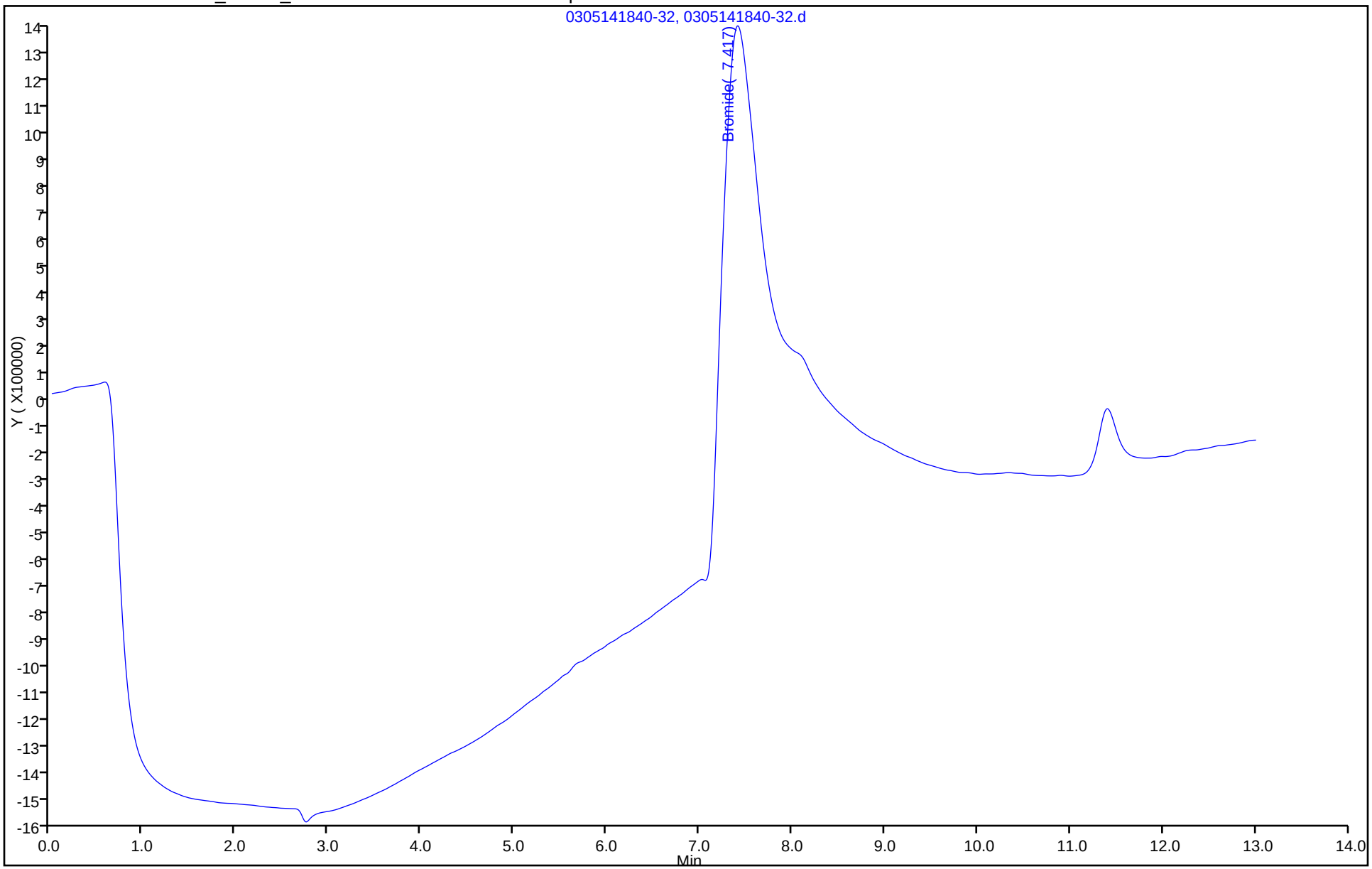
First Level Reviewer: singhv Date: 06-Mar-2014 10:49:11

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.417	7.367	0.050	88265925	NC	

Report Date: 06-Mar-2014 11:01:50 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141840-32.d				
Injection Date:	05-Mar-2014 18:40:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCB	Lab Sample ID:	CCB 680-318427/32-A	Worklist Smp#:	32
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: MB 680-318427/58
Matrix: Water
Lab File ID: 0306140120-58.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 01:20
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318427
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	<0.11		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

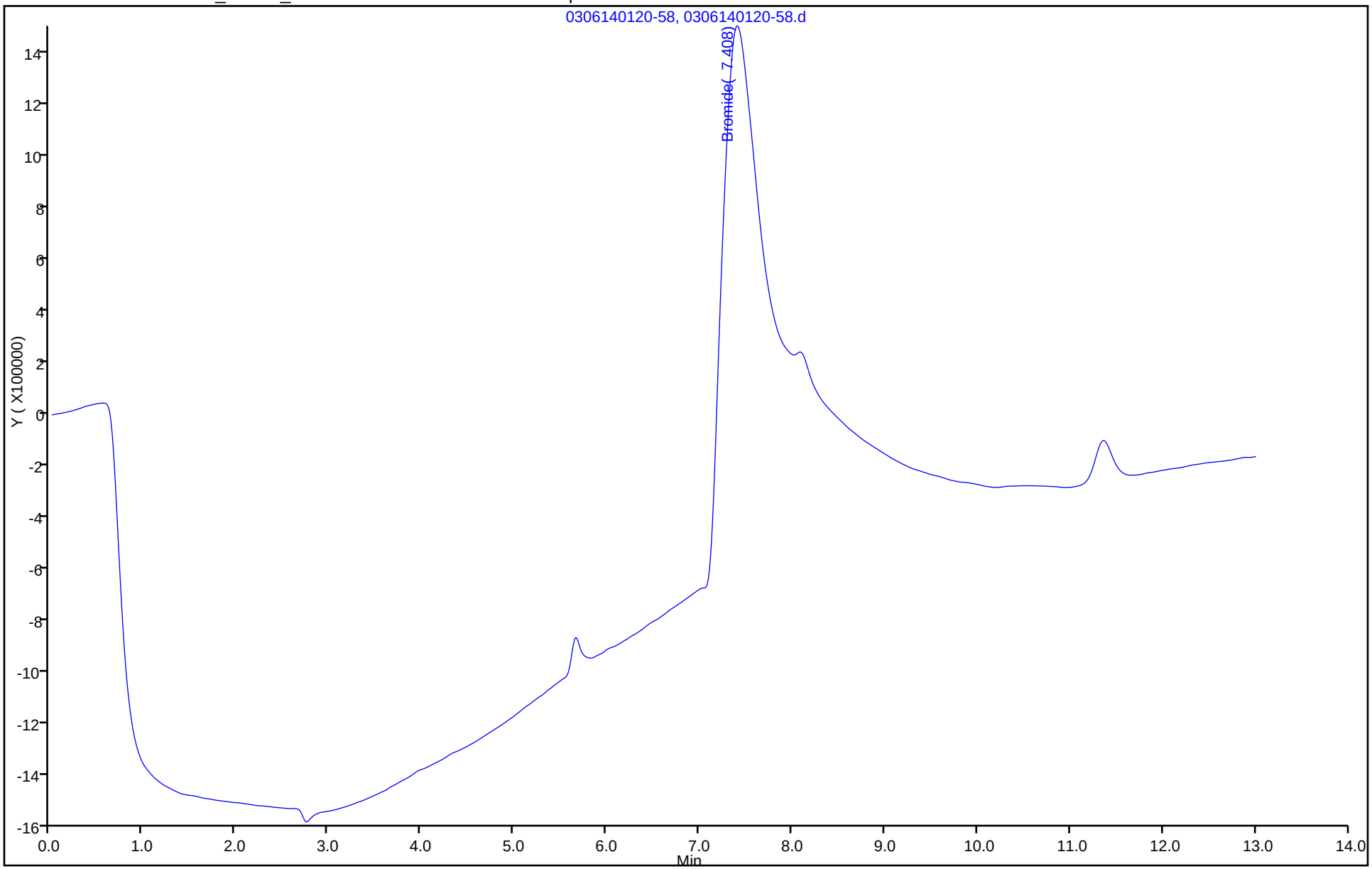
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140120-58.d				
Lims ID:	CCB	Lab Sample ID:	CCB 680-318427/58-A		
Client ID:					
Sample Type:	CCB				
Inject. Date:	06-Mar-2014 01:20:00	ALS Bottle#:	0	Worklist Smp#:	58
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G030514 Anion				
Misc. Info.:	1170				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 10:57:36	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.408	7.217	0.191	47849974	NC	

Report Date: 07-Mar-2014 10:57:37 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140120-58.d				
Injection Date:	06-Mar-2014 01:20:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCB	Lab Sample ID:	CCB 680-318427/58-A	Worklist Smp#:	58
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: MB 680-318480/5
Matrix: Water
Lab File ID: 0306141006-5.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 10:06
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318480
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	<0.11		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

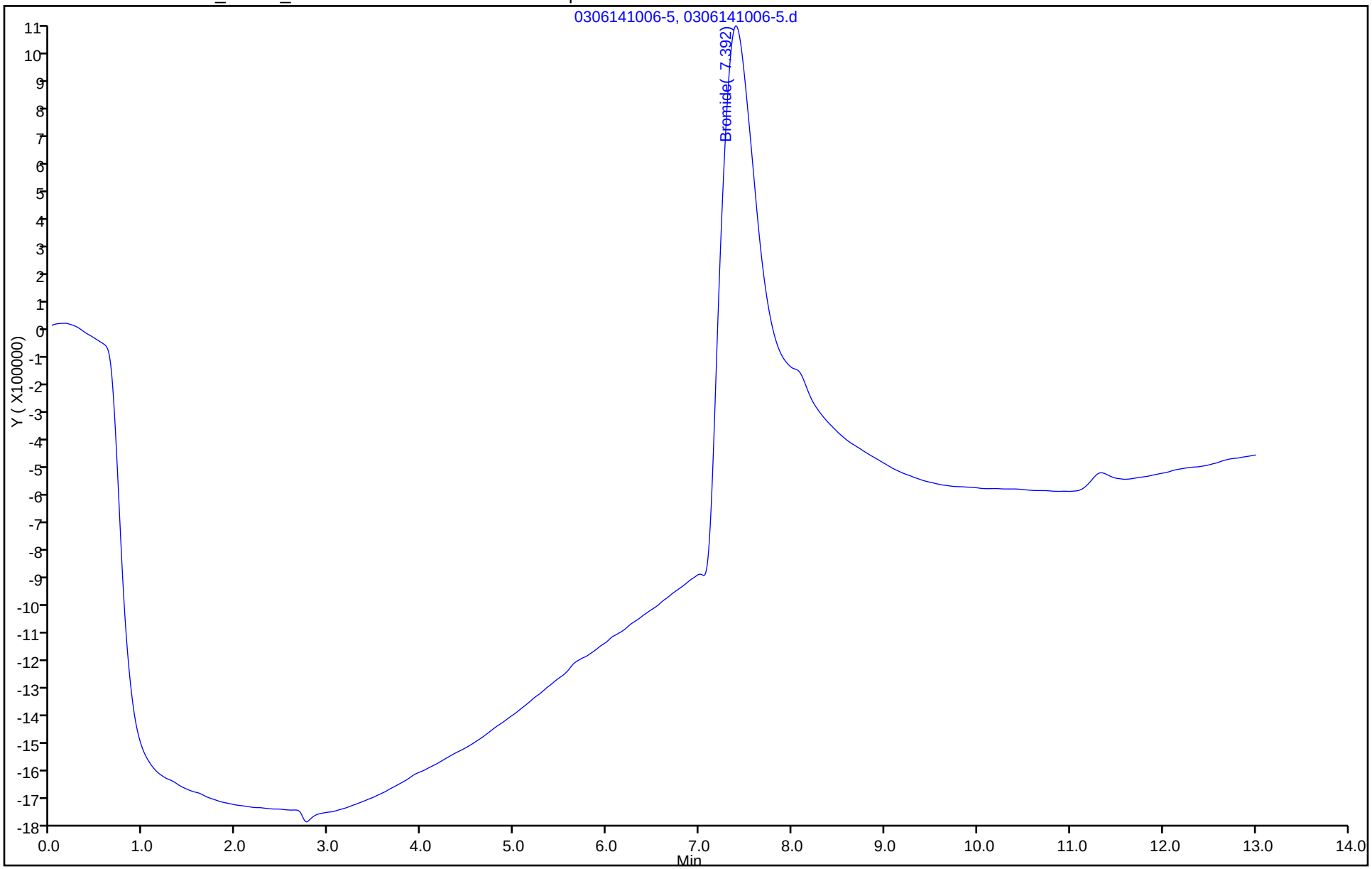
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141006-5.d				
Lims ID:	MB	Lab Sample ID:	MB 680-318581/5-A		
Client ID:					
Sample Type:	MB				
Inject. Date:	06-Mar-2014 10:06:00	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 1G030614 Anion				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:40	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.392	7.333	0.059	44652519	NC	

Report Date: 07-Mar-2014 13:07:40 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141006-5.d				
Injection Date:	06-Mar-2014 10:06:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	MB	Lab Sample ID:	MB 680-318581/5-A	Worklist Smp#:	5
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: CCB 680-318426/46
Matrix: Water
Lab File ID: 0305142215-46.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/05/2014 22:15
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318426
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	<0.11		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

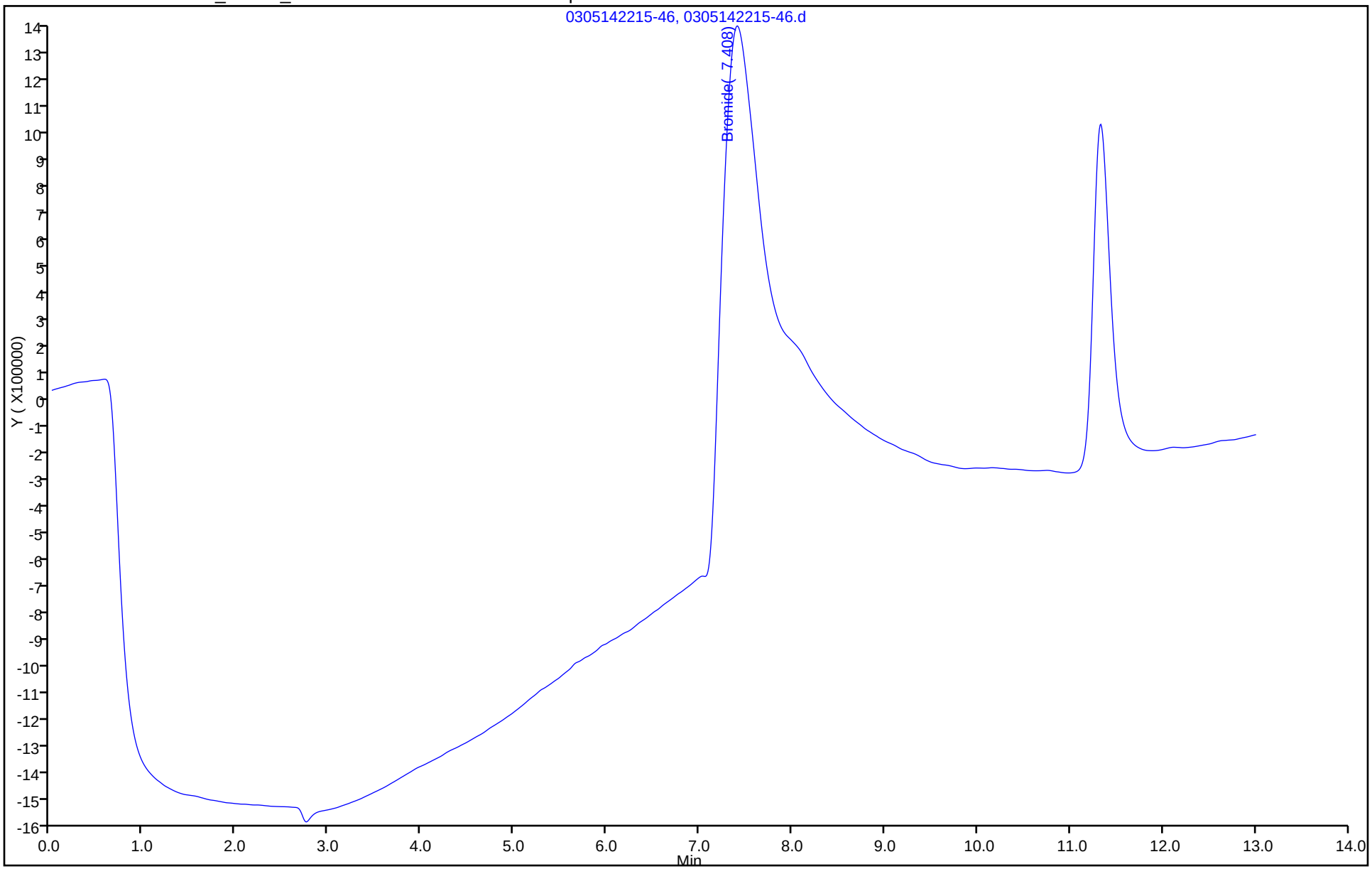
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305142215-46.d				
Lims ID:	CCB	Lab Sample ID:	CCB 680-318427/46-A		
Client ID:					
Sample Type:	CCB				
Inject. Date:	05-Mar-2014 22:15:00	ALS Bottle#:	0	Worklist Smp#:	46
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G030514 Anion				
Misc. Info.:	32532				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 10:57:32	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.408	7.217	0.191	82576000	NC	

Report Date: 07-Mar-2014 10:57:32 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305142215-46.d				
Injection Date:	05-Mar-2014 22:15:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCB	Lab Sample ID:	CCB 680-318427/46-A	Worklist Smp#:	46
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: CCB 680-318426/58
Matrix: Water
Lab File ID: 0306140120-58.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 01:20
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318426
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	<0.11		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

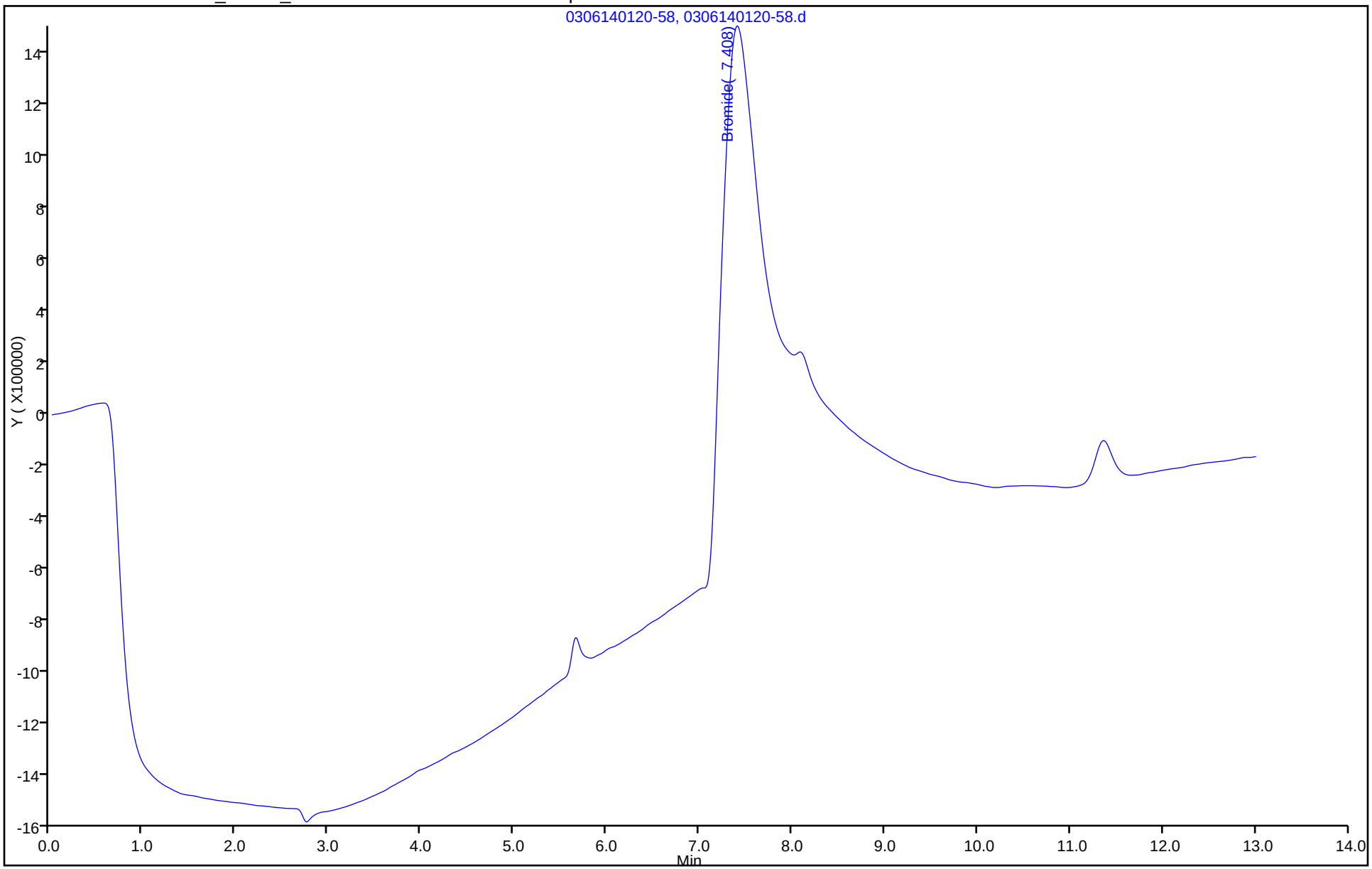
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140120-58.d				
Lims ID:	CCB	Lab Sample ID:	CCB 680-318427/58-A		
Client ID:					
Sample Type:	CCB				
Inject. Date:	06-Mar-2014 01:20:00	ALS Bottle#:	0	Worklist Smp#:	58
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G030514 Anion				
Misc. Info.:	1170				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 10:57:36	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.408	7.217	0.191	47849974	NC	

Report Date: 07-Mar-2014 10:57:37 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140120-58.d				
Injection Date:	06-Mar-2014 01:20:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCB	Lab Sample ID:	CCB 680-318427/58-A	Worklist Smp#:	58
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: CCB 680-318427/72
Matrix: Water
Lab File ID: 0306140456-72.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 04:56
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318427
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	<0.11		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

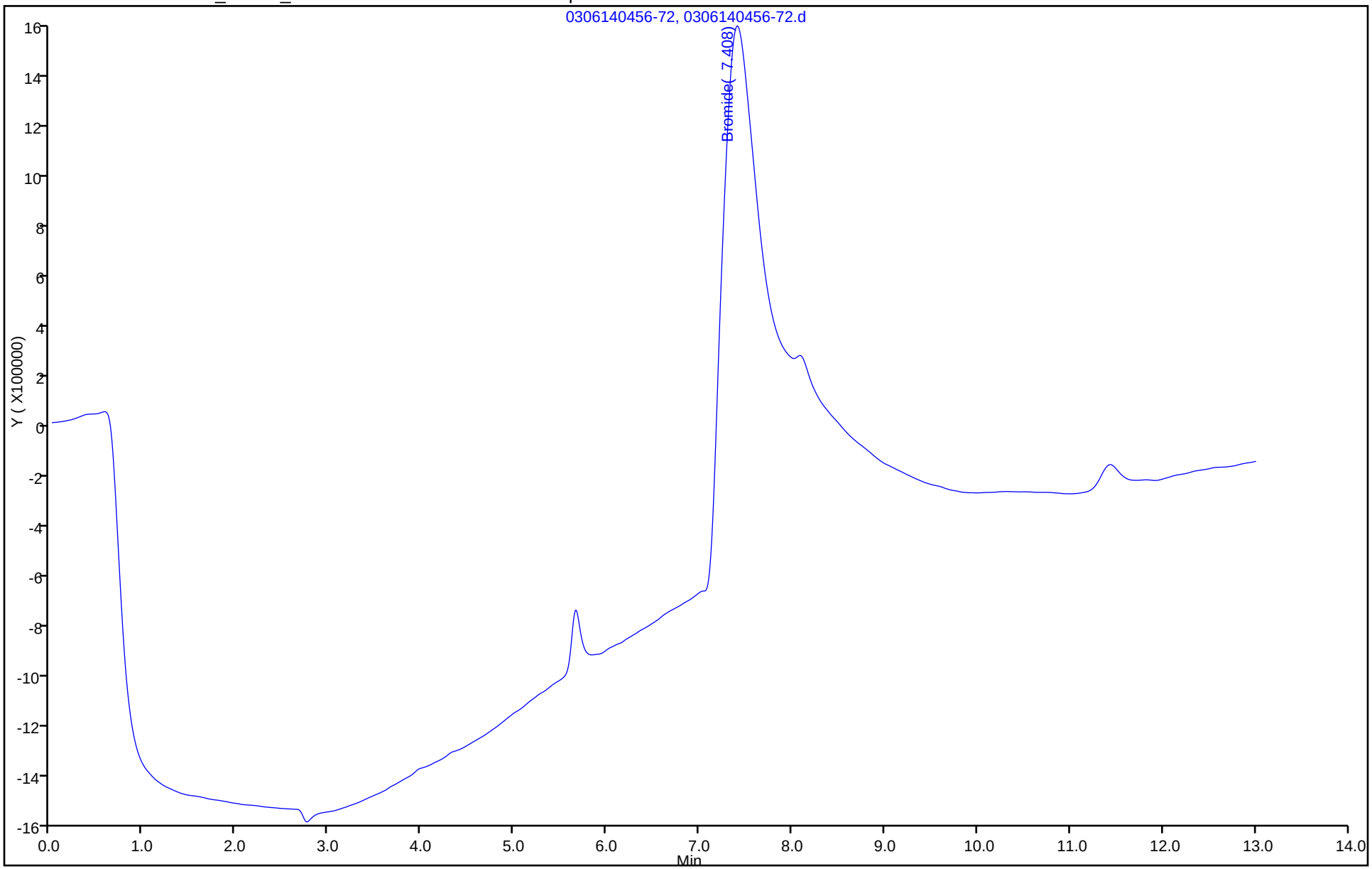
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140456-72.d				
Lims ID:	CCB	Lab Sample ID:	CCB 680-318427/72-A		
Client ID:					
Sample Type:	CCB				
Inject. Date:	06-Mar-2014 04:56:00	ALS Bottle#:	0	Worklist Smp#:	72
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G030514 Anion				
Misc. Info.:	19110				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 10:57:42	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.408	7.217	0.191	47750563	NC	

Report Date: 07-Mar-2014 10:57:42 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140456-72.d				
Injection Date:	06-Mar-2014 04:56:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCB	Lab Sample ID:	CCB 680-318427/72-A	Worklist Smp#:	72
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: CCB 680-318427/79
Matrix: Water
Lab File ID: 0306140644-79.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 06:44
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318427
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	<0.11		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

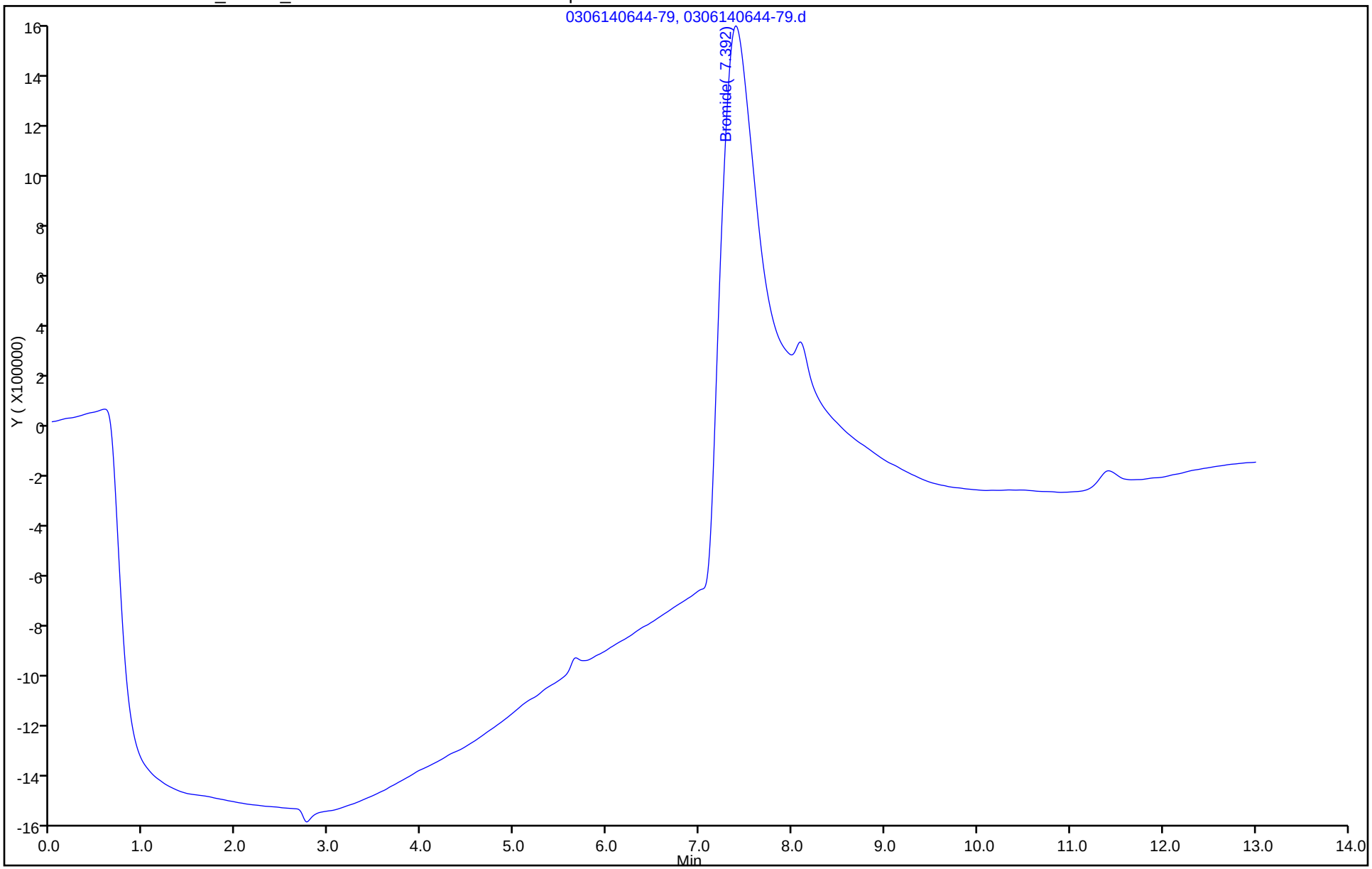
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140644-79.d				
Lims ID:	CCB	Lab Sample ID:	CCB 680-318427/79-A		
Client ID:					
Sample Type:	CCB				
Inject. Date:	06-Mar-2014 06:44:00	ALS Bottle#:	0	Worklist Smp#:	79
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G030514 Anion				
Misc. Info.:	31716				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 10:57:44	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.392	7.217	0.175	47628133	NC	

Report Date: 07-Mar-2014 10:57:45 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140644-79.d				
Injection Date:	06-Mar-2014 06:44:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCB	Lab Sample ID:	CCB 680-318427/79-A	Worklist Smp#:	79
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: CCB 680-318480/19
Matrix: Water
Lab File ID: 0306141341-19.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 13:41
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318480
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	<0.11		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

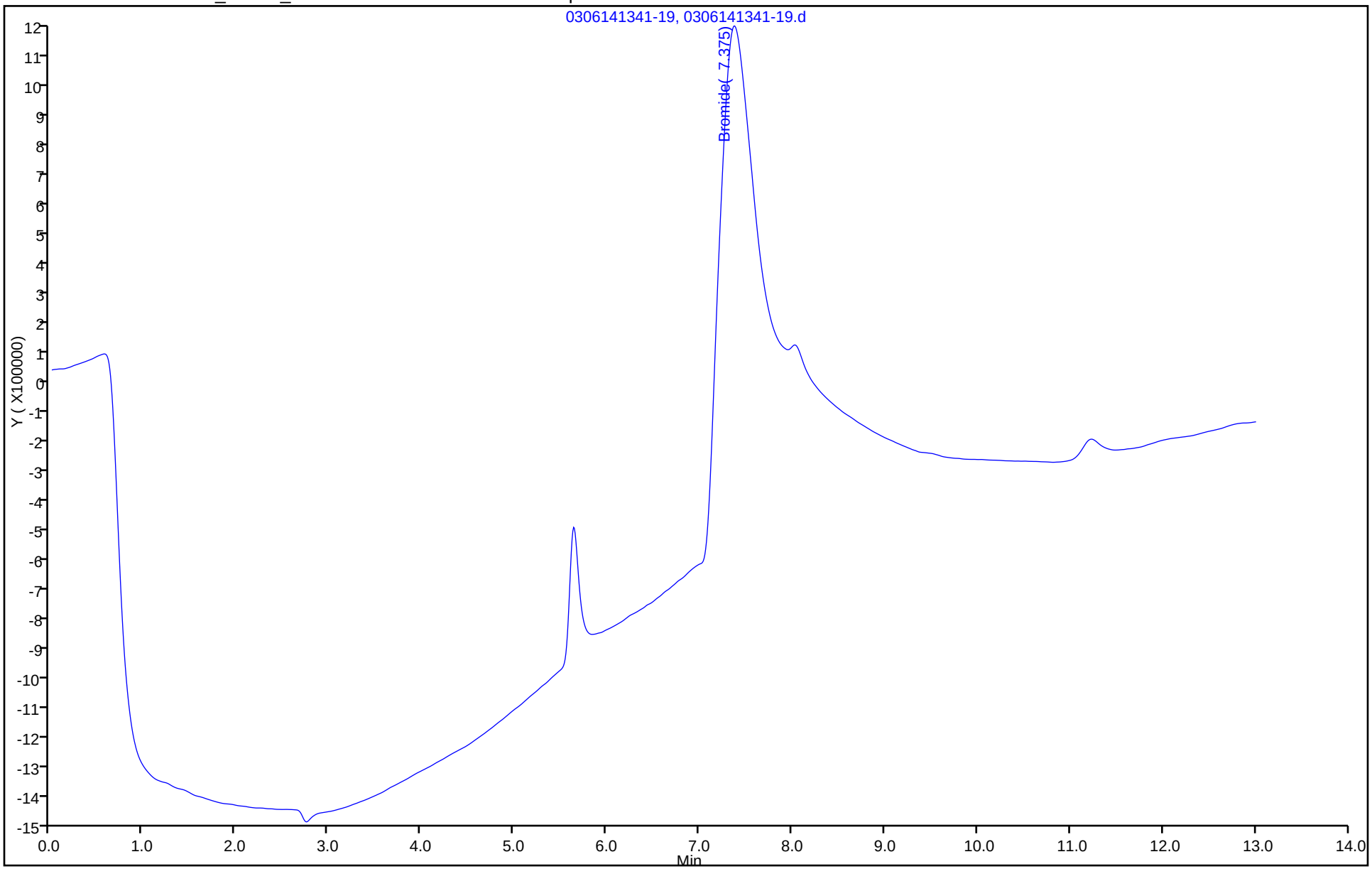
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141341-19.d				
Lims ID:	CCB	Lab Sample ID:	CCB 680-318581/19-A		
Client ID:					
Sample Type:	CCB				
Inject. Date:	06-Mar-2014 13:41:00	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G030614 Anion				
Misc. Info.:	28191				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:45	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.375	7.333	0.042	37540532	NC	

Report Date: 07-Mar-2014 13:07:45 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141341-19.d				
Injection Date:	06-Mar-2014 13:41:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCB	Lab Sample ID:	CCB 680-318581/19-A	Worklist Smp#:	19
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: ICB 680-317856/1009
Matrix: Water
Lab File ID: 0228141657-29-ICB.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 02/28/2014 16:57
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 317856
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	<0.11		0.22	0.11

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141657-29-ICB.d
Lims ID: ICB Lab Sample ID: MB 680-317856/9-A
Client ID:
Sample Type: ICB
Inject. Date: 28-Feb-2014 16:57:00 ALS Bottle#: 0 Worklist Smp#: 1009
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: MB 1G022814 Anion
Misc. Info.: 20587
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140228-6812.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 03-Mar-2014 08:44:36 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

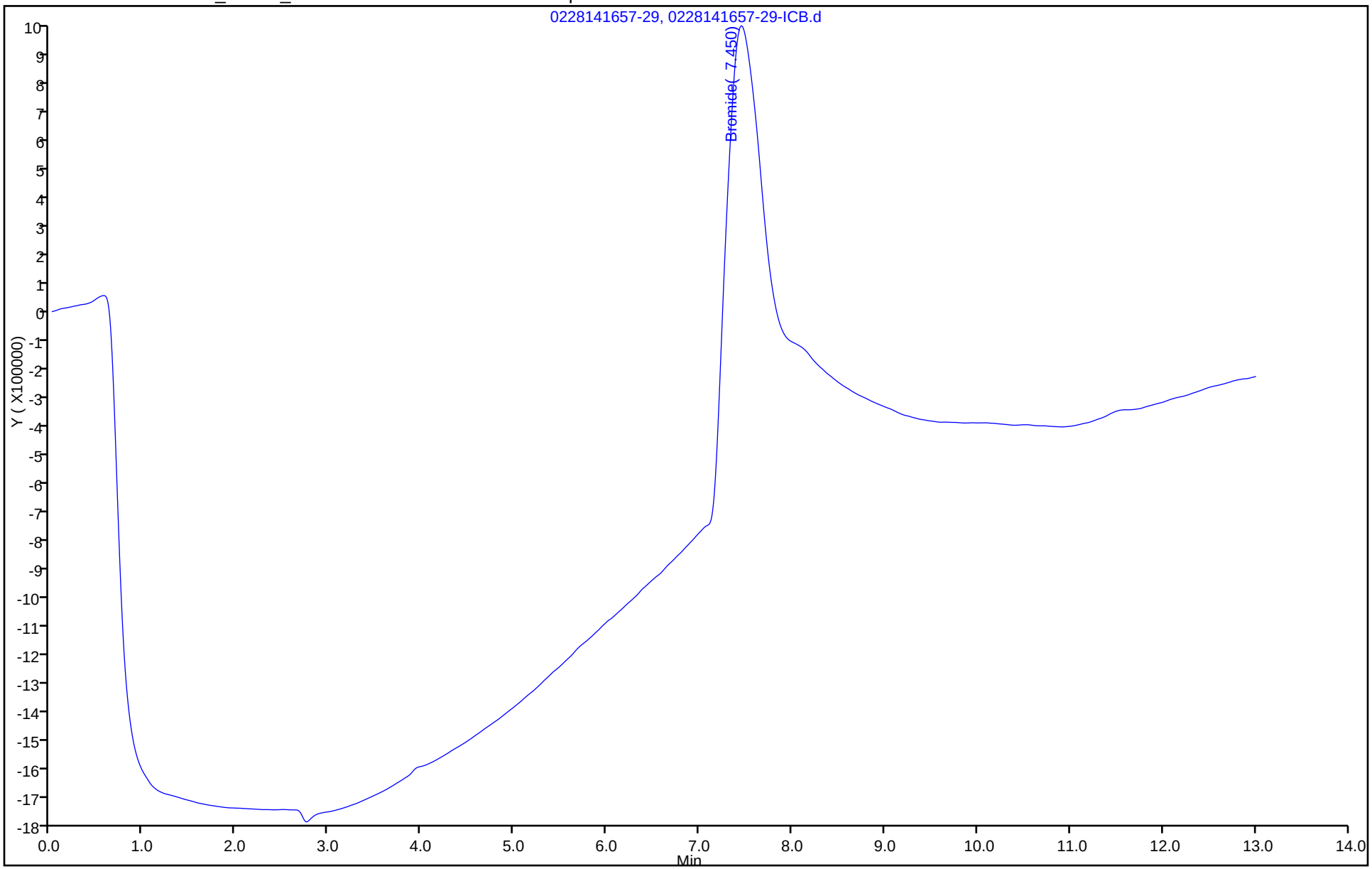
Column 1 : Det: 0423131702-17
Process Host: XAWRK011

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.450	7.450	0.0	60468671	NC	

Report Date: 03-Mar-2014 08:44:37 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Laboratories

Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141657-29-ICB.d				
Injection Date:	28-Feb-2014 16:57:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	ICB	Lab Sample ID:	MB 680-317856/9-A	Worklist Smp#:	1009
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: LCS 680-318426/33
Matrix: Water
Lab File ID: 0305141855-33.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/05/2014 18:55
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318426
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.26		0.17	0.082
STL00672	Nitrate as NO3	4.25		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141855-33.d
Lims ID: LCS Lab Sample ID: LCS 680-318427/33-A
Client ID:
Sample Type: LCS
Inject. Date: 05-Mar-2014 18:55:00 ALS Bottle#: 0 Worklist Smp#: 33
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCS 1G030514 Anion
Misc. Info.: 6296
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 10:54:51 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

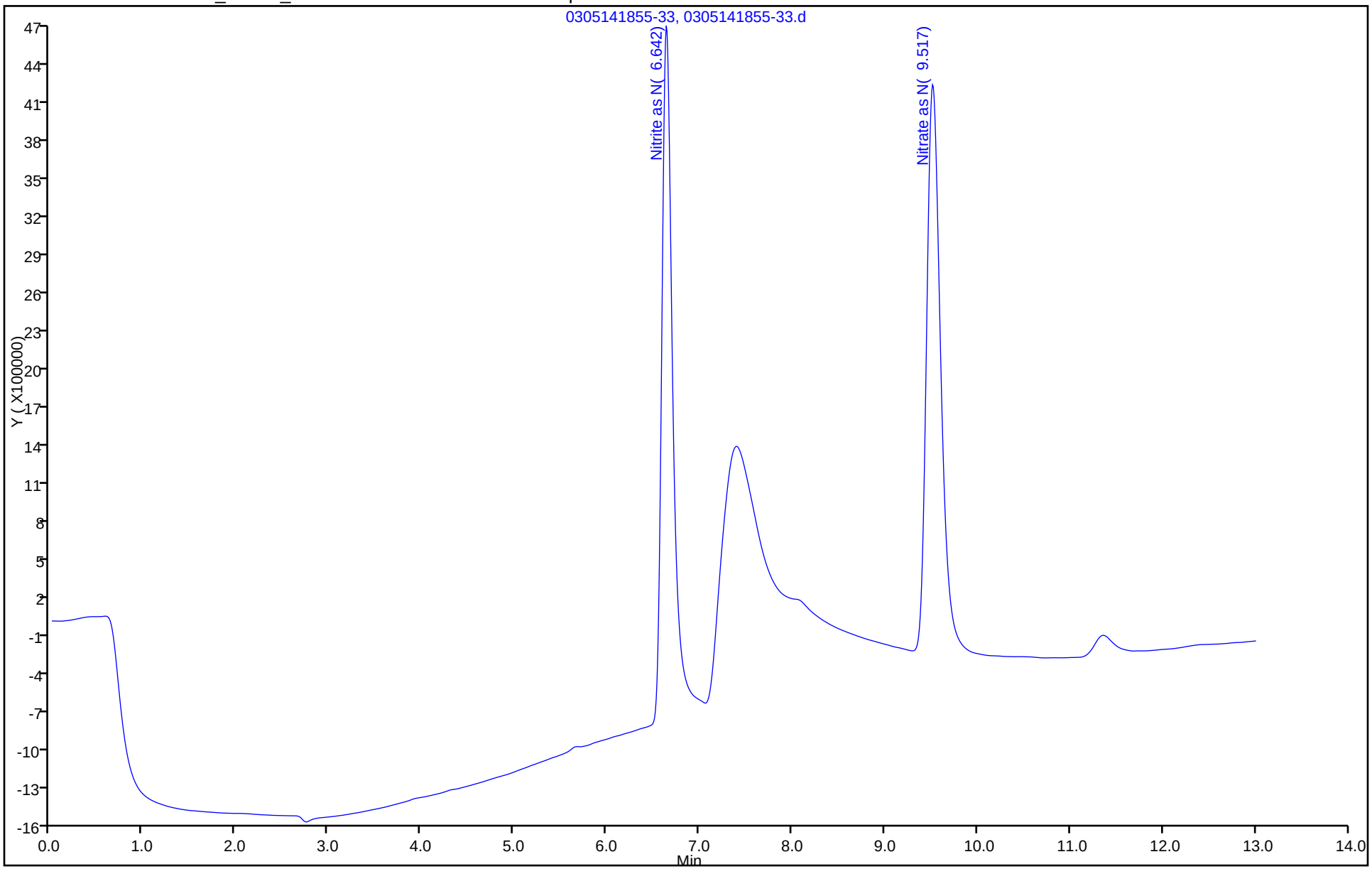
First Level Reviewer: singhv Date: 06-Mar-2014 11:01:37

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.642	6.658	-0.016	44560080	0.99	
	6 Nitrate as N	9.517	9.550	-0.033	47400593	0.9599	
S	9 Nitrite as NO2					3.26	
S	10 Nitrate as NO3					4.25	

Report Date: 07-Mar-2014 10:57:28 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141855-33.d				
Injection Date:	05-Mar-2014 18:55:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	LCS	Lab Sample ID:	LCS 680-318427/33-A	Worklist Smp#:	33
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: LCS 680-318427/59
Matrix: Water
Lab File ID: 0306140136-59.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 01:36
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318427
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.23		0.17	0.082
STL00672	Nitrate as NO3	4.21		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

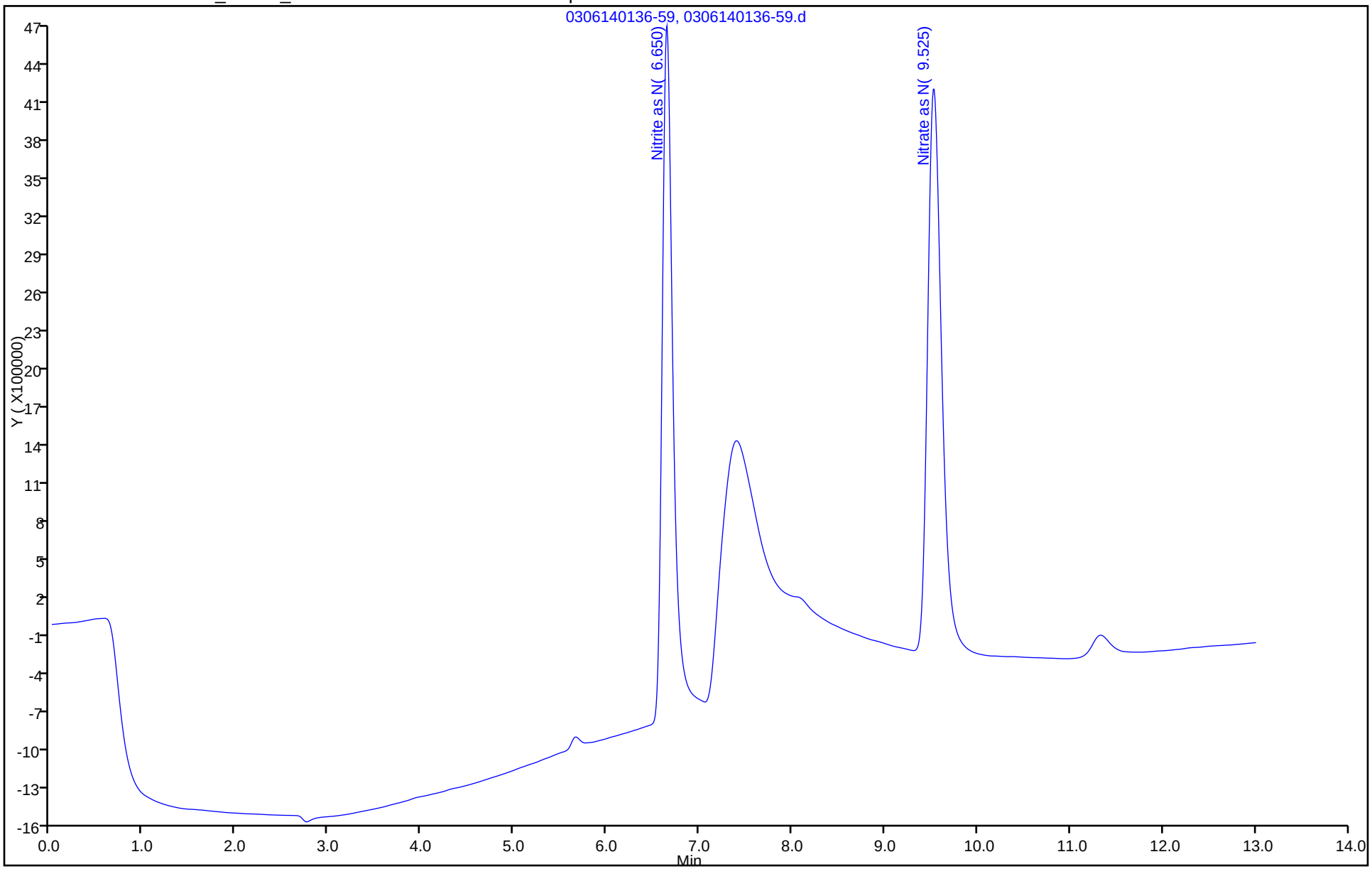
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140136-59.d				
Lims ID:	LCS	Lab Sample ID:	LCS 680-318427/59-A		
Client ID:					
Sample Type:	LCS				
Inject. Date:	06-Mar-2014 01:36:00	ALS Bottle#:	0	Worklist Smp#:	59
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 1G030514 Anion				
Misc. Info.:	25946				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 10:57:36	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.650	6.658	-0.008	44133146	0.9810	
	6 Nitrate as N	9.525	9.550	-0.025	46960487	0.9511	
S	9 Nitrite as NO2					3.23	
S	10 Nitrate as NO3					4.21	

Report Date: 07-Mar-2014 10:57:37 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140136-59.d				
Injection Date:	06-Mar-2014 01:36:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	LCS	Lab Sample ID:	LCS 680-318427/59-A	Worklist Smp#:	59
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: LCS 680-318480/6
Matrix: Water
Lab File ID: 0306141021-6.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 10:21
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318480
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.26		0.17	0.082
STL00672	Nitrate as NO3	4.30		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141021-6.d
Lims ID: LCS Lab Sample ID: LCS 680-318581/6-A
Client ID:
Sample Type: LCS
Inject. Date: 06-Mar-2014 10:21:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCS 1G030614 Anion
Misc. Info.: 6 3473235
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 13:07:40 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

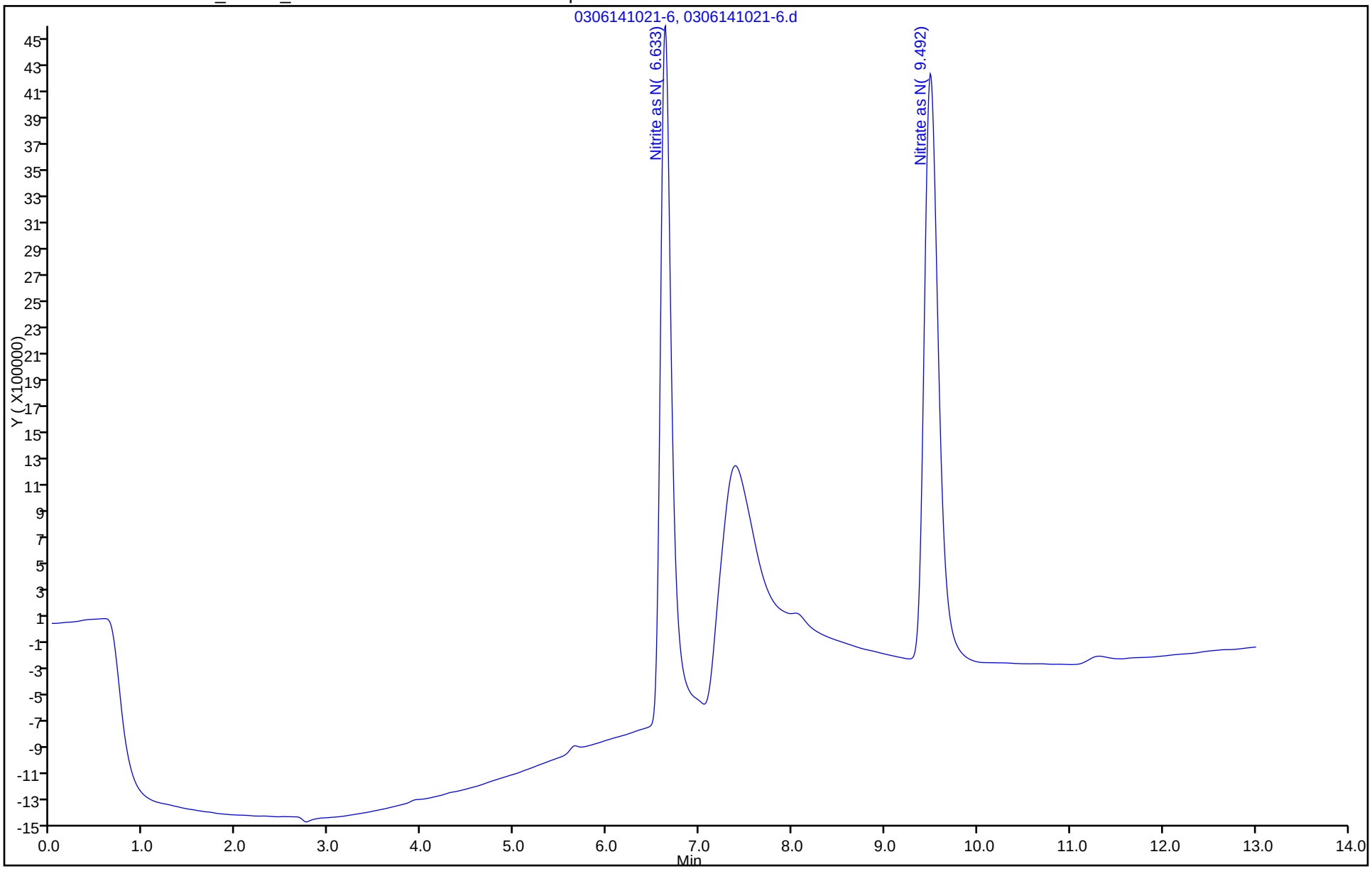
First Level Reviewer: singhv Date: 07-Mar-2014 12:59:15

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.633	6.625	0.008	44606542	0.99	
	6 Nitrate as N	9.492	9.483	0.009	48007907	0.9720	
S	9 Nitrite as NO2					3.26	
S	10 Nitrate as NO3					4.30	

Report Date: 07-Mar-2014 13:07:41 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141021-6.d				
Injection Date:	06-Mar-2014 10:21:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	LCS	Lab Sample ID:	LCS 680-318581/6-A	Worklist Smp#:	6
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: LCSD 680-318426/34
Matrix: Water
Lab File ID: 0305141911-34.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/05/2014 19:11
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318426
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.26		0.17	0.082
STL00672	Nitrate as NO3	4.22		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

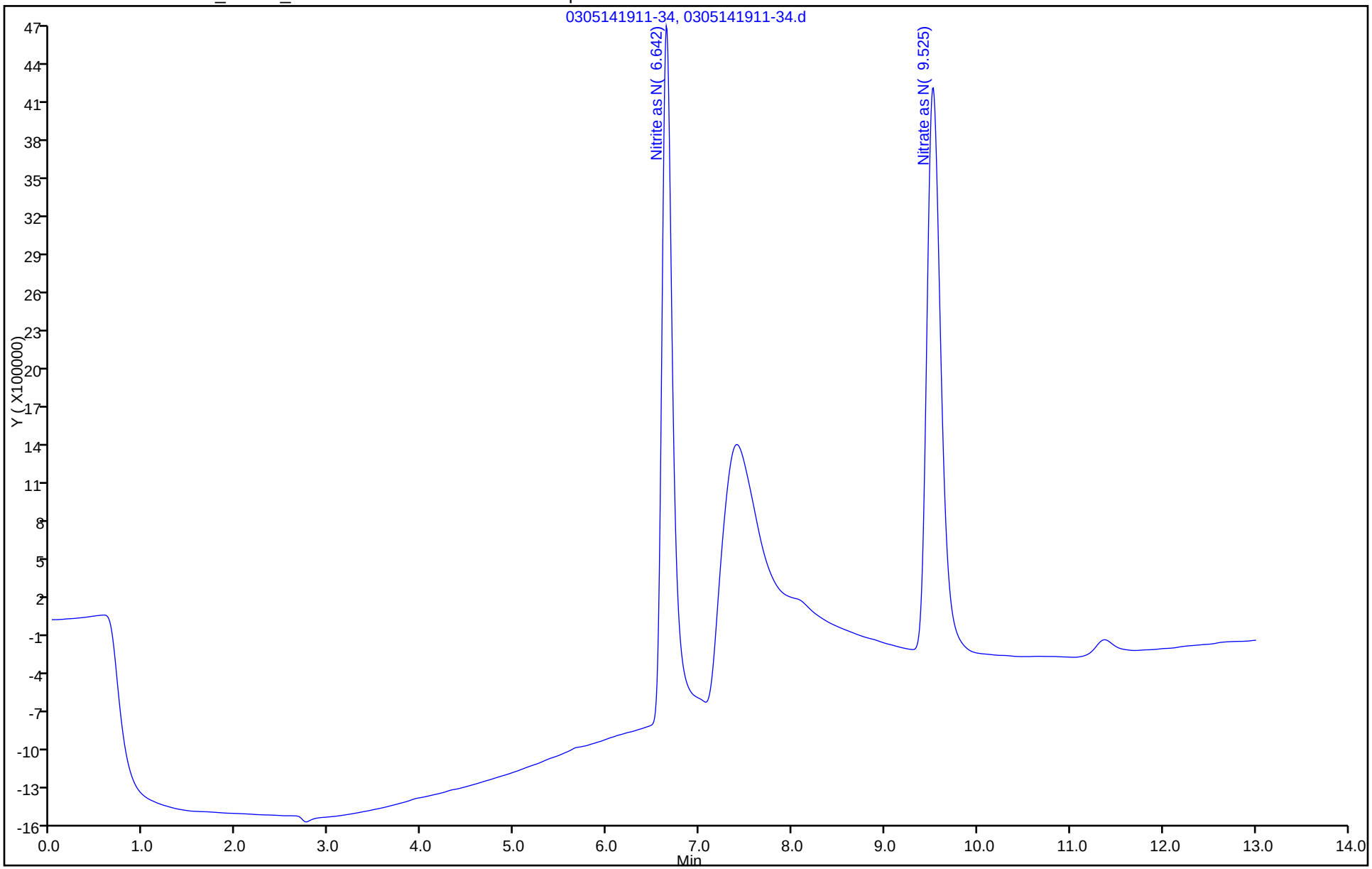
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141911-34.d				
Lims ID:	LCSD	Lab Sample ID:	LCSD 680-318427/34-A		
Client ID:					
Sample Type:	LCSD				
Inject. Date:	05-Mar-2014 19:11:00	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 1G030514 Anion				
Misc. Info.:	6134				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 10:54:51	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.642	6.658	-0.016	44544263	0.99	
	6 Nitrate as N	9.525	9.550	-0.025	47083242	0.9536	
S	9 Nitrite as NO2					3.26	
S	10 Nitrate as NO3					4.22	

Report Date: 07-Mar-2014 10:57:28 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141911-34.d				
Injection Date:	05-Mar-2014 19:11:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	LCSD	Lab Sample ID:	LCSD 680-318427/34-A	Worklist Smp#:	34
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: LCSD 680-318427/60
Matrix: Water
Lab File ID: 0306140151-60.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 01:51
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318427
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.24		0.17	0.082
STL00672	Nitrate as NO3	4.20		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

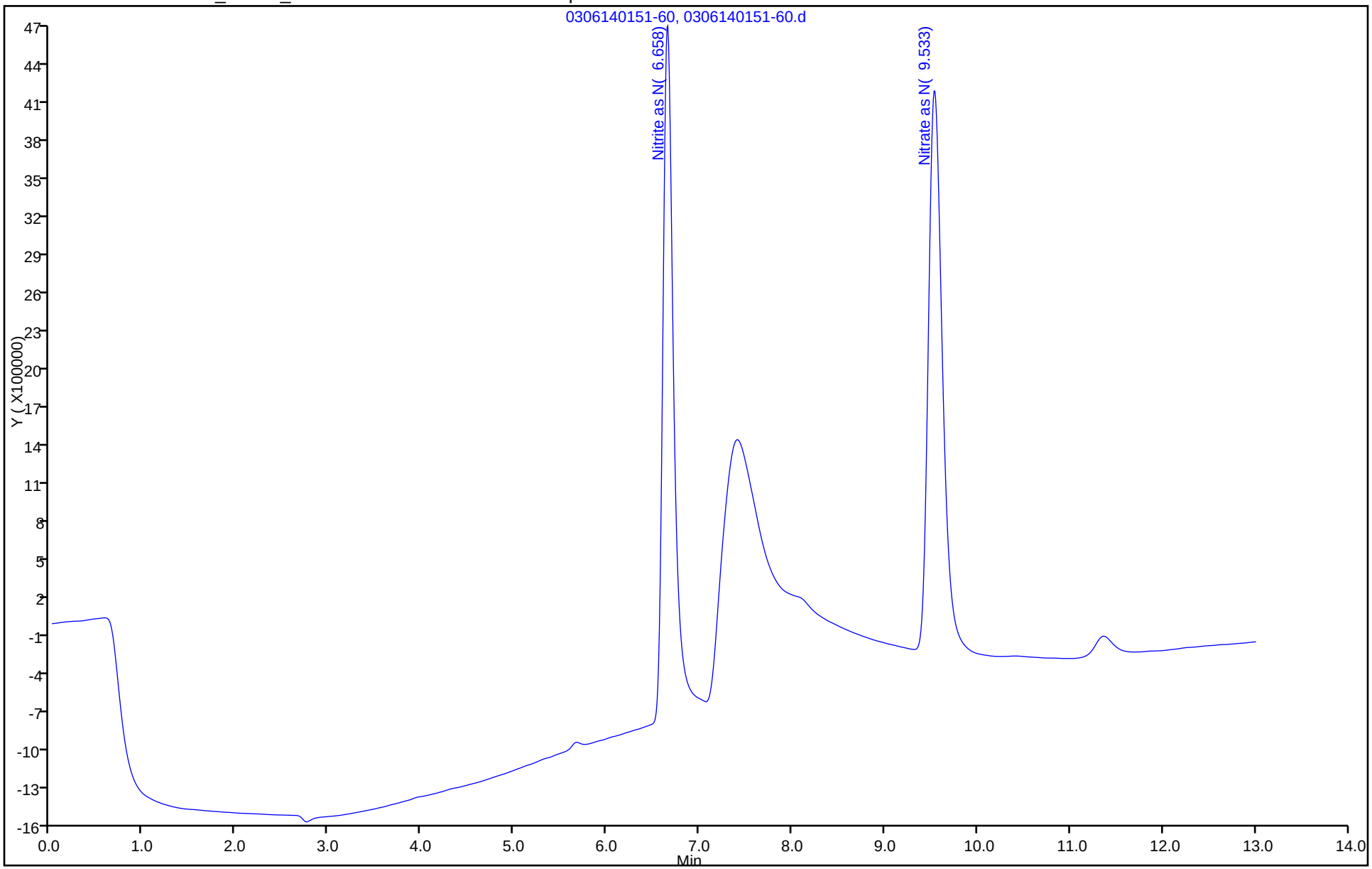
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140151-60.d				
Lims ID:	LCSD	Lab Sample ID:	LCSD 680-318427/60-A		
Client ID:					
Sample Type:	LCSD				
Inject. Date:	06-Mar-2014 01:51:00	ALS Bottle#:	0	Worklist Smp#:	60
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 1G030514 Anion				
Misc. Info.:	18520				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 10:57:36	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.658	6.658	0.0	44289358	0.9844	
	6 Nitrate as N	9.533	9.550	-0.017	46821027	0.9483	
S	9 Nitrite as NO2					3.24	
S	10 Nitrate as NO3					4.20	

Report Date: 07-Mar-2014 10:57:38 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140151-60.d				
Injection Date:	06-Mar-2014 01:51:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	LCSD	Lab Sample ID:	LCSD 680-318427/60-A	Worklist Smp#:	60
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG No.: 68099116-1
Client Sample ID:
Lab Sample ID: LCSD 680-318480/7
Matrix: Water
Lab File ID: 0306141036-7.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 10:36
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318480
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.28		0.17	0.082
STL00672	Nitrate as NO3	4.32		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

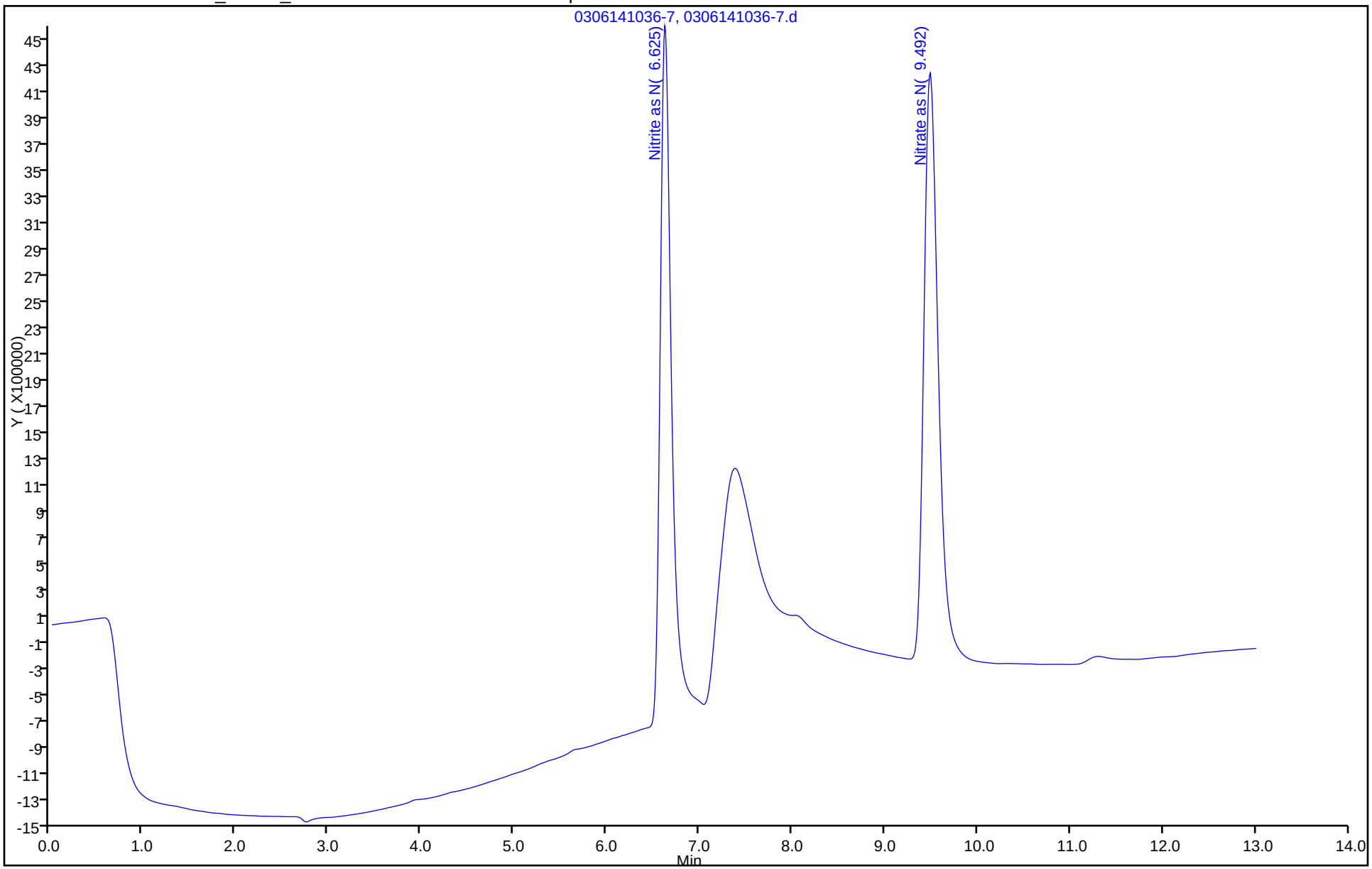
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141036-7.d				
Lims ID:	LCSD	Lab Sample ID:	LCSD 680-318581/7-A		
Client ID:					
Sample Type:	LCSD				
Inject. Date:	06-Mar-2014 10:36:00	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 1G030614 Anion				
Misc. Info.:	7 3473235				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:40	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.625	6.625	0.0	44907397	1.00	
	6 Nitrate as N	9.492	9.483	0.009	48203794	0.9759	
S	9 Nitrite as NO2					3.28	
S	10 Nitrate as NO3					4.32	

Report Date: 07-Mar-2014 13:07:41 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141036-7.d				
Injection Date:	06-Mar-2014 10:36:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	LCSD	Lab Sample ID:	LCSD 680-318581/7-A	Worklist Smp#:	7
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW13B MS Lab Sample ID: 680-99116-5 MS

Matrix: Water Lab File ID: 0306140034-55.d

Analysis Method: 300.0 Date Collected: 03/04/2014 10:20

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 00:34

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318426 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.17		0.17	0.082
STL00672	Nitrate as NO3	11.2		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140034-55.d
Lims ID: 680-99116-F-5 MS Lab Sample ID: 680-99116-5
Client ID:
Sample Type: MS
Inject. Date: 06-Mar-2014 00:34:00 ALS Bottle#: 0 Worklist Smp#: 55
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: 680-99116-F-5 MS 1G030514 Anion
Misc. Info.: 21449
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 10:57:32 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.642	6.658	-0.016	43275414	0.9622	
	4 Bromide	7.225	7.217	0.008	128586417	NC	
	6 Nitrate as N	9.450	9.533	-0.083	125751279	2.53	E
S	9 Nitrite as NO2					3.17	
S	10 Nitrate as NO3					11.2	

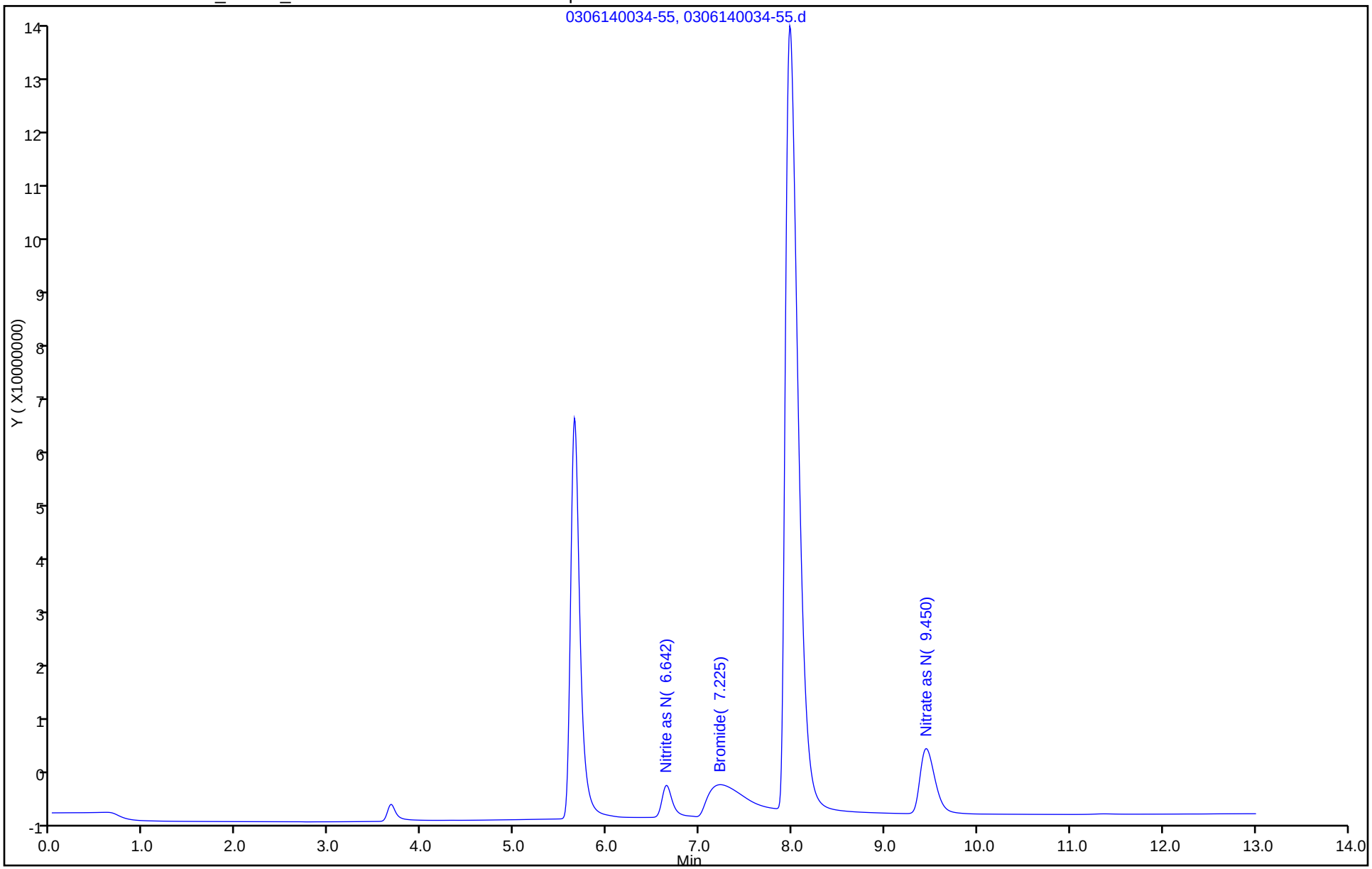
QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Report Date: 07-Mar-2014 10:57:35 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140034-55.d				
Injection Date:	06-Mar-2014 00:34:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-5 MS	Lab Sample ID:	680-99116-5	Worklist Smp#:	55
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW08 SPRING MS Lab Sample ID: 680-99116-12 MS

Matrix: Water Lab File ID: 0306141209-13.d

Analysis Method: 300.0 Date Collected: 03/04/2014 13:38

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 12:09

Con. Extract Vol.: 5(mL) Dilution Factor: 4

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318480 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	13.0		0.68	0.33
STL00672	Nitrate as NO3	35.7		0.88	0.44

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141209-13.d
Lims ID: 680-99116-F-12 MS Lab Sample ID: 680-99116-12
Client ID:
Sample Type: MS
Inject. Date: 06-Mar-2014 12:09:00 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 25.0 ul Dil. Factor: 4.0000
Sample Info: 680-99116-F-12 MS 1G030614 Anion
Misc. Info.: 28295
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 13:07:40 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.625	6.625	0.0	44328582	0.9853	
	4 Bromide	7.300	7.333	-0.033	68376925	NC	
	6 Nitrate as N	9.433	9.483	-0.050	100416848	2.02	E
S	9 Nitrite as NO2					3.24	
S	10 Nitrate as NO3					8.94	

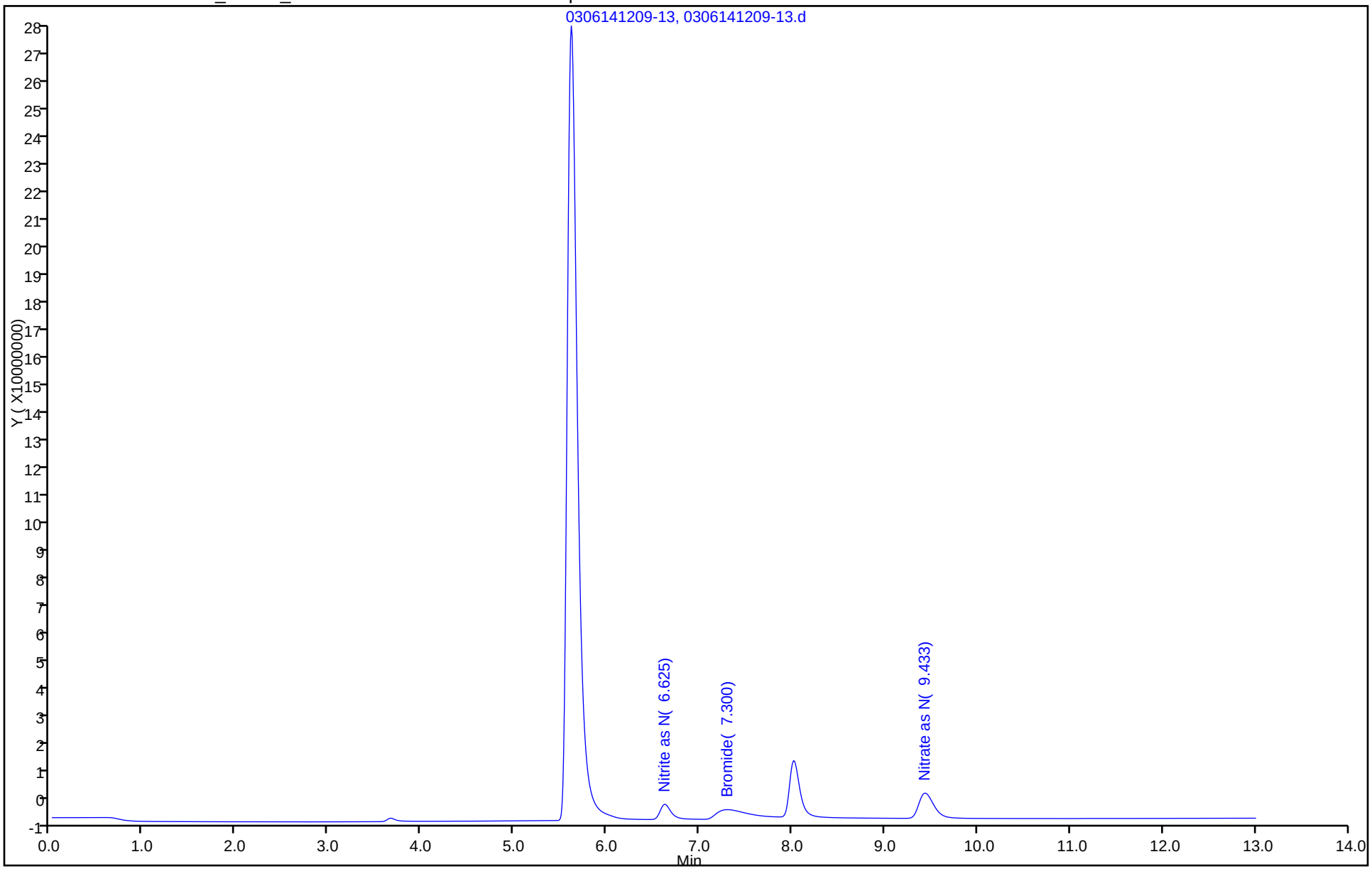
QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Report Date: 07-Mar-2014 13:07:43 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141209-13.d				
Injection Date:	06-Mar-2014 12:09:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-12 MS	Lab Sample ID:	680-99116-12	Worklist Smp#:	13
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	4.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW12 MS | Lab Sample ID: 680-99116-14 MS

Matrix: Water | Lab File ID: 0306140527-74.d

Analysis Method: 300.0 | Date Collected: 03/04/2014 15:30

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 03/06/2014 05:27

Con. Extract Vol.: 5(mL) | Dilution Factor: 2

Injection Volume: 25(uL) | GC Column: AS18 ID: 4(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 318427 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	6.37		0.34	0.16
STL00672	Nitrate as NO3	16.5		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140527-74.d
Lims ID: 680-99116-F-14 MS Lab Sample ID: 680-99116-14
Client ID:
Sample Type: MS
Inject. Date: 06-Mar-2014 05:27:00 ALS Bottle#: 0 Worklist Smp#: 74
Injection Vol: 25.0 ul Dil. Factor: 2.0000
Sample Info: 680-99116-F-14 MS 1G030514 Anion
Misc. Info.: 27165
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 12:10:59 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

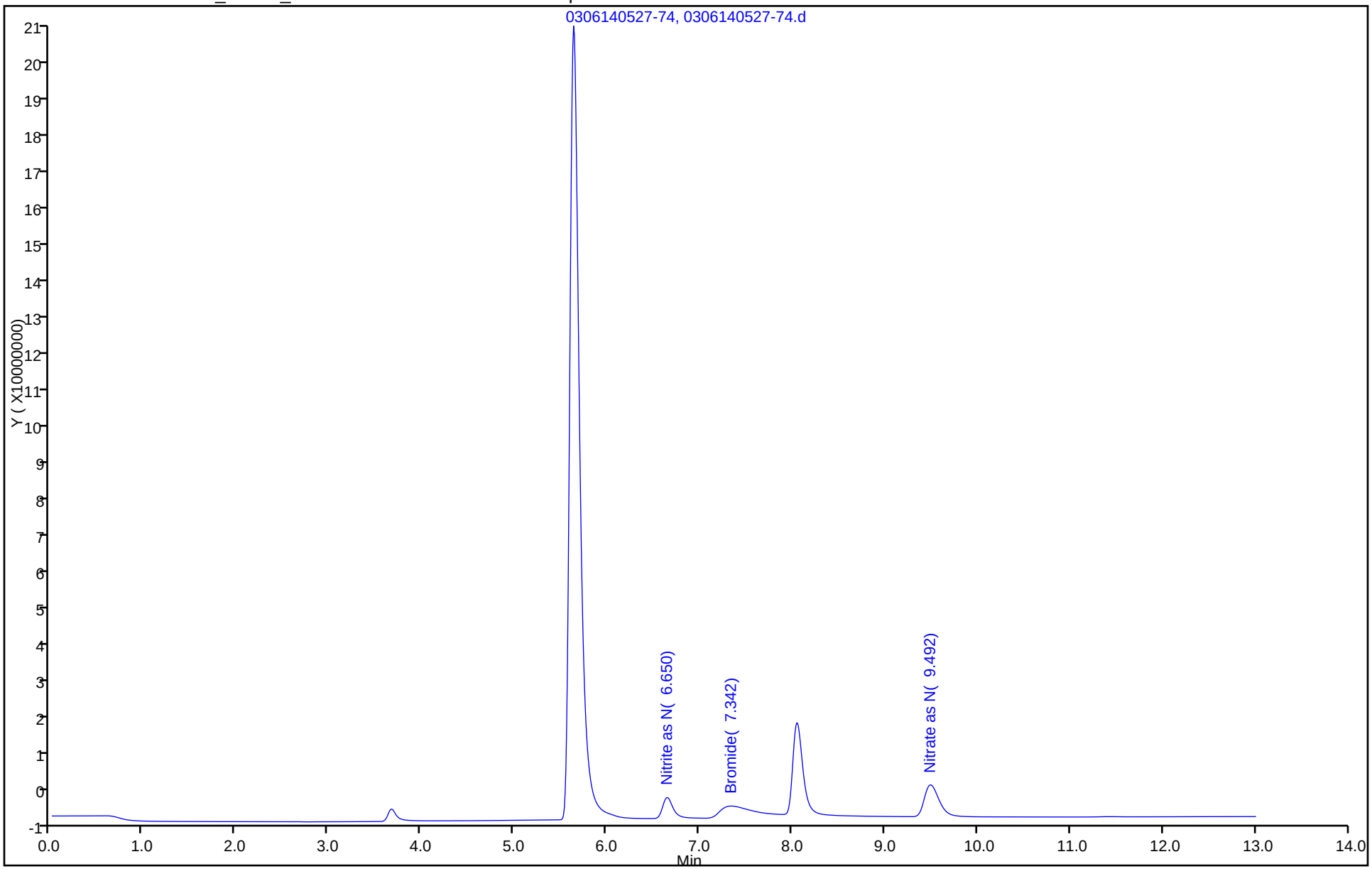
Column 1 : Det: 0423131702-17
Process Host: XAWRK009

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.650	6.650	0.0	43549811	0.9683	
	4 Bromide	7.342	7.217	0.125	62527777	NC	
	6 Nitrate as N	9.492	9.533	-0.041	92625978	1.86	
S	9 Nitrite as NO2					3.19	
S	10 Nitrate as NO3					8.25	

Report Date: 07-Mar-2014 12:11:00 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140527-74.d				
Injection Date:	06-Mar-2014 05:27:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-14 MS	Lab Sample ID:	680-99116-14	Worklist Smp#:	74
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSMW13B MSD Lab Sample ID: 680-99116-5 MSD

Matrix: Water Lab File ID: 0306140049-56.d

Analysis Method: 300.0 Date Collected: 03/04/2014 10:20

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 00:49

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318426 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.23		0.17	0.082
STL00672	Nitrate as NO3	11.3		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140049-56.d
Lims ID: 680-99116-F-5 MSD Lab Sample ID: 680-99116-5
Client ID:
Sample Type: MSD
Inject. Date: 06-Mar-2014 00:49:00 ALS Bottle#: 0 Worklist Smp#: 56
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: 680-99116-F-5 MSD 1G030514 Anion
Misc. Info.: 18256
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 10:57:32 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.642	6.658	-0.016	44130355	0.9810	
	4 Bromide	7.225	7.217	0.008	128446177	NC	
	6 Nitrate as N	9.450	9.533	-0.083	126705968	2.54	E
S	9 Nitrite as NO2					3.23	
S	10 Nitrate as NO3					11.3	

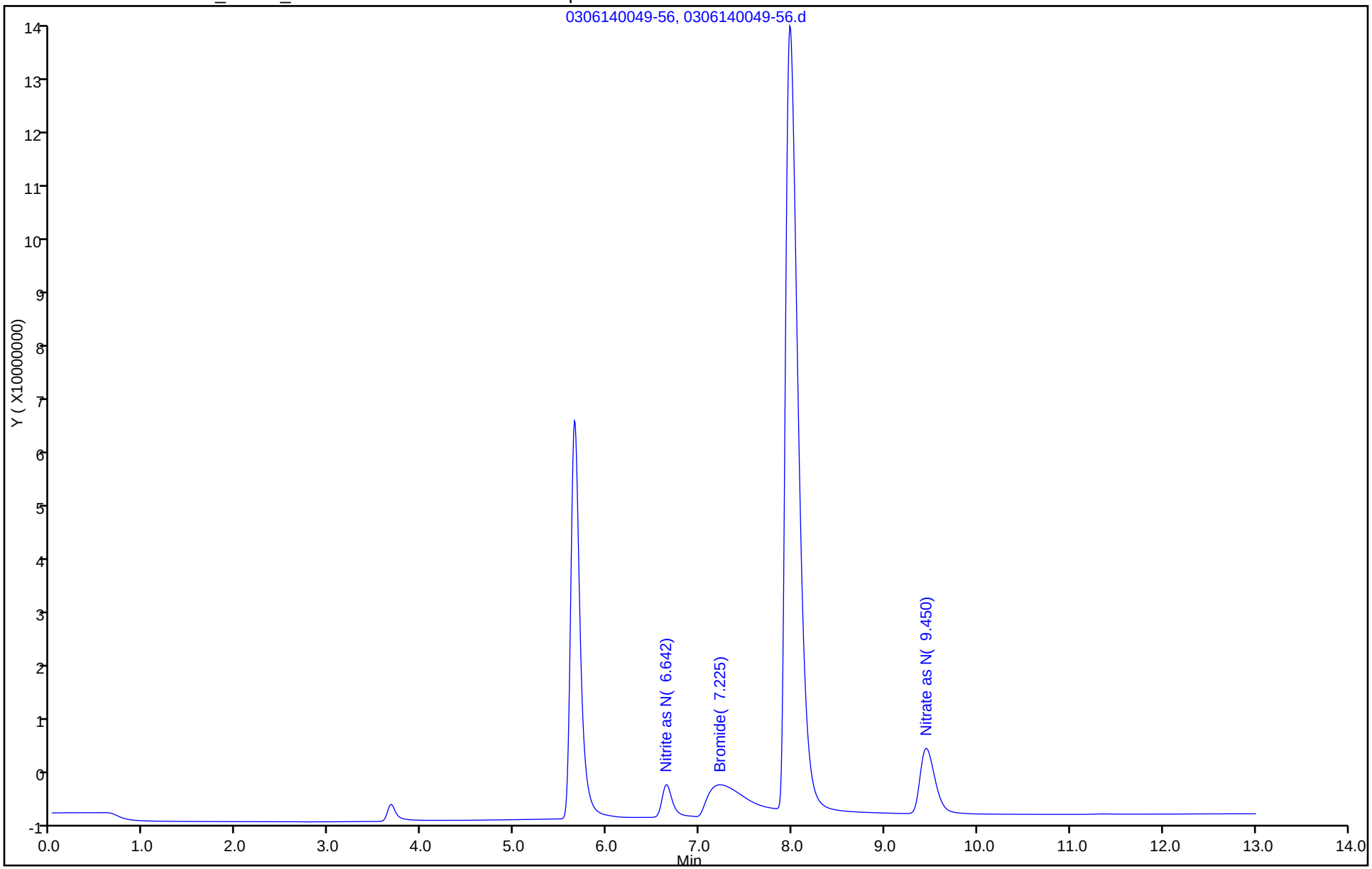
QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Report Date: 07-Mar-2014 10:57:36 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140049-56.d				
Injection Date:	06-Mar-2014 00:49:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-5 MSD	Lab Sample ID:	680-99116-5	Worklist Smp#:	56
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW08 SPRING MSD Lab Sample ID: 680-99116-12 MSD

Matrix: Water Lab File ID: 0306141224-14.d

Analysis Method: 300.0 Date Collected: 03/04/2014 13:38

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 12:24

Con. Extract Vol.: 5(mL) Dilution Factor: 4

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318480 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	12.7		0.68	0.33
STL00672	Nitrate as NO3	35.4		0.88	0.44

TestAmerica Savannah
Target Compound Quantitation Report

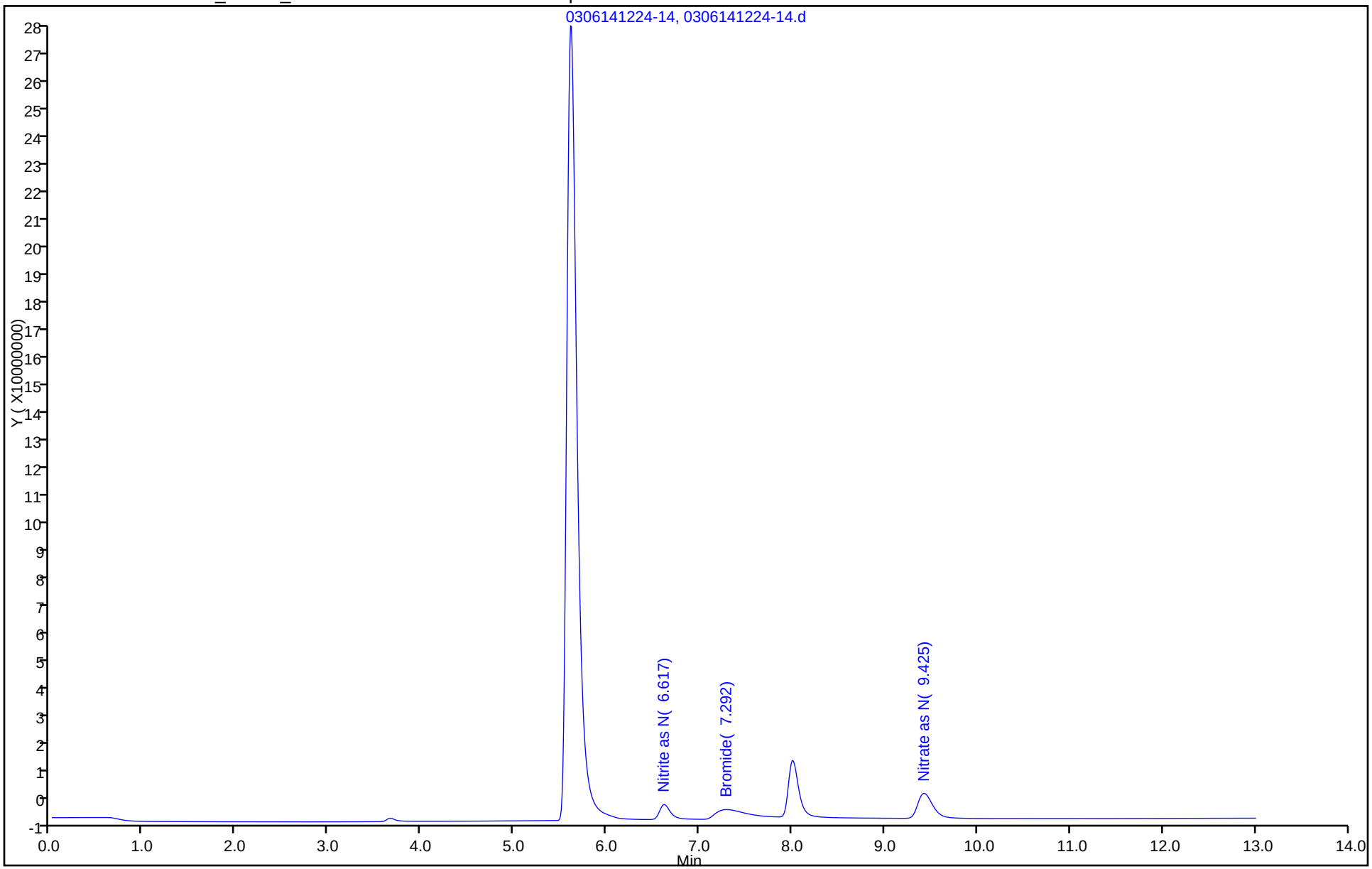
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141224-14.d				
Lims ID:	680-99116-F-12 MSD	Lab Sample ID:	680-99116-12		
Client ID:					
Sample Type:	MSD				
Inject. Date:	06-Mar-2014 12:24:00	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	25.0 ul	Dil. Factor:	4.0000		
Sample Info:	680-99116-F-12 MSD 1G030614 Anion				
Misc. Info.:	949				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:40	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.617	6.625	-0.008	43358798	0.9641	
	4 Bromide	7.292	7.333	-0.041	68351060	NC	
	6 Nitrate as N	9.425	9.483	-0.058	99437698	2.00	
S	9 Nitrite as NO2					3.17	
S	10 Nitrate as NO3					8.85	

Report Date: 07-Mar-2014 13:07:44 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141224-14.d				
Injection Date:	06-Mar-2014 12:24:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-12 MSD	Lab Sample ID:	680-99116-12	Worklist Smp#:	14
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	4.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Client Sample ID: SMSSW12 MSD Lab Sample ID: 680-99116-14 MSD

Matrix: Water Lab File ID: 0306140542-75.d

Analysis Method: 300.0 Date Collected: 03/04/2014 15:30

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 05:42

Con. Extract Vol.: 5(mL) Dilution Factor: 2

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318427 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	6.40		0.34	0.16
STL00672	Nitrate as NO3	16.6		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140542-75.d
Lims ID: 680-99116-F-14 MSD Lab Sample ID: 680-99116-14
Client ID:
Sample Type: MSD
Inject. Date: 06-Mar-2014 05:42:00 ALS Bottle#: 0 Worklist Smp#: 75
Injection Vol: 25.0 ul Dil. Factor: 2.0000
Sample Info: 680-99116-F-14 MSD 1G030514 Anion
Misc. Info.: 6891
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140305-6925.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 12:10:59 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

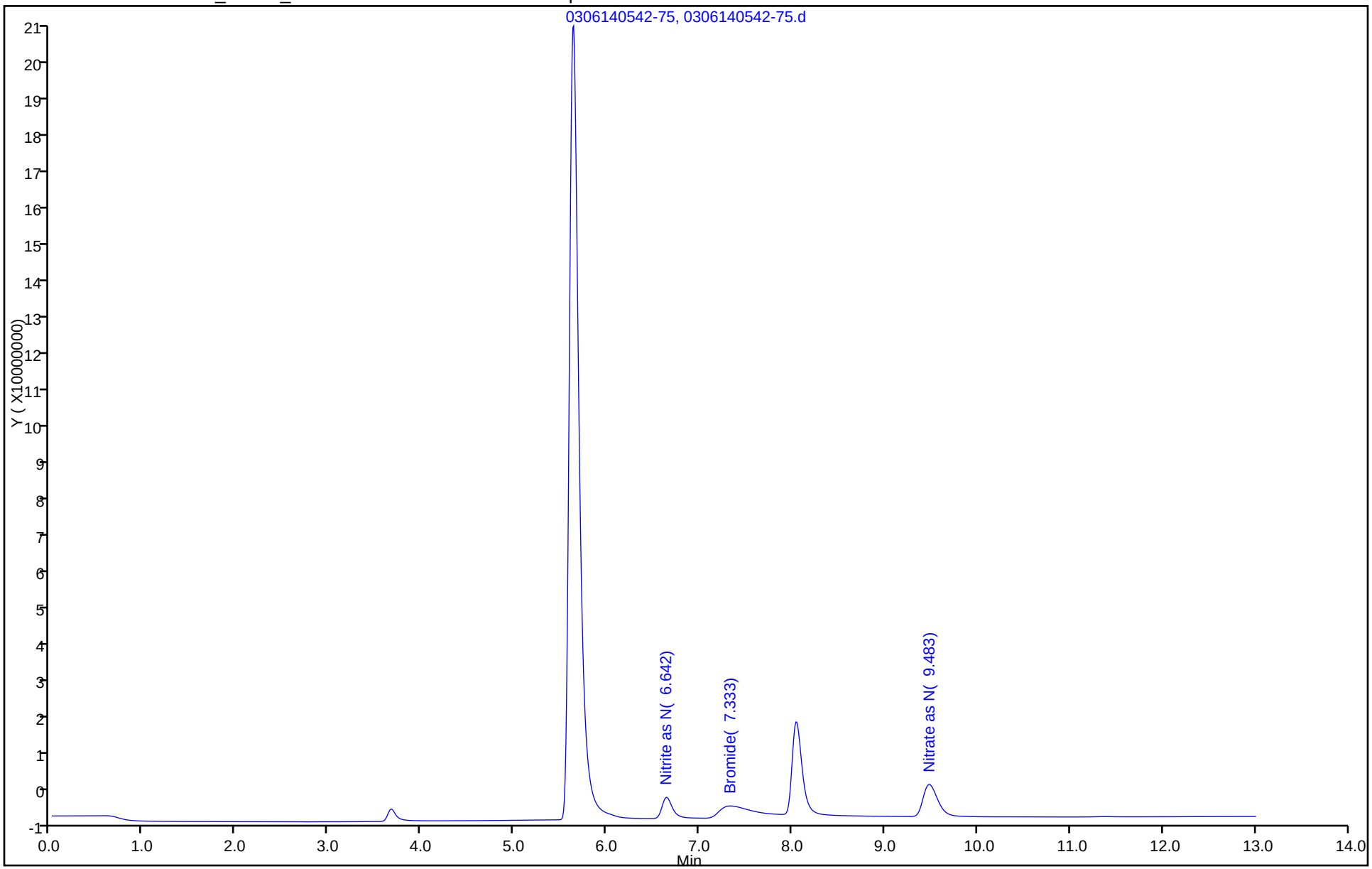
Column 1 : Det: 0423131702-17
Process Host: XAWRK009

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.642	6.650	-0.008	43755113	0.9727	
	4 Bromide	7.333	7.217	0.116	62662482	NC	
	6 Nitrate as N	9.483	9.533	-0.050	93097508	1.87	
S	9 Nitrite as NO2					3.20	
S	10 Nitrate as NO3					8.29	

Report Date: 07-Mar-2014 12:11:01 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140542-75.d				
Injection Date:	06-Mar-2014 05:42:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99116-F-14 MSD	Lab Sample ID:	680-99116-14	Worklist Smp#:	75
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: CICG Start Date: 02/28/2014 15:10

Analysis Batch Number: 317856 End Date: 02/28/2014 20:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 680-317856/2		02/28/2014 15:10	1	0228141510-22.d	AS18 4(mm)
IC 680-317856/3		02/28/2014 15:25	1	0228141525-23.d	AS18 4(mm)
IC 680-317856/4		02/28/2014 15:40	1	0228141540-24.d	AS18 4(mm)
IC 680-317856/5		02/28/2014 15:56	1	0228141556-25.d	AS18 4(mm)
IC 680-317856/6		02/28/2014 16:11	1	0228141611-26.d	AS18 4(mm)
IC 680-317856/7		02/28/2014 16:27	1	0228141627-27.d	AS18 4(mm)
IC 680-317856/8		02/28/2014 16:42	1	0228141642-28.d	AS18 4(mm)
ZZZZZ		02/28/2014 16:57	1		AS18 4(mm)
ICB 680-317856/1009		02/28/2014 16:57	1	0228141657-29-ICB.d	AS18 4(mm)
ZZZZZ		02/28/2014 17:13	1		AS18 4(mm)
ICV 680-317856/1010		02/28/2014 17:13	1	0228141713-30-ICV.d	AS18 4(mm)
ZZZZZ		02/28/2014 17:28	1		AS18 4(mm)
ZZZZZ		02/28/2014 17:44	1		AS18 4(mm)
ZZZZZ		02/28/2014 17:59	1		AS18 4(mm)
ZZZZZ		02/28/2014 18:14	1		AS18 4(mm)
ZZZZZ		02/28/2014 18:30	2		AS18 4(mm)
ZZZZZ		02/28/2014 18:45	1		AS18 4(mm)
ZZZZZ		02/28/2014 19:01	1		AS18 4(mm)
ZZZZZ		02/28/2014 19:16	1		AS18 4(mm)
ZZZZZ		02/28/2014 19:31	1		AS18 4(mm)
ZZZZZ		02/28/2014 19:47	2		AS18 4(mm)
ZZZZZ		02/28/2014 20:02	1		AS18 4(mm)
CCV 680-317856/22		02/28/2014 20:18	1		AS18 4(mm)
CCB 680-317856/23		02/28/2014 20:33	1		AS18 4(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: CICG Start Date: 03/05/2014 18:24

Analysis Batch Number: 318426 End Date: 03/06/2014 01:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-318426/31		03/05/2014 18:24	1	0305141824-31.d	AS18 4(mm)
MB 680-318426/32		03/05/2014 18:40	1	0305141840-32.d	AS18 4(mm)
LCS 680-318426/33		03/05/2014 18:55	1	0305141855-33.d	AS18 4(mm)
LCSD 680-318426/34		03/05/2014 19:11	1	0305141911-34.d	AS18 4(mm)
ZZZZZ		03/05/2014 19:26	4		AS18 4(mm)
ZZZZZ		03/05/2014 19:41	2		AS18 4(mm)
ZZZZZ		03/05/2014 19:57	4		AS18 4(mm)
ZZZZZ		03/05/2014 20:12	40		AS18 4(mm)
ZZZZZ		03/05/2014 20:28	1		AS18 4(mm)
ZZZZZ		03/05/2014 20:43	2		AS18 4(mm)
ZZZZZ		03/05/2014 20:58	4		AS18 4(mm)
ZZZZZ		03/05/2014 21:14	2		AS18 4(mm)
ZZZZZ		03/05/2014 21:29	2		AS18 4(mm)
ZZZZZ		03/05/2014 21:45	2		AS18 4(mm)
CCV 680-318426/45		03/05/2014 22:00	1	0305142200-45.d	AS18 4(mm)
CCB 680-318426/46		03/05/2014 22:15	1	0305142215-46.d	AS18 4(mm)
ZZZZZ		03/05/2014 22:31	1		AS18 4(mm)
ZZZZZ		03/05/2014 22:46	2		AS18 4(mm)
ZZZZZ		03/05/2014 23:02	2		AS18 4(mm)
680-99116-1	SMSMW11B	03/05/2014 23:17	2	0305142317-50.d	AS18 4(mm)
680-99116-2	SMSMW13A	03/05/2014 23:32	20	0305142332-51.d	AS18 4(mm)
680-99116-3	SMSMW12B	03/05/2014 23:48	40	0305142348-52.d	AS18 4(mm)
680-99116-4	SMSMW07A	03/06/2014 00:03	1	0306140003-53.d	AS18 4(mm)
680-99116-5	SMSMW13B	03/06/2014 00:19	1	0306140019-54.d	AS18 4(mm)
680-99116-5 MS	SMSMW13B MS	03/06/2014 00:34	1	0306140034-55.d	AS18 4(mm)
680-99116-5 MSD	SMSMW13B MSD	03/06/2014 00:49	1	0306140049-56.d	AS18 4(mm)
CCV 680-318426/57		03/06/2014 01:05	1	0306140105-57.d	AS18 4(mm)
CCB 680-318426/58		03/06/2014 01:20	1	0306140120-58.d	AS18 4(mm)

300.0

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: CICG Start Date: 03/06/2014 01:05

Analysis Batch Number: 318427 End Date: 03/06/2014 06:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-318427/57		03/06/2014 01:05	1	0306140105-57.d	AS18 4(mm)
MB 680-318427/58		03/06/2014 01:20	1	0306140120-58.d	AS18 4(mm)
LCS 680-318427/59		03/06/2014 01:36	1	0306140136-59.d	AS18 4(mm)
LCSD 680-318427/60		03/06/2014 01:51	1	0306140151-60.d	AS18 4(mm)
680-99116-6	SMSSW20	03/06/2014 02:06	2	0306140206-61.d	AS18 4(mm)
680-99116-7	SMSMW11A	03/06/2014 02:22	4	0306140222-62.d	AS18 4(mm)
680-99116-9	SMSSW10	03/06/2014 03:24	1	0306140324-66.d	AS18 4(mm)
680-99116-10	SMSSW02	03/06/2014 03:39	2	0306140339-67.d	AS18 4(mm)
680-99116-11	SMSSW08	03/06/2014 03:54	1	0306140354-68.d	AS18 4(mm)
680-99116-12	SMSSW08 SPRING	03/06/2014 04:10	2	0306140410-69.d	AS18 4(mm)
680-99116-13	SMSSW04	03/06/2014 04:25	2	0306140425-70.d	AS18 4(mm)
CCV 680-318427/71		03/06/2014 04:41	1	0306140441-71.d	AS18 4(mm)
CCB 680-318427/72		03/06/2014 04:56	1	0306140456-72.d	AS18 4(mm)
680-99116-14	SMSSW12	03/06/2014 05:11	2	0306140511-73.d	AS18 4(mm)
680-99116-14 MS	SMSSW12 MS	03/06/2014 05:27	2	0306140527-74.d	AS18 4(mm)
680-99116-14 MSD	SMSSW12 MSD	03/06/2014 05:42	2	0306140542-75.d	AS18 4(mm)
680-99116-2	SMSMW13A	03/06/2014 05:58	2	0306140558-76.d	AS18 4(mm)
680-99116-3	SMSMW12B	03/06/2014 06:13	4	0306140613-77.d	AS18 4(mm)
CCV 680-318427/78		03/06/2014 06:28	1	0306140628-78.d	AS18 4(mm)
CCB 680-318427/79		03/06/2014 06:44	1	0306140644-79.d	AS18 4(mm)
ZZZZZ		03/06/2014 06:59	1		AS18 4(mm)

300.0

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: CICG Start Date: 03/06/2014 09:21

Analysis Batch Number: 318480 End Date: 03/06/2014 19:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/06/2014 09:21	1		AS18 4(mm)
ZZZZZ		03/06/2014 09:36	1		AS18 4(mm)
CCV 680-318480/4		03/06/2014 09:50	1	0306140950-4.d	AS18 4(mm)
MB 680-318480/5		03/06/2014 10:06	1	0306141006-5.d	AS18 4(mm)
LCS 680-318480/6		03/06/2014 10:21	1	0306141021-6.d	AS18 4(mm)
LCSD 680-318480/7		03/06/2014 10:36	1	0306141036-7.d	AS18 4(mm)
680-99116-4 DL	SMSMW07A DL	03/06/2014 11:07	4	0306141107-9.d	AS18 4(mm)
680-99116-8	SMSMW07B	03/06/2014 11:23	50	0306141123-10.d	AS18 4(mm)
ZZZZZ		03/06/2014 11:38	1		AS18 4(mm)
680-99116-12	SMSSW08 SPRING	03/06/2014 11:53	4	0306141153-12.d	AS18 4(mm)
680-99116-12 MS	SMSSW08 SPRING MS	03/06/2014 12:09	4	0306141209-13.d	AS18 4(mm)
680-99116-12 MSD	SMSSW08 SPRING MSD	03/06/2014 12:24	4	0306141224-14.d	AS18 4(mm)
680-99116-14	SMSSW12	03/06/2014 12:40	1	0306141240-15.d	AS18 4(mm)
ZZZZZ		03/06/2014 12:55	10		AS18 4(mm)
ZZZZZ		03/06/2014 13:10	2		AS18 4(mm)
CCV 680-318480/18		03/06/2014 13:26	1	0306141326-18.d	AS18 4(mm)
CCB 680-318480/19		03/06/2014 13:41	1	0306141341-19.d	AS18 4(mm)
ZZZZZ		03/06/2014 16:11	1		AS18 4(mm)
ZZZZZ		03/06/2014 16:27	1		AS18 4(mm)
ZZZZZ		03/06/2014 16:42	1		AS18 4(mm)
ZZZZZ		03/06/2014 17:13	2		AS18 4(mm)
ZZZZZ		03/06/2014 17:28	20		AS18 4(mm)
ZZZZZ		03/06/2014 17:44	2		AS18 4(mm)
ZZZZZ		03/06/2014 17:59	20		AS18 4(mm)
ZZZZZ		03/06/2014 18:15	40		AS18 4(mm)
ZZZZZ		03/06/2014 18:30	2		AS18 4(mm)
CCV 680-318480/30		03/06/2014 18:46	1		AS18 4(mm)
CCB 680-318480/31		03/06/2014 19:01	1		AS18 4(mm)

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99116-1

SDG No.: 68099116-1

Project: Smokey Mountain Smelter

Client Sample ID	Lab Sample ID
SMSMW11B	680-99116-1
SMSMW13A	680-99116-2
SMSMW12B	680-99116-3
SMSMW07A	680-99116-4
SMSMW13B	680-99116-5
SMSSW20	680-99116-6
SMSMW11A	680-99116-7
SMSMW07B	680-99116-8
SMSSW10	680-99116-9
SMSSW02	680-99116-10
SMSSW08	680-99116-11
SMSSW08 SPRING	680-99116-12
SMSSW04	680-99116-13
SMSSW12	680-99116-14

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW11B
Lab Sample ID: 680-99116-1
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 10:55
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	140	5.0	2.6	mg/L			100	350.1
14265-44-2	ortho-Phosphate	0.081	0.050	0.016	mg/L		H	1	365.1
18540-29-9	Chromium, hexavalent	0.0052	0.010	0.0030	mg/L	J	H	1	7196A
7440-44-0	Total Organic Carbon	21	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW11B
Lab Sample ID: 680-99116-1
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 10:55
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	1400	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	6900	100		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW13A
Lab Sample ID: 680-99116-2
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 12:55
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	0.12	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	<0.016	0.050	0.016	mg/L		H	1	365.1
18540-29-9	Chromium, hexavalent	<0.0030	0.010	0.0030	mg/L			1	7196A
7440-44-0	Total Organic Carbon	0.97	1.0	0.50	mg/L	J		1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW13A
Lab Sample ID: 680-99116-2
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 12:55
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	5.5	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	1100	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW12B
Lab Sample ID: 680-99116-3
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 15:47
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	0.28	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	<0.016	0.050	0.016	mg/L			1	365.1
18540-29-9	Chromium, hexavalent	<0.0030	0.010	0.0030	mg/L			1	7196A
7440-44-0	Total Organic Carbon	0.69	1.0	0.50	mg/L	J		1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW12B
Lab Sample ID: 680-99116-3
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 15:47
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	370	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	1900	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW07A
Lab Sample ID: 680-99116-4
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 09:40
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	270	10	5.2	mg/L			200	350.1
14265-44-2	ortho-Phosphate	0.024	0.050	0.016	mg/L	J	H	1	365.1
7440-44-0	Total Organic Carbon	24	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW07A
Lab Sample ID: 680-99116-4
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 09:40
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	1300	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	21000	500		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW13B
Lab Sample ID: 680-99116-5
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 10:20
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	0.51	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	<0.016	0.050	0.016	mg/L		H	1	365.1
7440-44-0	Total Organic Carbon	<0.50	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW13B
Lab Sample ID: 680-99116-5
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 10:20
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	290	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	470	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW20
Lab Sample ID: 680-99116-6
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 09:47
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	0.10	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.019	0.050	0.016	mg/L	J	H	1	365.1
7440-44-0	Total Organic Carbon	3.0	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW20
Lab Sample ID: 680-99116-6
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 09:47
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	110	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	220	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW11A
Lab Sample ID: 680-99116-7
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 09:22
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	87	2.5	1.3	mg/L			50	350.1
14265-44-2	ortho-Phosphate	1.2	0.050	0.016	mg/L		H	1	365.1
7440-44-0	Total Organic Carbon	15	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW11A
Lab Sample ID: 680-99116-7
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 09:22
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	1000	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	5400	100		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW07B
Lab Sample ID: 680-99116-8
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 11:52
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	670	25	13	mg/L			500	350.1
14265-44-2	ortho-Phosphate	<0.016	0.050	0.016	mg/L		H	1	365.1
7440-44-0	Total Organic Carbon	29	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW07B
Lab Sample ID: 680-99116-8
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 11:52
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	1100	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	45000	500		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW10 | Lab Sample ID: 680-99116-9

Lab Name: TestAmerica Savannah | Job No.: 680-99116-1

SDG ID.: 68099116-1

Matrix: Water | Date Sampled: 03/04/2014 09:16

Reporting Basis: WET | Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	0.20	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	<0.016	0.050	0.016	mg/L		H	1	365.1
7440-44-0	Total Organic Carbon	1.2	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW10
Lab Sample ID: 680-99116-9
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 09:16
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	140	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	220	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW02
Lab Sample ID: 680-99116-10
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 12:54
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	4.0	0.25	0.13	mg/L			5	350.1
14265-44-2	ortho-Phosphate	1.8	0.050	0.016	mg/L		H	1	365.1
7440-44-0	Total Organic Carbon	7.1	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW02
Lab Sample ID: 680-99116-10
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 12:54
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	190	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	530	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW08 | Lab Sample ID: 680-99116-11

Lab Name: TestAmerica Savannah | Job No.: 680-99116-1

SDG ID.: 68099116-1

Matrix: Water | Date Sampled: 03/04/2014 13:50

Reporting Basis: WET | Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	0.16	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.017	0.050	0.016	mg/L	J		1	365.1
7440-44-0	Total Organic Carbon	0.55	1.0	0.50	mg/L	J		1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW08
Lab Sample ID: 680-99116-11
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 13:50
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	170	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	550	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW08 SPRING
Lab Sample ID: 680-99116-12
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 13:38
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	0.49	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	<0.016	0.050	0.016	mg/L			1	365.1
7440-44-0	Total Organic Carbon	<0.50	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW08 SPRING
Lab Sample ID: 680-99116-12
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 13:38
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	290	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	1000	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW04
Lab Sample ID: 680-99116-13
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 14:40
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	0.18	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.026	0.050	0.016	mg/L	J		1	365.1
7440-44-0	Total Organic Carbon	0.79	1.0	0.50	mg/L	J		1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW04 | Lab Sample ID: 680-99116-13

Lab Name: TestAmerica Savannah | Job No.: 680-99116-1

SDG ID.: 68099116-1

Matrix: Water | Date Sampled: 03/04/2014 14:40

Reporting Basis: WET | Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	120	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	740	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW12
Lab Sample ID: 680-99116-14
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 15:30
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	0.48	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.021	0.050	0.016	mg/L	J		1	365.1
7440-44-0	Total Organic Carbon	0.65	1.0	0.50	mg/L	J		1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW12
Lab Sample ID: 680-99116-14
Lab Name: TestAmerica Savannah
Job No.: 680-99116-1
SDG ID.: 68099116-1
Matrix: Water
Date Sampled: 03/04/2014 15:30
Reporting Basis: WET
Date Received: 03/05/2014 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	95	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	390	10		mg/L			1	2540C-2011

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Analyst: JME Batch Start Date: 02/28/2014

Reporting Units: mg/L Analytical Batch No.: 317820

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
10	ICV	13:45	Ammonia	1.03	1.00	103			NH3 ICV_00022

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Analyst: JME Batch Start Date: 03/12/2014

Reporting Units: mg/L Analytical Batch No.: 319360

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
7	CCB	13:30	Ammonia	<0.026					
8	CCV	13:56	Ammonia	1.05	1.00	105	90-110		NH3 LCS_00043
14	CCV	14:05	Ammonia	1.05	1.00	105	90-110		NH3 LCS_00043
15	CCB	14:05	Ammonia	<0.026					
23	CCV	14:14	Ammonia	1.06	1.00	106	90-110		NH3 LCS_00043
24	CCB	14:14	Ammonia	<0.026					
28	CCB	14:29	Ammonia	0.0342				J	
31	CCV	14:58	Ammonia	1.05	1.00	105	90-110		NH3 LCS_00043
32	CCB	14:58	Ammonia	<0.026					
38	CCV	15:06	Ammonia	1.04	1.00	104	90-110		NH3 LCS_00043
39	CCB	15:06	Ammonia	<0.026					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Analyst: JME Batch Start Date: 03/14/2014

Reporting Units: mg/L Analytical Batch No.: 319784

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	18:06	Ammonia	1.08	1.00	107	90-110		NH3 LCS_00043
2	CCB	18:06	Ammonia	0.0274				J	
9	CCV	18:16	Ammonia	1.08	1.00	108	90-110		NH3 LCS_00043
10	CCB	18:16	Ammonia	0.0269				J	
23	CCV	10:59	Ammonia	1.01	1.00	101	90-110		NH3 LCS_00043
24	CCB	10:59	Ammonia	<0.026					
31	CCV	11:10	Ammonia	1.05	1.00	105	90-110		NH3 LCS_00043
32	CCB	11:10	Ammonia	<0.026					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Analyst: CRW Batch Start Date: 01/02/2014

Reporting Units: mg/L Analytical Batch No.: 310250

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
9	ICV	09:48	ortho-Phosphate	1.08	1.00	108			PO4 ICV_00015
10	ICB	09:48	ortho-Phosphate	<0.016					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Analyst: GRX Batch Start Date: 03/06/2014

Reporting Units: mg/L Analytical Batch No.: 318579

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
10	CCV	14:26	ortho-Phosphate	1.23	1.20	102	90-110		PO4 LCS_00111
11	CCB	14:26	ortho-Phosphate	0.0168				J	
22	CCV	14:30	ortho-Phosphate	1.23	1.20	103	90-110		PO4 LCS_00111
23	CCB	14:30	ortho-Phosphate	<0.016					
27	CCV	14:33	ortho-Phosphate	1.23	1.20	102	90-110		PO4 LCS_00111
28	CCB	14:33	ortho-Phosphate	<0.016					
29	CCV	15:40	ortho-Phosphate	1.24	1.20	103	90-110		PO4 LCS_00111
30	CCB	15:40	ortho-Phosphate	<0.016					
34	CCV	15:42	ortho-Phosphate	1.24	1.20	103	90-110		PO4 LCS_00111
35	CCB	15:42	ortho-Phosphate	<0.016					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Analyst: GRX Batch Start Date: 03/06/2014

Reporting Units: mg/L Analytical Batch No.: 318580

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
10	CCV	14:33	ortho-Phosphate	1.23	1.20	102	90-110		PO4 LCS_00111
11	CCB	14:33	ortho-Phosphate	<0.016					
20	CCV	14:34	ortho-Phosphate	1.24	1.20	103	90-110		PO4 LCS_00111
21	CCB	14:34	ortho-Phosphate	<0.016					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Analyst: CRW Batch Start Date: 01/25/2014

Reporting Units: mg/L Analytical Batch No.: 312999

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	13:18	Chromium, hexavalent	0.320	0.300	107			CR6 ICV_00025
9	ICB	13:18	Chromium, hexavalent	<0.0030					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Analyst: GRX Batch Start Date: 03/05/2014

Reporting Units: mg/L Analytical Batch No.: 318428

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCB	13:36	Chromium, hexavalent	0.00302				J	
2	CCV	13:36	Chromium, hexavalent	0.210	0.200	105	90-110		CR6 LCS_00117

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Analyst: DAM Batch Start Date: 03/13/2014

Reporting Units: mg/L Analytical Batch No.: 319601

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
11	CCV	13:53	Alkalinity	<5.0					
22	CCV	13:53	Alkalinity	<5.0					
27	CCV	13:53	Alkalinity	<5.0					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Analyst: LBH Batch Start Date: 03/14/2014

Reporting Units: mg/L Analytical Batch No.: 319740

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
26	CCV	15:30	Alkalinity	<5.0					
31	CCV	16:13	Alkalinity	<5.0					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Analyst: CMP Batch Start Date: 03/05/2014

Reporting Units: mg/L Analytical Batch No.: 318406

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	08:48	Total Organic Carbon	19.3	20.0	96			TOC LCS/ICV_00025

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Analyst: CMP Batch Start Date: 03/13/2014

Reporting Units: mg/L Analytical Batch No.: 319535

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
37	CCV	02:27	Total Organic Carbon	48.0	50.0	96	90-110		TOCCALSTD4_00066
49	CCV	05:30	Total Organic Carbon	49.2	50.0	98	90-110		TOCCALSTD4_00066
50	CCB	05:48	Total Organic Carbon	<0.50					
61	CCV	08:45	Total Organic Carbon	49.8	50.0	99	90-110		TOCCALSTD4_00066
62	CCB	08:59	Total Organic Carbon	<0.50					
73	CCV	11:56	Total Organic Carbon	49.4	50.0	99	90-110		TOCCALSTD4_00066
74	CCB	12:12	Total Organic Carbon	<0.50					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 319601	Date: 03/13/2014 13:53						
2320B-2011	MB 680-319601/1	Alkalinity	<5.0		mg/L	5.0	1
Batch ID: 319740	Date: 03/14/2014 12:59						
2320B-2011	MB 680-319740/5	Alkalinity	<5.0		mg/L	5.0	1
Batch ID: 319027	Date: 03/11/2014 07:18						
2540C-2011	MB 680-319027/1	Total Dissolved Solids	<5.0		mg/L	5.0	1
Batch ID: 319360	Date: 03/12/2014 13:56						
350.1	MB 680-319360/9	Ammonia	<0.026		mg/L	0.050	1
Batch ID: 319784	Date: 03/15/2014 10:52						
350.1	MB 680-319784/12	Ammonia	<0.026		mg/L	0.050	1
Batch ID: 318579	Date: 03/06/2014 14:23						
365.1	MB 680-318579/2	ortho-Phosphate	<0.016		mg/L	0.050	1
Batch ID: 318580	Date: 03/06/2014 14:30						
365.1	MB 680-318580/2	ortho-Phosphate	<0.016		mg/L	0.050	1
Batch ID: 318525	Date: 03/06/2014 13:56						
4500 S2 F-2011	MB 680-318525/1	Sulfide	<1.0		mg/L	1.0	1
Batch ID: 318547	Date: 03/06/2014 15:18						
4500 S2 F-2011	MB 680-318547/1	Sulfide	<1.0		mg/L	1.0	1
Batch ID: 319535	Date: 03/13/2014 02:41						
5310 B-2011	MB 680-319535/38	Total Organic Carbon	<0.50		mg/L	1.0	1
Batch ID: 318428	Date: 03/05/2014 13:37						
7196A	MB 680-318428/9	Chromium, hexavalent	<0.0030		mg/L	0.010	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 319360	Date: 03/12/2014 13:56										
350.1	680-99116-2	Ammonia	0.12		mg/L						
350.1	680-99116-2 MS	Ammonia	1.22		mg/L	1.00	110	90-110			
Batch ID: 319784	Date: 03/14/2014 18:06										
350.1	680-99116-12	Ammonia	0.49		mg/L						
350.1	680-99116-12 MS	Ammonia	1.65		mg/L	1.00	117	90-110			F1

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 319360 Date: 03/12/2014 13:56											
350.1	680-99116-2 MSD	Ammonia	1.22		mg/L	1.00	111	90-110	0	30	F1
Batch ID: 319784 Date: 03/14/2014 18:06											
350.1	680-99116-12 MSD	Ammonia	1.65		mg/L	1.00	116	90-110	0	30	F1

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 319601	Date: 03/13/2014 13:53							
2320B-2011	SMSMW13B	680-99116-5	Alkalinity	290	mg/L			
2320B-2011	SMSMW13B	680-99116-5 DU	Alkalinity	271	mg/L	7	30	
Batch ID: 319027	Date: 03/11/2014 07:18							
2540C-2011	SMSSW20	680-99116-6	Total Dissolved Solids	220	mg/L			
2540C-2011	SMSSW20	680-99116-6 DU	Total Dissolved Solids	222	mg/L	0.9	25	
Batch ID: 319360	Date: 03/12/2014 14:05							
350.1	SMSMW13B	680-99116-5	Ammonia	0.51	mg/L			
350.1	SMSMW13B	680-99116-5 DU	Ammonia	0.508	mg/L	0.06	30	
Batch ID: 319784	Date: 03/14/2014 18:06							
350.1	SMSSW08	680-99116-11	Ammonia	0.16	mg/L			
350.1	SMSSW08	680-99116-11 DU	Ammonia	0.142	mg/L	12	30	
Batch ID: 318547	Date: 03/06/2014 15:18							
4500 S2 F-2011	SMSMW11B	680-99116-1	Sulfide	<1.0	mg/L			
4500 S2 F-2011	SMSMW11B	680-99116-1 DU	Sulfide	<1.0	mg/L	NC	30	
Batch ID: 319535	Date: 03/13/2014 06:13							
5310 B-2011	SMSMW11B	680-99116-1	Total Organic Carbon	21	mg/L			
5310 B-2011	SMSMW11B	680-99116-1 DU	Total Organic Carbon	20.3	mg/L	0.9	25	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 319601	Date: 03/13/2014 13:59										
						LCS Source: AlkalinityLCS_00026					
2320B-2011	LCS 680-319601/2	Alkalinity	260		mg/L	250	104	80-120	1	30	
Batch ID: 319740	Date: 03/14/2014 13:06										
						LCS Source: AlkalinityLCS_00026					
2320B-2011	LCS 680-319740/6	Alkalinity	249		mg/L	250	100	80-120	5	30	
Batch ID: 319027	Date: 03/11/2014 07:18										
						LCS Source: TS/TDS LCS_00226					
2540C-2011	LCS 680-319027/2	Total Dissolved Solids	131		mg/L	109	120	80-120	10	25	
Batch ID: 319360	Date: 03/12/2014 14:29										
						LCS Source: NH3 LCS_00043					
350.1	LCS 680-319360/27	Ammonia	1.01		mg/L	1.00	101	90-110			
Batch ID: 319784	Date: 03/15/2014 10:52										
						LCS Source: NH3 LCS_00043					
350.1	LCS 680-319784/11	Ammonia	1.01		mg/L	1.00	101	90-110			
Batch ID: 318579	Date: 03/06/2014 14:23										
						LCS Source: PO4 LCS_00111					
365.1	LCS 680-318579/1	ortho-Phosphate	1.23		mg/L	1.20	102	90-110			
Batch ID: 318580	Date: 03/06/2014 14:30										
						LCS Source: PO4 LCS_00111					
365.1	LCS 680-318580/1	ortho-Phosphate	1.23		mg/L	1.20	103	90-110			
Batch ID: 318525	Date: 03/06/2014 13:56										
						LCS Source: SulfideLCS_00335					
4500 S2 F-2011	LCS 680-318525/2	Sulfide	10.1		mg/L	10.0	101	75-125	6	30	
Batch ID: 318547	Date: 03/06/2014 15:18										
						LCS Source: SulfideLCS_00335					
4500 S2 F-2011	LCS 680-318547/2	Sulfide	9.83		mg/L	10.0	98	75-125	0	30	
Batch ID: 319535	Date: 03/13/2014 04:17										
						LCS Source: TOC LCS/ICV_00025					
5310 B-2011	LCS 680-319535/44	Total Organic Carbon	17.0		mg/L	20.0	85	80-120			
Batch ID: 318428	Date: 03/05/2014 13:37										
						LCS Source: CR6 LCS_00117					
7196A	LCS 680-318428/10	Chromium, hexavalent	0.205		mg/L	0.200	102	85-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 319601	Date: 03/13/2014 13:53										
						LCSD Source: AlkalinityLCS_00026					
2320B-2011	LCSD 680-319601/28	Alkalinity	263		mg/L	250	105	80-120	1	30	
Batch ID: 319740	Date: 03/14/2014 16:22										
						LCSD Source: AlkalinityLCS_00026					
2320B-2011	LCSD 680-319740/32	Alkalinity	261		mg/L	250	104	80-120	5	30	
Batch ID: 319027	Date: 03/11/2014 07:18										
						LCSD Source: TS/TDS LCS_00226					
2540C-2011	LCSD 680-319027/3	Total Dissolved Solids	119		mg/L	109	109	80-120	10	25	
Batch ID: 318525	Date: 03/06/2014 13:56										
						LCSD Source: SulfideLCS_00335					
4500 S2 F-2011	LCSD 680-318525/3	Sulfide	9.50		mg/L	10.0	95	75-125	6	30	
Batch ID: 318547	Date: 03/06/2014 15:18										
						LCSD Source: SulfideLCS_00335					
4500 S2 F-2011	LCSD 680-318547/3	Sulfide	9.83		mg/L	10.0	98	75-125	0	30	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99116-1

SDG Number: 68099116-1

Matrix: Water Instrument ID: KONELAB1

Method: 350.1 MDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Ammonia		0.05	0.026

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99116-1

SDG Number: 68099116-1

Matrix: Water Instrument ID: KONELAB1

Method: 350.1 XMDL Date: 10/13/2008 17:22

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Ammonia		0.05	0.026

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99116-1

SDG Number: 68099116-1

Matrix: Water Instrument ID: KONELAB2

Method: 365.1 MDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
ortho-Phosphate		0.05	0.016

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99116-1

SDG Number: 68099116-1

Matrix: Water Instrument ID: KONELAB2

Method: 365.1 XMDL Date: 01/01/2011 16:44

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
ortho-Phosphate		0.05	0.016

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99116-1

SDG Number: 68099116-1

Matrix: Water Instrument ID: KONELAB2

Method: 7196A MDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Chromium, hexavalent		0.01	0.003

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99116-1

SDG Number: 68099116-1

Matrix: Water Instrument ID: KONELAB2

Method: 7196A XMDL Date: 01/01/2011 08:35

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chromium, hexavalent		0.01	0.003

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99116-1

SDG Number: 68099116-1

Matrix: Water Instrument ID: NOEQUIP

Method: 4500 S2 F-2011 RL Date: 02/06/2009 09:19

Analyte	Wavelength/ Mass	RL (mg/L)	
Sulfide		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99116-1

SDG Number: 68099116-1

Matrix: Water Instrument ID: NOEQUIP

Method: 4500 S2 F-2011 XMDL Date: 06/01/2012 11:35

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Sulfide		1	1

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99116-1

SDG Number: 68099116-1

Matrix: Water Instrument ID: MANTECH

Method: 2320B-2011 RL Date: 01/12/2009 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	
Alkalinity		5	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99116-1

SDG Number: 68099116-1

Matrix: Water Instrument ID: MANTECH

Method: 2320B-2011 XRL Date: 04/01/2010 09:47

Analyte	Wavelength/ Mass	XRL (mg/L)	
Alkalinity		5	

FORM IX - IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99116-1

SDG Number: 68099116-1

Matrix: Water Instrument ID: NOEQUIP

Method: 2540C-2011 RL Date: 01/01/2004 16:11

Analyte	Wavelength/ Mass	RL (mg/L)	
Total Dissolved Solids		5	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99116-1

SDG Number: 68099116-1

Matrix: Water Instrument ID: NOEQUIP

Method: 2540C-2011 XRL Date: 04/01/2010 10:20

Analyte	Wavelength/ Mass	XRL (mg/L)	
Total Dissolved Solids		5	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99116-1

SDG Number: 68099116-1

Matrix: Water Instrument ID: TOC3

Method: 5310 B-2011 MDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Total Organic Carbon		1	0.5

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99116-1

SDG Number: 68099116-1

Matrix: Water Instrument ID: TOC3

Method: 5310 B-2011 XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Organic Carbon		1	0.5

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: KONELAB1 Method: 350.1

Start Date: 02/28/2014 13:45 End Date: 02/28/2014 14:13

Lab Sample ID	D / F	Type	Time	Analytes																			
IC 680-317820/1			13:45																				
IC 680-317820/2			13:45																				
IC 680-317820/3			13:45																				
IC 680-317820/4			13:45																				
IC 680-317820/5			13:45																				
IC 680-317820/6			13:45																				
IC 680-317820/7			13:45																				
IC 680-317820/8			13:45																				
ICB 680-317820/9			13:45																				
ICV 680-317820/10	1		13:45																				
ZZZZZZ			13:46																				
CCV 680-317820/12			14:10																				
ZZZZZZ			14:10																				
ZZZZZZ			14:10																				
ZZZZZZ			14:10																				
ZZZZZZ			14:10																				
ZZZZZZ			14:10																				
ZZZZZZ			14:13																				
CCB 680-317820/19			14:13																				

Prep Types

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: KONELAB1 Method: 350.1

Start Date: 03/12/2014 13:29 End Date: 03/12/2014 15:06

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
CCV 680-319360/1			13:29																				
CCB 680-319360/2			13:29																				
ZZZZZZ			13:29																				
ZZZZZZ			13:29																				
ZZZZZZ			13:29																				
CCV 680-319360/6			13:30																				
CCB 680-319360/7	1		13:30	X																			
CCV 680-319360/8	1		13:56	X																			
MB 680-319360/9	1	T	13:56	X																			
680-99116-2	1	T	13:56	X																			
680-99116-2 MS	1	T	13:56	X																			
680-99116-2 MSD	1	T	13:56	X																			
680-99116-5	1	T	13:56	X																			
CCV 680-319360/14	1		14:05	X																			
CCB 680-319360/15	1		14:05	X																			
680-99116-5 DU	1	T	14:05	X																			
ZZZZZZ			14:05																				
ZZZZZZ			14:05																				
680-99116-3	1	T	14:05	X																			
680-99116-6	1	T	14:05	X																			
ZZZZZZ			14:05																				
ZZZZZZ			14:05																				
CCV 680-319360/23	1		14:14	X																			
CCB 680-319360/24	1		14:14	X																			
680-99116-7	50	T	14:24	X																			
ZZZZZZ			14:24																				
LCS 680-319360/27	1	T	14:29	X																			
CCB 680-319360/28	1		14:29	X																			
ZZZZZZ			14:33																				
ZZZZZZ			14:33																				
CCV 680-319360/31	1		14:58	X																			
CCB 680-319360/32	1		14:58	X																			
680-99116-9	1	T	14:59	X																			
680-99116-4	200	T	14:59	X																			
680-99116-8	500	T	14:59	X																			
680-99116-1	100	T	15:03	X																			
ZZZZZZ			15:03																				
CCV 680-319360/38	1		15:06	X																			
CCB 680-319360/39	1		15:06	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: KONELAB1 Method: 350.1

Start Date: 03/14/2014 18:06 End Date: 03/15/2014 13:03

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
CCV 680-319784/1	1		18:06	X																			
CCB 680-319784/2	1		18:06	X																			
680-99116-12	1	T	18:06	X																			
680-99116-12 MS	1	T	18:06	X																			
680-99116-12 MSD	1	T	18:06	X																			
680-99116-11	1	T	18:06	X																			
680-99116-11 DU	1	T	18:06	X																			
680-99116-13	1	T	18:16	X																			
CCV 680-319784/9	1		18:16	X																			
CCB 680-319784/10	1		18:16	X																			
LCS 680-319784/11	1	T	10:52	X																			
MB 680-319784/12	1	T	10:52	X																			
680-99116-14	1	T	10:52	X																			
ZZZZZZ			10:52																				
ZZZZZZ			10:52																				
ZZZZZZ			10:52																				
ZZZZZZ			10:52																				
ZZZZZZ			10:52																				
ZZZZZZ			10:52																				
ZZZZZZ			10:52																				
ZZZZZZ			10:52																				
ZZZZZZ			10:52																				
CCV 680-319784/23	1		10:59	X																			
CCB 680-319784/24	1		10:59	X																			
ZZZZZZ			10:59																				
680-99116-10	5	T	11:09	X																			
ZZZZZZ			11:09																				
ZZZZZZ			11:09																				
ZZZZZZ			11:09																				
ZZZZZZ			11:09																				
CCV 680-319784/31	1		11:10	X																			
CCB 680-319784/32	1		11:10	X																			
CCV 680-319784/33			13:02																				
CCB 680-319784/34			13:02																				
ZZZZZZ			13:02																				
CCV 680-319784/36			13:03																				
CCB 680-319784/37			13:03																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: KONELAB2 Method: 365.1

Start Date: 01/02/2014 09:48 End Date: 01/02/2014 11:17

Lab Sample ID	D / F	Type	Time	Analytes																			
IC 680-310250/1			09:48																				
IC 680-310250/2			09:48																				
IC 680-310250/3			09:48																				
IC 680-310250/4			09:48																				
IC 680-310250/5			09:48																				
IC 680-310250/6			09:48																				
IC 680-310250/7			09:48																				
IC 680-310250/8			09:48																				
ICV 680-310250/9	1		09:48																				
ICB 680-310250/10	1		09:48																				
CCV 680-310250/11			11:16																				
CCB 680-310250/12			11:16																				
ZZZZZZ			11:16																				
ZZZZZZ			11:16																				
ZZZZZZ			11:16																				
ZZZZZZ			11:17																				
ZZZZZZ			11:17																				

Prep Types

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: KONELAB2 Method: 365.1

Start Date: 03/06/2014 14:23 End Date: 03/06/2014 15:42

Lab Sample ID	D/F	Type	Time	Analytes																			
				PO4																			
LCS 680-318579/1	1	T	14:23	X																			
MB 680-318579/2	1	T	14:23	X																			
ZZZZZZ			14:23																				
ZZZZZZ			14:23																				
ZZZZZZ			14:23																				
ZZZZZZ			14:23																				
ZZZZZZ			14:23																				
ZZZZZZ			14:23																				
ZZZZZZ			14:23																				
CCV 680-318579/10	1		14:26	X																			
CCB 680-318579/11	1		14:26	X																			
ZZZZZZ			14:26																				
ZZZZZZ			14:26																				
ZZZZZZ			14:26																				
ZZZZZZ			14:26																				
ZZZZZZ			14:26																				
ZZZZZZ			14:26																				
ZZZZZZ			14:26																				
680-99116-1	1	T	14:26	X																			
680-99116-2	1	T	14:26	X																			
680-99116-3	1	T	14:26	X																			
CCV 680-318579/22	1		14:30	X																			
CCB 680-318579/23	1		14:30	X																			
680-99116-4	1	T	14:30	X																			
680-99116-5	1	T	14:30	X																			
680-99116-6	1	T	14:30	X																			
CCV 680-318579/27	1		14:33	X																			
CCB 680-318579/28	1		14:33	X																			
CCV 680-318579/29	1		15:40	X																			
CCB 680-318579/30	1		15:40	X																			
ZZZZZZ			15:40																				
ZZZZZZ			15:40																				
ZZZZZZ			15:40																				
CCV 680-318579/34	1		15:42	X																			
CCB 680-318579/35	1		15:42	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: KONELAB2 Method: 365.1

Start Date: 03/06/2014 14:30 End Date: 03/06/2014 15:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				PO4																			
LCS 680-318580/1	1	T	14:30	X																			
MB 680-318580/2	1	T	14:30	X																			
ZZZZZZ			14:30																				
ZZZZZZ			14:30																				
ZZZZZZ			14:30																				
680-99116-7	1	T	14:30	X																			
680-99116-8	1	T	14:30	X																			
680-99116-9	1	T	14:30	X																			
680-99116-10	1	T	14:30	X																			
CCV 680-318580/10	1		14:33	X																			
CCB 680-318580/11	1		14:33	X																			
680-99116-11	1	T	14:34	X																			
680-99116-12	1	T	14:34	X																			
680-99116-13	1	T	14:34	X																			
680-99116-14	1	T	14:34	X																			
ZZZZZZ			14:34																				
ZZZZZZ			14:34																				
ZZZZZZ			14:34																				
ZZZZZZ			14:34																				
CCV 680-318580/20	1		14:34	X																			
CCB 680-318580/21	1		14:34	X																			
CCV 680-318580/22			15:57																				
CCB 680-318580/23			15:57																				
ZZZZZZ			15:57																				
CCV 680-318580/25			15:59																				
CCB 680-318580/26			15:59																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: KONELAB2 Method: 7196A

Start Date: 01/25/2014 13:18 End Date: 01/25/2014 13:38

Lab Sample ID	D / F	Type	Time	Analytes																			
IC 680-312999/1			13:18																				
IC 680-312999/2			13:18																				
IC 680-312999/3			13:18																				
IC 680-312999/4			13:18																				
IC 680-312999/5			13:18																				
IC 680-312999/6			13:18																				
IC 680-312999/7			13:18																				
ICV 680-312999/8	1		13:18																				
ICB 680-312999/9	1		13:18																				
CCV 680-312999/10			13:35																				
CCB 680-312999/11			13:35																				
ZZZZZZ			13:35																				
ZZZZZZ			13:35																				
ZZZZZZ			13:35																				
ZZZZZZ			13:35																				
ZZZZZZ			13:35																				
ZZZZZZ			13:36																				
ZZZZZZ			13:36																				
CCV 680-312999/19			13:38																				
CCB 680-312999/20			13:38																				

Prep Types

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: KONELAB2 Method: 7196A

Start Date: 03/05/2014 13:36 End Date: 03/05/2014 13:37

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
CCB 680-318428/1	1		13:36	X																			
CCV 680-318428/2	1		13:36	X																			
ZZZZZZ			13:36																				
ZZZZZZ			13:36																				
ZZZZZZ			13:36																				
680-99116-1	1	T	13:36	X																			
680-99116-2	1	T	13:36	X																			
680-99116-3	1	T	13:36	X																			
MB 680-318428/9	1	T	13:37	X																			
LCS 680-318428/10	1	T	13:37	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: NOEQUIP Method: 4500 S2 F-2011

Start Date: 03/06/2014 13:56 End Date: 03/06/2014 13:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				S2																			
MB 680-318525/1	1	T	13:56	X																			
LCS 680-318525/2	1	T	13:56	X																			
LCSD 680-318525/3	1	T	13:56	X																			
ZZZZZZ			13:56																				
ZZZZZZ			13:56																				
ZZZZZZ			13:56																				
ZZZZZZ			13:56																				
ZZZZZZ			13:56																				
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ZZZZZZ			13:56																				
ZZZZZZ			13:56																				
ZZZZZZ			13:56																				
680-99116-11	1	T	13:56	X																			
680-99116-12	1	T	13:56	X																			
680-99116-13	1	T	13:56	X																			
680-99116-14	1	T	13:56	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: NOEQUIP Method: 4500 S2 F-2011

Start Date: 03/06/2014 15:18 End Date: 03/06/2014 15:18

Lab Sample ID	D/F	Type	Time	Analytes																			
				S2																			
MB 680-318547/1	1	T	15:18	X																			
LCS 680-318547/2	1	T	15:18	X																			
LCSD 680-318547/3	1	T	15:18	X																			
680-99116-1	1	T	15:18	X																			
680-99116-1 DU	1	T	15:18	X																			
680-99116-2	1	T	15:18	X																			
680-99116-3	1	T	15:18	X																			
680-99116-4	1	T	15:18	X																			
680-99116-5	1	T	15:18	X																			
680-99116-6	1	T	15:18	X																			
680-99116-7	1	T	15:18	X																			
680-99116-8	1	T	15:18	X																			
680-99116-9	1	T	15:18	X																			
680-99116-10	1	T	15:18	X																			
ZZZZZZ			15:18																				
ZZZZZZ			15:18																				
ZZZZZZ			15:18																				
ZZZZZZ			15:18																				
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ZZZZZZ			15:18																				
ZZZZZZ			15:18																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: MANTECH Method: 2320B-2011

Start Date: 03/13/2014 13:53 End Date: 03/13/2014 14:11

Lab Sample ID	D/F	Type	Time	Analytes																			
				Alk																			
MB 680-319601/1	1	T	13:53	X																			
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
CCV 680-319601/11	1		13:53	X																			
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
680-99116-1	1	T	13:53	X																			
680-99116-2	1	T	13:53	X																			
680-99116-3	1	T	13:53	X																			
680-99116-4	1	T	13:53	X																			
680-99116-5	1	T	13:53	X																			
680-99116-5 DU	1	T	13:53	X																			
CCV 680-319601/22	1		13:53	X																			
680-99116-6	1	T	13:53	X																			
680-99116-7	1	T	13:53	X																			
680-99116-8	1	T	13:53	X																			
680-99116-9	1	T	13:53	X																			
CCV 680-319601/27	1		13:53	X																			
LCSD 680-319601/28	1	T	13:53	X																			
LCS 680-319601/2	1	T	13:59	X																			
ZZZZZZ			14:11																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: MANTECH Method: 2320B-2011

Start Date: 03/14/2014 12:29 End Date: 03/14/2014 16:22

Lab Sample ID	D/F	Type	Time	Analytes																			
				Alk																			
ZZZZZZ			12:29																				
ZZZZZZ			12:35																				
ZZZZZZ			12:47																				
ZZZZZZ			12:53																				
MB 680-319740/5	1	T	12:59	X																			
LCS 680-319740/6	1	T	13:06	X																			
680-99116-10	1	T	13:13	X																			
680-99116-11	1	T	13:19	X																			
680-99116-12	1	T	13:28	X																			
680-99116-13	1	T	13:34	X																			
680-99116-14	1	T	13:41	X																			
ZZZZZZ			13:48																				
ZZZZZZ			13:55																				
ZZZZZZ			14:04																				
ZZZZZZ			14:07																				
ZZZZZZ			14:13																				
ZZZZZZ			14:20																				
ZZZZZZ			14:28																				
ZZZZZZ			14:37																				
ZZZZZZ			14:45																				
ZZZZZZ			14:54																				
ZZZZZZ			15:06																				
ZZZZZZ			15:13																				
ZZZZZZ			15:19																				
ZZZZZZ			15:26																				
CCV 680-319740/26	1		15:30	X																			
ZZZZZZ			15:38																				
ZZZZZZ			15:46																				
ZZZZZZ			16:00																				
ZZZZZZ			16:09																				
CCV 680-319740/31	1		16:13	X																			
LCSD 680-319740/32	1	T	16:22	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: NOEQUIP Method: 2540C-2011

Start Date: 03/11/2014 07:18 End Date: 03/11/2014 07:18

Lab Sample ID	D/F	Type	Time	Analytes																			
				TDS																			
MB 680-319027/1	1	T	07:18	X																			
LCS 680-319027/2	1	T	07:18	X																			
LCSD 680-319027/3	1	T	07:18	X																			
680-99116-6	1	T	07:18	X																			
680-99116-6 DU	1	T	07:18	X																			
680-99116-12	1	T	07:18	X																			
680-99116-1	1	T	07:18	X																			
680-99116-10	1	T	07:18	X																			
680-99116-4	1	T	07:18	X																			
680-99116-7	1	T	07:18	X																			
680-99116-9	1	T	07:18	X																			
680-99116-5	1	T	07:18	X																			
680-99116-8	1	T	07:18	X																			
680-99116-13	1	T	07:18	X																			
680-99116-11	1	T	07:18	X																			
680-99116-14	1	T	07:18	X																			
680-99116-2	1	T	07:18	X																			
680-99116-3	1	T	07:18	X																			
ZZZZZZ			07:18																				
ZZZZZZ			07:18																				
ZZZZZZ			07:18																				
ZZZZZZ			07:18																				
ZZZZZZ			07:18																				
ZZZZZZ			07:18																				
ZZZZZZ			07:18																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 03/05/2014 08:48 End Date: 03/05/2014 11:57

Lab Sample ID	D / F	Type	Time	Analytes																			
ICV 680-318406/1	1		08:48																				
ICB 680-318406/2			09:04																				
ZZZZZZ			09:25																				
ZZZZZZ			09:48																				
ZZZZZZ			10:03																				
ZZZZZZ			10:14																				
ZZZZZZ			10:31																				
CCV 680-318406/8			11:40																				
ZZZZZZ			11:57																				

Prep Types

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 03/12/2014 16:47 End Date: 03/13/2014 14:58

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC																			
ZZZZZZ			16:47																				
ZZZZZZ			17:03																				
ZZZZZZ			17:18																				
ZZZZZZ			17:36																				
ZZZZZZ			17:52																				
ZZZZZZ			18:09																				
ZZZZZZ			18:26																				
ZZZZZZ			18:43																				
ZZZZZZ			18:58																				
ZZZZZZ			19:13																				
ZZZZZZ			19:32																				
ZZZZZZ			19:51																				
ZZZZZZ			20:06																				
ZZZZZZ			20:22																				
ZZZZZZ			20:43																				
ZZZZZZ			20:57																				
ZZZZZZ			21:12																				
ZZZZZZ			21:35																				
ZZZZZZ			21:51																				
ZZZZZZ			22:07																				
ZZZZZZ			22:22																				
ZZZZZZ			22:36																				
ZZZZZZ			22:51																				
ZZZZZZ			23:05																				
ZZZZZZ			23:20																				
ZZZZZZ			23:36																				
ZZZZZZ			23:53																				
ZZZZZZ			00:05																				
ZZZZZZ			00:24																				
ZZZZZZ			00:38																				
ZZZZZZ			00:53																				
ZZZZZZ			01:07																				
ZZZZZZ			01:27																				
ZZZZZZ			01:42																				
ZZZZZZ			01:56																				
ZZZZZZ			02:12																				
CCV 680-319535/37	1		02:27	X																			
MB 680-319535/38	1	T	02:41	X																			
ZZZZZZ			02:58																				
ZZZZZZ			03:14																				
ZZZZZZ			03:33																				
ZZZZZZ			03:49																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 03/12/2014 16:47 End Date: 03/13/2014 14:58

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC																			
ZZZZZZ			04:03																				
LCS 680-319535/44	1	T	04:17	X																			
ZZZZZZ			04:34																				
ZZZZZZ			04:48																				
ZZZZZZ			04:59																				
ZZZZZZ			05:15																				
CCV 680-319535/49	1		05:30	X																			
CCB 680-319535/50	1		05:48	X																			
680-99116-1	1	T	06:02	X																			
680-99116-1 DU	1	T	06:13	X																			
680-99116-2	1	T	06:32	X																			
680-99116-3	1	T	06:48	X																			
680-99116-4	1	T	07:02	X																			
680-99116-5	1	T	07:19	X																			
680-99116-6	1	T	07:37	X																			
680-99116-7	1	T	07:51	X																			
680-99116-8	1	T	08:08	X																			
680-99116-9	1	T	08:26	X																			
CCV 680-319535/61	1		08:45	X																			
CCB 680-319535/62	1		08:59	X																			
680-99116-10	1	T	09:23	X																			
680-99116-11	1	T	09:37	X																			
680-99116-12	1	T	09:54	X																			
680-99116-13	1	T	10:10	X																			
680-99116-14	1	T	10:24	X																			
ZZZZZZ			10:39																				
ZZZZZZ			10:53																				
ZZZZZZ			11:04																				
ZZZZZZ			11:25																				
ZZZZZZ			11:39																				
CCV 680-319535/73	1		11:56	X																			
CCB 680-319535/74	1		12:12	X																			
ZZZZZZ			12:31																				
ZZZZZZ			12:45																				
ZZZZZZ			13:00																				
ZZZZZZ			13:16																				
ZZZZZZ			13:29																				
ZZZZZZ			13:44																				
ZZZZZZ			13:59																				
ZZZZZZ			14:14																				
ZZZZZZ			14:29																				
CCV 680-319535/84			14:44																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 03/12/2014 16:47 End Date: 03/13/2014 14:58

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC																			
CCB 680-319535/85			14:58																				

Prep Types

T = Total/NA

TestAmerica Savannah
Konelab 1

Date : 2/28/2014
Time : 14:17

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
CCV-NH3	1.0519	0.274	2/27/2014 19:02		0.004
CCB-NH3	0.0193	0.013	2/27/2014 19:02		0.004
MB 317687/2-A	0.0194	0.013	2/27/2014 19:02		0.004
98892G1A	0.0697	0.026	2/27/2014 19:02		0.004
98892G1B MS	0.7827	0.206	2/27/2014 19:02		0.004
98892G1C MSD	0.7198	0.190	2/27/2014 19:02		0.004
640-46939D1	0.2492	0.071	2/27/2014 19:02		0.004
640-46939D1 MS	1.2624	0.327	2/27/2014 19:02		0.004
640-46939D1 MSD	1.2544	0.325	2/27/2014 19:02		0.004
CCV-NH3	1.0488	0.273	2/27/2014 19:11		0.004
CCB-NH3	0.0180	0.013	2/27/2014 19:11		0.004
CCV-NH3	1.0577	0.276	2/27/2014 19:40		0.004
CCB-NH3	0.0175	0.013	2/27/2014 19:40		0.004
660-59321D4	0.0390	0.018	2/27/2014 19:40		0.004
660-59321D6	0.0484	0.020	2/27/2014 19:40		0.004
660-59323C1	0.1079	0.035	2/27/2014 19:40		0.005
660-59331A1	0.1269	0.040	2/27/2014 19:40		0.211
98896T1	0.2242	0.065	2/27/2014 19:40		0.004
98897G1	0.3152	0.088	2/27/2014 19:40		0.005
98923A3	0.0471	0.020	2/27/2014 19:40		0.006
98923A4	0.0344	0.017	2/27/2014 19:40		0.006
98923A5	0.1085	0.036	2/27/2014 19:40		0.009
98923A6	0.3584	0.099	2/27/2014 19:40		0.008
CCV-NH3	1.0456	0.272	2/27/2014 19:47		0.004
CCB-NH3	0.0113	0.011	2/27/2014 19:47		0.004
98923A7	0.0722	0.026	2/27/2014 19:47		0.004
CCV-NH3	1.0571	0.275	2/27/2014 19:48		0.004
CCB-NH3	0.0135	0.012	2/27/2014 19:49		0.005
CCV-NH3	1.0978	0.286	2/28/2014 11:15		0.000
CCB-NH3	0.0117	0.011	2/28/2014 11:15		0.001
640-46978G8 500	_____	-	-		-
640-46978H5	_____	-	-	1+19.0	-
640-46978G9	_____	-	-	1+19.0	-
640-46978G15	_____	-	-	1+19.0	-
98962B1	_____	-	-	1+1.0	-
640-46978H10	_____	-	-	1+4.0	-
640-46978H13	_____	-	-	1+4.0	-
640-46978G15 DU	_____	-	-	1+19.0	-
640-46978H14 200	_____	-	-	1+1.0	-
46978H14 MS 200	_____	-	-	1+1.0	-
46978H14 MSD 200	_____	-	-	1+1.0	-
ICB NH3	0.0224	0.015	2/28/2014 13:45		0.000
ICV NH3	1.0256	0.294	2/28/2014 13:46		0.000
LCS-NH3	0.9998	0.287	2/28/2014 13:46		0.001
CCV-NH3	0.9933	0.285	2/28/2014 14:10		0.001
CCB-NH3	0.0035	0.010	2/28/2014 14:10		0.001
660-59382D1	0.0204	0.015	2/28/2014 14:10		0.002
660-59382D1 MS	1.3704	0.390	2/28/2014 14:10		0.002
660-59382D1 MSD	1.3623	0.388	2/28/2014 14:10		0.002
640-46869A5	0.0228	0.016	2/28/2014 14:10		0.001
640-46869A6	0.0277	0.017	2/28/2014 14:10		0.001
CCV-NH3	0.9941	0.286	2/28/2014 14:13		0.001
CCB-NH3	0.0052	0.011	2/28/2014 14:13		0.001
LCS 317687/1-A	_____	-	-		-
660-59326B4A	_____	-	-		-
640-46941F4	_____	-	-		-

TestAmerica Savannah
Konelab 1

Date : 2/28/2014
Time : 14:17

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
640-46938A2	_____	-	-		-
640-46939D2	_____	-	-		-
640-46941F1	_____	-	-		-
640-46941F2	_____	-	-		-
640-46941F3	_____	-	-		-
640-46978G2	_____	-	-		-
640-46978G3	_____	-	-		-
98971A1A	_____	-	-		-
640-46978H1	_____	-	-		-
640-46978H4	_____	-	-		-
640-46978H6	_____	-	-		-
640-46978G7	_____	-	-		-
660-59321D5	_____	-	-		-
640-46978G12	_____	-	-		-
660-59320A1	_____	-	-		-
660-59321D1	_____	-	-		-
660-59321D2	_____	-	-		-
660-59321D3	_____	-	-		-
98944B2	_____	-	-		-
640-46978H1 DU	_____	-	-		-
640-46978G11	_____	-	-		-
CCB-NH3	_____	-	-		-
CCV-NH3	_____	-	-		-

TestAmerica Savannah
Konelab 1

2/28/2014 14:17

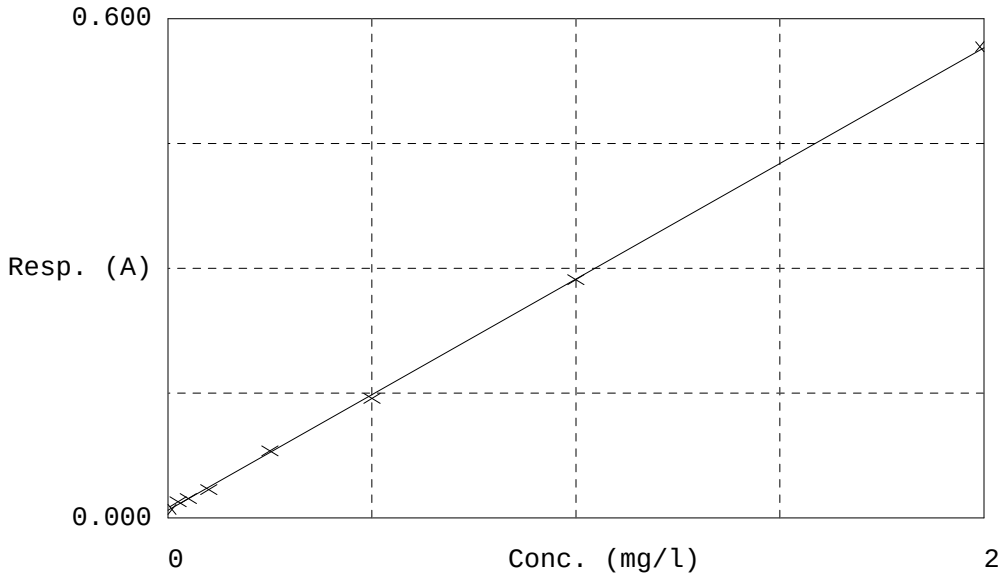
Test Ammonia

Accepted 2/28/2014 13:47

Factor 3.597
Bias 0.009

Coeff. of det. 0.999822

Errors QC rule violated



	Calibrator	Response	Calc. con.	Conc.	Errors
1	NH3-0	0.010	0.00402	0.00000	
2	NH3-0.025	0.019	0.03666	0.02500	
3	NH3-0.050	0.023	0.05102	0.05000	
4	NH3-0.10	0.034	0.08953	0.10000	
5	NH3-0.25	0.081	0.25774	0.25000	
6	NH3-0.50	0.144	0.48409	0.50000	
7	NH3-1.0	0.286	0.99715	1.00000	
8	NH3-2.0	0.567	2.00479	2.00000	
9	ICB NH3(control	0.015	0.02237	0.00000	Test limit low
10	ICV NH3(control	0.294	1.02558	1.00000	
11	LCS-NH3(control	0.287	0.99982	1.00000	

TestAmerica Savannah
Konelab 1

2/28/2014 14:17

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
CCV-NH3	1.0519	0.0	0.274	
CCB-NH3	0.0193	0.0	0.013	Test limit low
LCS 317687/1-A	0.7456	0.0	0.197	
MB 317687/2-A	0.0194	0.0	0.013	Test limit low
98892G1A	0.0697	0.0	0.026	
98892G1B MS	0.7827	0.0	0.206	
98892G1C MSD	0.7198	0.0	0.190	
660-59326B4A	0.0997	0.0	0.033	
98971A1A	4.6367	0.0	1.180	
640-46939D1	0.2492	0.0	0.071	
640-46939D1 MS	1.2624	0.0	0.327	
640-46939D1 MSD	1.2544	0.0	0.325	
CCV-NH3	1.0488	0.0	0.273	
CCB-NH3	0.0180	0.0	0.013	Test limit low
640-46978H1	3.5349	0.0	0.902	
640-46978H1 DU	3.4859	0.0	0.889	
640-46941F4	0.0690	0.0	0.026	
640-46938A2	0.0769	0.0	0.028	
640-46939D2	0.5643	0.0	0.151	
640-46941F1	0.0496	0.0	0.021	
640-46941F2	0.0453	0.0	0.020	
640-46941F3	0.0814	0.0	0.029	
640-46978G2	0.0313	0.0	0.016	
640-46978G3	0.0254	0.0	0.014	Test limit low
CCV-NH3	1.0693	0.0	0.278	
CCB-NH3	0.0426	0.0	0.019	Rule 1 violated
640-46978H4	0.1846	0.0	0.055	
640-46978H5	14.8558	0.0	3.764	
640-46978H6	0.4793	0.0	0.129	
640-46978G7	1.6672	0.0	0.430	
640-46978G8	39.6922	0.0	10.043	Abs. high
640-46978G9	15.2374	0.0	3.861	
640-46978H10	5.7489	0.0	1.462	
640-46978G11	3.5065	0.0	0.895	
640-46978G12	1.1993	0.0	0.311	
640-46978H13	8.5687	0.0	2.174	
CCV-NH3	1.1787	0.0	0.306	Rule 1 violated
CCB-NH3	0.5378	0.0	0.144	Rule 1 violated
640-46978H14	39.6904	0.0	10.043	Abs. high
640-46978H14 MS	39.6904	0.0	10.043	Abs. high
640-46978H14 MSD	39.6907	0.0	10.043	Abs. high
640-46978G15	13.4956	0.0	3.420	
640-46978G15 DU	13.1169	0.0	3.324	
660-59321D5	0.2352	0.0	0.068	
660-59320A1	0.1935	0.0	0.057	
660-59321D1	0.2762	0.0	0.078	
660-59321D2	0.1207	0.0	0.039	
660-59321D3	0.1433	0.0	0.044	
CCV-NH3	1.0577	0.0	0.276	
CCB-NH3	0.0175	0.0	0.013	Test limit low
660-59321D4	0.0390	0.0	0.018	
660-59321D6	0.0484	0.0	0.020	
660-59323C1	0.1079	0.0	0.035	
660-59331A1	0.1269	0.0	0.040	
98896T1	0.2242	0.0	0.065	
98897G1	0.3152	0.0	0.088	
98923A3	0.0471	0.0	0.020	
98923A4	0.0344	0.0	0.017	

TestAmerica Savannah
Konelab 1

2/28/2014 14:17

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
98923A5	0.1085	0.0	0.036	
98923A6	0.3584	0.0	0.099	
CCV-NH3	1.0456	0.0	0.272	
CCB-NH3	0.0113	0.0	0.011	Test limit low
98923A7	0.0722	0.0	0.026	
98944B2	0.1228	0.0	0.039	
98962B1	4.7511	0.0	1.209	
CCV-NH3	1.0571	0.0	0.275	
CCB-NH3	0.0135	0.0	0.012	Test limit low
CCV-NH3	1.1329	0.0	0.295	Blank resp. low, Rule 1 v
CCB-NH3	0.0269	0.0	0.015	Blank resp. low, Rule 1 v
LCS 317687/1-A	1.1221	0.0	0.292	Blank resp. low
660-59326B4A	0.1492	0.0	0.046	Blank resp. low
640-46941F4	0.4698	0.0	0.127	Blank resp. low
640-46938A2	0.2158	0.0	0.063	Blank resp. low
640-46939D2	1.4012	0.0	0.362	
640-46941F1	0.6589	0.0	0.175	
640-46941F2	0.8047	0.0	0.212	
640-46941F3	1.3569	0.0	0.351	
640-46978G2	0.2091	0.0	0.061	
640-46978G3	0.2209	0.0	0.064	
CCV-NH3	1.1243	0.0	0.292	Blank resp. low, Rule 1 v
CCB-NH3	0.0274	0.0	0.015	Blank resp. low, Rule 1 v
640-46978H4	0.3486	0.0	0.096	
640-46978H6	0.6541	0.0	0.173	Blank resp. low
640-46978G7	1.0857	0.0	0.283	
640-46978G12	1.0432	0.0	0.272	
660-59321D5	0.2935	0.0	0.082	Blank resp. low
660-59320A1	0.3340	0.0	0.093	
660-59321D1	0.1326	0.0	0.042	Blank resp. low
660-59321D2	0.3919	0.0	0.107	Blank resp. low
660-59321D3	0.8239	0.0	0.216	Blank resp. low
98944B2	0.5366	0.0	0.144	Blank resp. low
CCB-NH3	-	0.0	-	Aut. rejected, Batch inco
CCV-NH3	-	0.0	-	Aut. rejected, Batch inco
LCS 317687/1-A	1.1107	0.0	0.289	
660-59326B4A	0.1517	0.0	0.046	
640-46941F4	0.4724	0.0	0.128	Blank resp. low
640-46938A2	0.2116	0.0	0.062	
640-46939D2	1.3946	0.0	0.361	
640-46941F1	0.6603	0.0	0.175	
640-46941F2	0.8030	0.0	0.211	
640-46941F3	1.3556	0.0	0.351	
640-46978G2	0.2132	0.0	0.062	
640-46978G3	0.2278	0.0	0.066	
640-46978H4	0.3450	0.0	0.095	
640-46978H6	0.6439	0.0	0.171	Blank resp. low
640-46978G7	1.0797	0.0	0.281	
640-46978G12	1.0398	0.0	0.271	
660-59321D5	0.2931	0.0	0.082	
660-59320A1	0.3379	0.0	0.094	
660-59321D1	0.1326	0.0	0.042	Blank resp. low
660-59321D2	0.3955	0.0	0.108	Blank resp. low
660-59321D3	0.8339	0.0	0.219	Blank resp. low
98944B2	0.5391	0.0	0.144	
CCV-NH3	1.1091	0.0	0.288	Rule 1 violated
CCB-NH3	0.0130	0.0	0.011	Test limit low
640-46978H1	1.3845	1.0	0.183	

TestAmerica Savannah
Konelab 1

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Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
640-46978H1 DU	1.3628	1.0	0.180	
640-46978H14 MSD	222.9187	49.0	1.135	
98962B1	2.4526	4.0	0.132	
98971A1A	0.7658	4.0	0.047	Blank resp. low
640-46978H5	19.5276	9.0	0.502	Blank resp. low
640-46978G8	700.6495	49.0	3.551	Blank resp. low
640-46978H10	5.9466	4.0	0.309	Blank resp. low
640-46978G11	1.1992	1.0	0.160	
640-46978H13	5.8761	4.0	0.305	
CCV-NH3	1.1201	0.0	0.291	Rule 1 violated
CCB-NH3	0.0231	0.0	0.014	Test limit low
640-46978G9	19.9032	9.0	0.511	
640-46978H14	221.7091	49.0	1.129	
640-46978H14 MS	224.4489	49.0	1.143	
640-46978G15	19.4185	9.0	0.499	
640-46978G15 DU	19.3568	9.0	0.497	
CCV-NH3	1.0978	0.0	0.286	
CCB-NH3	0.0117	0.0	0.011	Test limit low
CCV-NH3	1.1153	0.0	0.290	Rule 1 violated
CCB-NH3	0.0138	0.0	0.012	Test limit low
LCS 317687/1-A	1.1489	0.0	0.299	
660-59326B4A	0.1677	0.0	0.050	
640-46941F4	0.0153	0.0	0.012	Test limit low
640-46938A2	0.2219	0.0	0.064	
640-46939D2	1.4126	0.0	0.365	
640-46941F1	0.6883	0.0	0.182	
640-46941F2	0.8407	0.0	0.221	
640-46941F3	1.3810	0.0	0.357	
640-46978G2	0.2332	0.0	0.067	
640-46978G3	0.2468	0.0	0.070	
CCB-NH3	-	0.0	-	Aut. rejected, Batch inco
CCV-NH3	-	0.0	-	Aut. rejected, Batch inco
CCV-NH3	-	0.0	-	Aut. rejected, Batch inco
CCB-NH3	-	0.0	-	Aut. rejected, Batch inco
98971A1A	0.7035	0.0	0.186	
640-46978H1	1.4773	0.0	0.382	
640-46978H4	0.3817	0.0	0.105	
640-46978H6	0.7058	0.0	0.187	
640-46978G7	1.1299	0.0	0.294	
640-46978G12	1.0567	0.0	0.275	
660-59321D5	0.0367	0.0	0.017	
660-59320A1	0.3519	0.0	0.097	
660-59321D1	0.1583	0.0	0.048	
660-59321D2	0.4390	0.0	0.119	
660-59321D3	0.8610	0.0	0.226	
98944B2	0.5715	0.0	0.153	
640-46978H1 DU	1.4328	0.0	0.370	
640-46978G11	1.2560	0.0	0.326	
640-46978H14 200	183.2876	0.0	0.240	
46978H14 MS 200	425.9779	0.0	0.547	
46978H14 MSD 200	413.1869	0.0	0.530	
640-46978G8 500	732.2870	0.0	0.378	
LCS 317687/1-A	1.1277	0.0	0.293	
660-59326B4A	0.1799	0.0	0.054	
640-46941F4	0.0206	0.0	0.013	Test limit low
640-46938A2	0.2308	0.0	0.066	
640-46939D2	1.4281	0.0	0.369	
640-46941F1	0.7064	0.0	0.187	

TestAmerica Savannah
Konelab 1

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Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
640-46941F2	0.8686	0.0	0.228	
640-46941F3	1.4303	0.0	0.370	
640-46978G2	0.2466	0.0	0.070	
640-46978G3	0.2627	0.0	0.074	
98971A1A	0.7048	0.0	0.186	
640-46978H1	1.4710	0.0	0.380	
640-46978H4	0.3843	0.0	0.105	
640-46978H6	0.6987	0.0	0.185	
640-46978G7	1.1295	0.0	0.294	
640-46978G12	1.0650	0.0	0.277	
660-59321D5	0.0499	0.0	0.021	
660-59320A1	0.3554	0.0	0.098	
660-59321D1	0.1620	0.0	0.049	
660-59321D2	0.4465	0.0	0.121	
660-59321D3	0.8660	0.0	0.227	
98944B2	0.5710	0.0	0.152	
640-46978H1 DU	1.4242	0.0	0.368	
640-46978G11	1.2467	0.0	0.323	
640-46978G8 500	729.7138	0.0	0.377	
CCV-NH3	1.1571	0.0	0.301	Rule 1 violated
CCB-NH3	0.0486	0.0	0.020	Rule 1 violated
640-46978H5	19.5199	19.0	0.255	
640-46978G9	20.3679	19.0	0.266	
640-46978G15	19.6088	19.0	0.256	
98962B1	2.2666	1.0	0.295	
640-46978H10	5.4427	4.0	0.283	
640-46978H13	6.0180	4.0	0.312	
640-46978G15 DU	19.5983	19.0	0.256	
640-46978H14 200	186.4873	1.0	0.126	
46978H14 MS 200	410.0559	1.0	0.267	
46978H14 MSD 200	414.5773	1.0	0.270	
CCV-NH3	1.1630	0.0	0.302	Rule 1 violated
CCB-NH3	0.0529	0.0	0.021	Rule 1 violated
ICB NH3	0.0224	0.0	0.015	Test limit low
ICV NH3	1.0256	0.0	0.294	
LCS-NH3	0.9998	0.0	0.287	
CCV-NH3	0.9933	0.0	0.285	
CCB-NH3	0.0035	0.0	0.010	Test limit low
660-59382D1	0.0204	0.0	0.015	Test limit low
660-59382D1 MS	1.3704	0.0	0.390	
660-59382D1 MSD	1.3623	0.0	0.388	
640-46869A5	0.0228	0.0	0.016	Test limit low
640-46869A6	0.0277	0.0	0.017	
CCV-NH3	0.9941	0.0	0.286	
CCB-NH3	0.0052	0.0	0.011	Test limit low
LCS 317687/1-A	-	0.0	-	
660-59326B4A	-	0.0	-	
640-46941F4	-	0.0	-	
640-46938A2	-	0.0	-	
640-46939D2	-	0.0	-	
640-46941F1	-	0.0	-	
640-46941F2	-	0.0	-	
640-46941F3	-	0.0	-	
640-46978G2	-	0.0	-	
640-46978G3	-	0.0	-	
98971A1A	-	0.0	-	
640-46978H1	-	0.0	-	
640-46978H4	-	0.0	-	

TestAmerica Savannah
Konelab 1

2/28/2014 14:17

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
640-46978H6	-	0.0	-	
640-46978G7	-	0.0	-	
660-59321D5	-	0.0	-	
640-46978G12	-	0.0	-	
660-59320A1	-	0.0	-	
660-59321D1	-	0.0	-	
660-59321D2	-	0.0	-	
660-59321D3	-	0.0	-	
98944B2	-	0.0	-	
640-46978H1 DU	-	0.0	-	
640-46978G11	-	0.0	-	
CCB-NH3	-	0.0	-	
CCV-NH3	-	0.0	-	

N	176
Mean	30.5600
SD	115.03236
CV%	376.41

TestAmerica Savannah
Konelab 1

Date : 3/12/2014
Time : 15:31

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
CCV-NH3	1.0450	0.300	3/12/2014 9:14		0.000
CCB-NH3	0.0265	0.017	3/12/2014 9:14		0.000
CCV-NH3	1.0410	0.299	3/12/2014 9:15		0.000
CCB-NH3	0.0249	0.016	3/12/2014 9:15		0.000
CCV-NH3	1.0748	0.308	3/12/2014 9:37		0.000
CCB-NH3	0.0309	0.018	3/12/2014 9:37		0.000
660-59458A1	0.0177	0.014	3/12/2014 9:37		0.000
99108-E-2 1K	973.3539	0.145	3/12/2014 9:41	1+1.0	0.000
99108-E-2 MS 1K	2e+003	0.287	3/12/2014 9:41	1+1.0	0.001
99108-E-2 MSD 1K	2e+003	0.286	3/12/2014 9:42	1+1.0	0.000
CCV-NH3	1.0816	0.310	3/12/2014 9:44		0.002
CCB-NH3	0.0380	0.020	3/12/2014 9:45		0.001
CCV-NH3	1.0497	0.301	3/12/2014 13:11		0.001
CCB-NH3	0.0227	0.016	3/12/2014 13:11		0.001
CCV-NH3	1.0471	0.300	3/12/2014 13:29		0.001
CCB-NH3	0.0233	0.016	3/12/2014 13:29		0.001
99221D2	0.7629	0.221	3/12/2014 13:29		0.001
99226-E-2	0.1302	0.045	3/12/2014 13:29		0.002
99229-E-1	0.1154	0.041	3/12/2014 13:29		0.002
CCV-NH3	1.0348	0.297	3/12/2014 13:30		0.001
CCB-NH3	0.0199	0.015	3/12/2014 13:30		0.001
CCV-NH3	1.0507	0.301	3/12/2014 13:56		0.001
CCB-NH3	0.0155	0.014	3/12/2014 13:56		0.001
LCS 319299/1-A	1.0589	0.304	3/12/2014 13:56		0.001
640-47094H1A	0.1139	0.041	3/12/2014 13:56		0.001
660-59558B4A	0.2289	0.073	3/12/2014 13:56		0.001
99308D1A	0.1852	0.061	3/12/2014 13:56		0.001
99308D2A	0.1352	0.047	3/12/2014 13:56		0.001
99116C2	0.1161	0.042	3/12/2014 13:56		0.003
99116C2 MS	1.2203	0.349	3/12/2014 13:56		0.003
99116C2 MSD	1.2237	0.349	3/12/2014 13:56		0.003
99116C5	0.5085	0.151	3/12/2014 13:56		0.002
CCV-NH3	1.0473	0.300	3/12/2014 14:05		0.001
CCB-NH3	0.0178	0.014	3/12/2014 14:05		0.002
99116C5 DU	0.5081	0.151	3/12/2014 14:05		0.006
660-59497A1	0.2580	0.081	3/12/2014 14:05		0.272
99111C8	0.0966	0.036	3/12/2014 14:05		0.005
99116C3	0.2770	0.086	3/12/2014 14:05		0.004
99116C6	0.1031	0.038	3/12/2014 14:05		0.008
99128B2	0.1581	0.053	3/12/2014 14:05		0.006
99219C2	0.1828	0.060	3/12/2014 14:05		0.031
640-47092C1A	73.0658	0.415	3/12/2014 14:14	1+49.0	0.001
640-47092C1B MS	74.7300	0.425	3/12/2014 14:14	1+49.0	0.001
640-47092C1C MSD	71.8075	0.409	3/12/2014 14:14	1+49.0	0.001
CCV-NH3	1.0594	0.304	3/12/2014 14:14		0.001
CCB-NH3	0.0200	0.015	3/12/2014 14:14		0.001
99308-E-3-A	3.1900	0.453	3/12/2014 14:14	1+1.0	0.001
99116C7	86.5624	0.491	3/12/2014 14:24	1+49.0	0.002
99211A1	13.4092	0.382	3/12/2014 14:24	1+9.0	0.004
CCV-NH3	1.0089	0.290	3/12/2014 14:29		0.001
CCB-NH3	0.0342	0.019	3/12/2014 14:29		0.001
99211A3	6.8681	0.391	3/12/2014 14:33	1+4.0	0.008
99221D1	10.7225	0.307	3/12/2014 14:33	1+9.0	0.001
CCV-NH3	1.0549	0.303	3/12/2014 14:58		0.001
CCB-NH3	0.0217	0.015	3/12/2014 14:58		0.001
MB 319299/2-A	0.0194	0.015	3/12/2014 14:58		0.001

TestAmerica Savannah
Konelab 1

Date : 3/12/2014
Time : 15:31

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
99116C9	0.2043	0.066	3/12/2014 14:59		0.001
99116C4 200	272.4195	0.388	3/12/2014 14:59		0.001
99116C8 500	672.5290	0.383	3/12/2014 14:59		0.001
99116C1	137.1749	0.391	3/12/2014 15:03	1+99.0	0.001
99211A2	10.1623	0.292	3/12/2014 15:03	1+9.0	0.005
CCV-NH3	1.0447	0.300	3/12/2014 15:06		0.001
CCB-NH3	0.0159	0.014	3/12/2014 15:06		0.001

TestAmerica Savannah
Konelab 1

3/12/2014 15:31

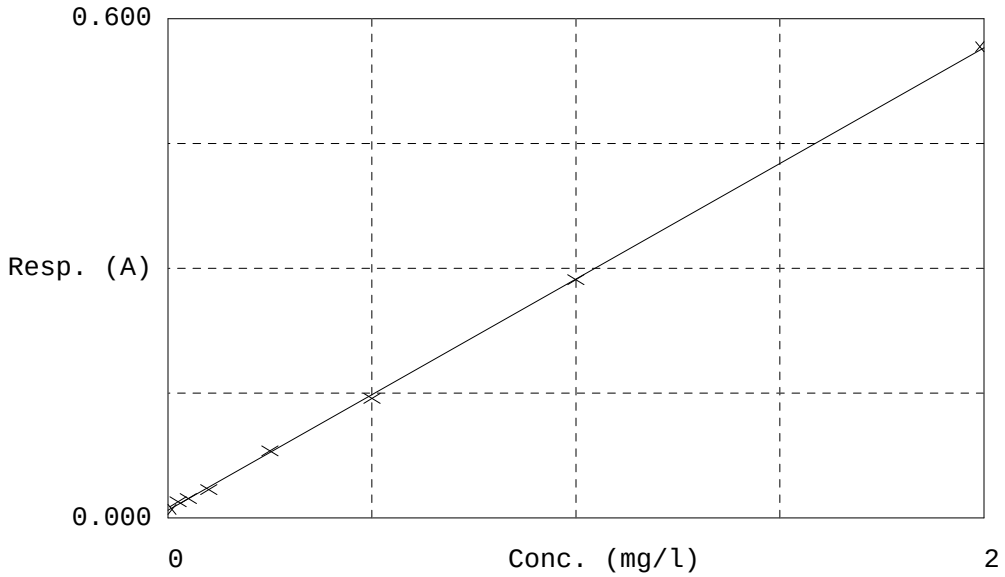
Test Ammonia

Accepted 2/28/2014 13:47

Factor 3.597
Bias 0.009

Coeff. of det. 0.999822

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	NH3-0	0.010	0.00402	0.00000	
2	NH3-0.025	0.019	0.03666	0.02500	
3	NH3-0.050	0.023	0.05102	0.05000	
4	NH3-0.10	0.034	0.08953	0.10000	
5	NH3-0.25	0.081	0.25774	0.25000	
6	NH3-0.50	0.144	0.48409	0.50000	
7	NH3-1.0	0.286	0.99715	1.00000	
8	NH3-2.0	0.567	2.00479	2.00000	

TestAmerica Savannah
Konelab 1

3/12/2014 15:31

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
CCV-NH3	1.0450	0.0	0.300	
CCB-NH3	0.0265	0.0	0.017	Rule 1 violated
99108-E-2 1K	1004.1380	0.0	0.288	
99108-E-2 MS 1K	2097.4766	0.0	0.592	
99108-E-2 MSD 1K	2110.0305	0.0	0.596	
CCV-NH3	1.0410	0.0	0.299	
CCB-NH3	0.0249	0.0	0.016	Test limit low
CCV-NH3	1.0748	0.0	0.308	
CCB-NH3	0.0309	0.0	0.018	Rule 1 violated
660-59458A1	0.0177	0.0	0.014	Test limit low
99108-E-2 1K	973.3539	1.0	0.145	
99108-E-2 MS 1K	2000.0751	1.0	0.287	
99108-E-2 MSD 1K	1992.8491	1.0	0.286	
CCV-NH3	1.0816	0.0	0.310	
CCB-NH3	0.0380	0.0	0.020	Rule 1 violated
CCV-NH3	1.0553	0.0	0.303	
CCB-NH3	0.0338	0.0	0.019	Rule 1 violated
LCS 319299/1-A	1.0701	0.0	0.307	
MB 319299/2-A	0.2024	0.0	0.066	
640-47092C1A	36.1087	0.0	10.047	Abs. high
640-47092C1B MS	36.1088	0.0	10.047	Abs. high
640-47092C1C MSD	36.1085	0.0	10.047	Abs. high
640-47094H1A	0.3748	0.0	0.113	
660-59558B4A	0.2494	0.0	0.079	
99308D1A	0.2264	0.0	0.072	
99308D2A	0.1298	0.0	0.045	
99308-E-3-A	3.1302	0.0	0.879	
CCV-NH3	1.0497	0.0	0.301	
CCB-NH3	0.0227	0.0	0.016	Test limit low
99116C2	0.1018	0.0	0.038	
99116C2 MS	1.2307	0.0	0.351	
99116C2 MSD	1.2352	0.0	0.353	
99116C5	0.5732	0.0	0.169	
99116C5 DU	0.5786	0.0	0.170	
660-59497A1	0.2466	0.0	0.078	
99111C8	0.3972	0.0	0.120	
99116C1	36.1080	0.0	10.047	Abs. high
99116C3	1.7268	0.0	0.489	
99116C4	36.1010	0.0	10.045	Abs. high
CCV-NH3	1.1061	0.0	0.317	Rule 1 violated
CCB-NH3	0.1061	0.0	0.039	Rule 1 violated
99116C6	0.5097	0.0	0.151	
99116C7	36.1067	0.0	10.046	Abs. high
99116C8	36.1028	0.0	10.045	Abs. high
99116C9	2.3676	0.0	0.667	
99128B2	0.6729	0.0	0.196	
99211A1	11.0642	0.0	3.085	
99211A2	8.6493	0.0	2.414	
99211A3	6.4969	0.0	1.815	
99219C2	0.1939	0.0	0.063	
99221D1	10.3673	0.0	2.891	
CCV-NH3	1.0471	0.0	0.300	
CCB-NH3	0.0233	0.0	0.016	Test limit low
99221D2	0.7629	0.0	0.221	
99226-E-2	0.1302	0.0	0.045	
99229-E-1	0.1154	0.0	0.041	
CCV-NH3	1.0348	0.0	0.297	
CCB-NH3	0.0199	0.0	0.015	Test limit low

TestAmerica Savannah
Konelab 1

3/12/2014 15:31

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
CCV-NH3	1.0507	0.0	0.301	
CCB-NH3	0.0155	0.0	0.014	Test limit low
LCS 319299/1-A	1.0589	0.0	0.304	
MB 319299/2-A	0.0798	0.0	0.031	
640-47094H1A	0.1139	0.0	0.041	
660-59558B4A	0.2289	0.0	0.073	
99308D1A	0.1852	0.0	0.061	
99308D2A	0.1352	0.0	0.047	
99116C2	0.1161	0.0	0.042	
99116C2 MS	1.2203	0.0	0.349	
99116C2 MSD	1.2237	0.0	0.349	
99116C5	0.5085	0.0	0.151	
CCV-NH3	1.0473	0.0	0.300	
CCB-NH3	0.0178	0.0	0.014	Test limit low
99116C5 DU	0.5081	0.0	0.151	
660-59497A1	0.2580	0.0	0.081	
99111C8	0.0966	0.0	0.036	
99116C3	0.2770	0.0	0.086	
99116C6	0.1031	0.0	0.038	
99128B2	0.1581	0.0	0.053	
99219C2	0.1828	0.0	0.060	
640-47092C1A	73.0658	49.0	0.415	
640-47092C1B MS	74.7300	49.0	0.425	
640-47092C1C MSD	71.8075	49.0	0.409	
CCV-NH3	1.0594	0.0	0.304	
CCB-NH3	0.0200	0.0	0.015	Test limit low
99308-E-3-A	3.1900	1.0	0.453	
99116C1	128.6777	49.0	0.725	
99116C4	280.6470	49.0	1.570	
99116C7	86.5624	49.0	0.491	
99116C8	614.6077	49.0	3.426	
99116C9	0.3165	1.0	0.053	
99211A1	13.4092	9.0	0.382	
CCV-NH3	1.0089	0.0	0.290	
CCB-NH3	0.0342	0.0	0.019	Rule 1 violated
99211A2	9.8618	4.0	0.558	
99211A3	6.8681	4.0	0.391	
99221D1	10.7225	9.0	0.307	
CCV-NH3	1.0549	0.0	0.303	
CCB-NH3	0.0217	0.0	0.015	Test limit low
MB 319299/2-A	0.0194	0.0	0.015	Test limit low
99116C9	0.2043	0.0	0.066	
99116C4 200	272.4195	0.0	0.388	
99116C8 500	672.5290	0.0	0.383	
99116C1	137.1749	99.0	0.391	
99211A2	10.1623	9.0	0.292	
CCV-NH3	1.0447	0.0	0.300	
CCB-NH3	0.0159	0.0	0.014	Test limit low

N	76
Mean	170.4858
SD	484.72864
CV%	284.32

TestAmerica Savannah
Konelab 1

Date : 3/15/2014
Time : 13:06

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
CCV-NH3	1.0988	0.315	3/14/2014 10:18		0.005
CCB-NH3	0.0181	0.014	3/14/2014 10:18		0.004
640-47035B3	0.0242	0.016	3/14/2014 10:18		0.006
640-47035B3 MS	1.2609	0.360	3/14/2014 10:18		0.005
640-47035B3 MSD	1.2423	0.355	3/14/2014 10:18		0.006
CCV-NH3	1.0864	0.311	3/14/2014 10:20		0.004
CCB-NH3	0.0130	0.013	3/14/2014 10:20		0.004
CCV-NH3	1.0900	0.312	3/14/2014 17:48		0.006
CCB-NH3	0.0354	0.019	3/14/2014 17:48		0.005
640-47075A1	0.0752	0.030	3/14/2014 17:48		0.005
640-47075A1 MS	1.2158	0.347	3/14/2014 17:48		0.005
640-47075A1 MSD	1.2105	0.346	3/14/2014 17:48		0.005
640-47075A2	0.3589	0.109	3/14/2014 17:48		0.005
640-47075A2 DU	0.3518	0.107	3/14/2014 17:48		0.005
640-47062O1	0.0798	0.031	3/14/2014 17:48		0.006
640-47062O2	0.0788	0.031	3/14/2014 17:48		0.007
640-47075A3	0.0640	0.027	3/14/2014 17:48		0.005
640-47075A4	0.0511	0.023	3/14/2014 17:48		0.005
640-47075A5	0.0509	0.023	3/14/2014 17:48		0.006
CCV-NH3	1.0768	0.309	3/14/2014 17:57		0.005
CCB-NH3	0.0272	0.017	3/14/2014 17:57		0.005
640-47075A6	0.1867	0.061	3/14/2014 17:57		0.006
660-59442C1	0.1221	0.043	3/14/2014 17:57		0.005
660-59442C2	0.1769	0.058	3/14/2014 17:57		0.005
660-59524A1	0.1674	0.056	3/14/2014 17:57		0.205
660-59525A1	0.2079	0.067	3/14/2014 17:57		0.235
99111C1	0.0791	0.031	3/14/2014 17:57		0.008
99111C2	0.0710	0.029	3/14/2014 17:57		0.029
99111C3	0.1736	0.058	3/14/2014 17:57		0.006
99111C4	0.2145	0.069	3/14/2014 17:57		0.005
99111C5	0.0877	0.034	3/14/2014 17:57		0.005
CCV-NH3	1.0751	0.308	3/14/2014 18:06		0.005
CCB-NH3	0.0273	0.017	3/14/2014 18:06		0.005
99111C6	0.1110	0.040	3/14/2014 18:06		0.005
99111C7	0.1085	0.039	3/14/2014 18:06		0.005
99275C1	0.6204	0.182	3/14/2014 18:06		0.006
99116C12	0.4890	0.145	3/14/2014 18:06		0.005
99116C12 MS	1.6543	0.469	3/14/2014 18:06		0.005
99116C12 MSD	1.6493	0.468	3/14/2014 18:06		0.005
99116C11	0.1611	0.054	3/14/2014 18:06		0.005
99116C11 DU	0.1425	0.049	3/14/2014 18:06		0.005
99116C13	0.1834	0.060	3/14/2014 18:16		0.005
CCV-NH3	1.0811	0.310	3/14/2014 18:16		0.005
CCB-NH3	0.0269	0.017	3/14/2014 18:16		0.005
CCV-NH3	1.0138	0.291	3/15/2014 10:52		0.006
CCB-NH3	0.0126	0.013	3/15/2014 10:52		0.006
99116C14	0.4825	0.143	3/15/2014 10:52		0.006
99125D1	0.5953	0.175	3/15/2014 10:52		0.006
99125D2	0.2822	0.088	3/15/2014 10:52		0.006
99125D3	0.4201	0.126	3/15/2014 10:52		0.006
99125D4	1.5728	0.446	3/15/2014 10:52		0.006
99167B2	1.1944	0.341	3/15/2014 10:52		0.026
99170C4	1.0560	0.303	3/15/2014 10:52		0.006
99170C6	0.9447	0.272	3/15/2014 10:52		0.006
99181C1	0.3615	0.110	3/15/2014 10:52		0.006
99227C1	1.1753	0.336	3/15/2014 10:52		0.007

TestAmerica Savannah
Konelab 1

Date : 3/15/2014
Time : 13:06

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
CCV-NH3	1.0138	0.291	3/15/2014 10:59		0.006
CCB-NH3	0.0123	0.013	3/15/2014 10:59		0.006
99271B2	1.0439	0.299	3/15/2014 10:59		0.012
99116C10	3.9966	0.231	3/15/2014 11:09	1+4.0	0.006
99170C1	46.2526	0.652	3/15/2014 11:09	1+19.0	0.006
99170C2	169.8891	0.482	3/15/2014 11:09	1+99.0	0.006
99170C3	122.3447	0.349	3/15/2014 11:09	1+99.0	0.006
99170C7	104.4176	0.300	3/15/2014 11:09	1+99.0	0.006
CCV-NH3	1.0510	0.301	3/15/2014 11:10		0.006
CCB-NH3	0.0145	0.013	3/15/2014 11:10		0.006
CCV-NH3	1.0478	0.301	3/15/2014 13:02		0.006
CCB-NH3	0.0160	0.014	3/15/2014 13:02		0.006
99170C8 200	202.3295	0.290	3/15/2014 13:02		0.006
CCV-NH3	1.0493	0.301	3/15/2014 13:03		0.006
CCB-NH3	0.0151	0.013	3/15/2014 13:03		0.006

TestAmerica Savannah
Konelab 1

3/15/2014 13:06

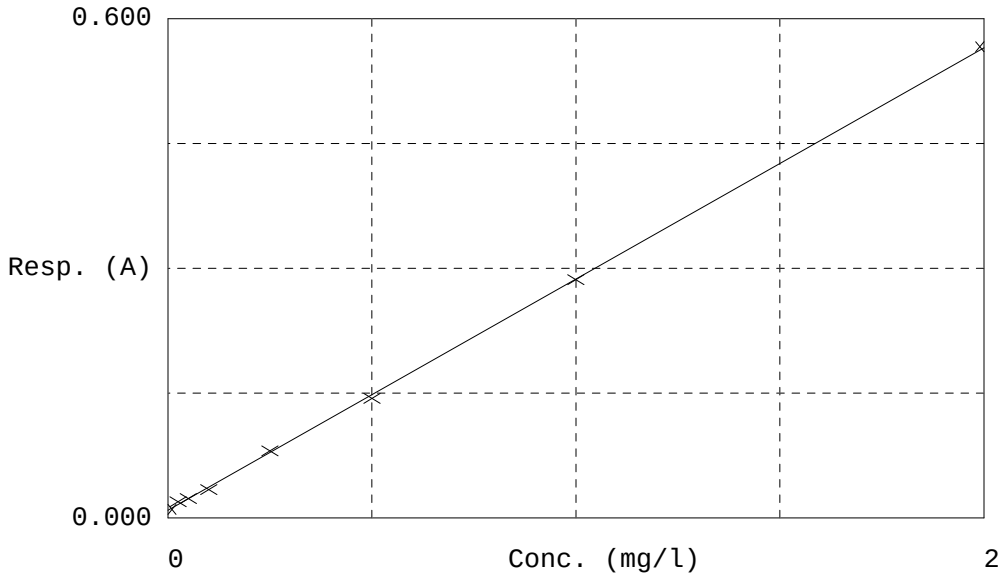
Test Ammonia

Accepted 2/28/2014 13:47

Factor 3.597
Bias 0.009

Coeff. of det. 0.999822

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	NH3-0	0.010	0.00402	0.00000	
2	NH3-0.025	0.019	0.03666	0.02500	
3	NH3-0.050	0.023	0.05102	0.05000	
4	NH3-0.10	0.034	0.08953	0.10000	
5	NH3-0.25	0.081	0.25774	0.25000	
6	NH3-0.50	0.144	0.48409	0.50000	
7	NH3-1.0	0.286	0.99715	1.00000	
8	NH3-2.0	0.567	2.00479	2.00000	

TestAmerica Savannah
Konelab 1

3/15/2014 13:06

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
CCV-NH3	1.0988	0.0	0.315	
CCB-NH3	0.0181	0.0	0.014	Test limit low
640-47035B3	0.0242	0.0	0.016	Test limit low
640-47035B3 MS	1.2609	0.0	0.360	
640-47035B3 MSD	1.2423	0.0	0.355	
CCV-NH3	1.0864	0.0	0.311	
CCB-NH3	0.0130	0.0	0.013	Test limit low
CCV-NH3	1.0900	0.0	0.312	
CCB-NH3	0.0354	0.0	0.019	Rule 1 violated
640-47075A1	0.0752	0.0	0.030	
640-47075A1 MS	1.2158	0.0	0.347	
640-47075A1 MSD	1.2105	0.0	0.346	
640-47075A2	0.3589	0.0	0.109	
640-47075A2 DU	0.3518	0.0	0.107	
640-47062O1	0.0798	0.0	0.031	
640-47062O2	0.0788	0.0	0.031	
640-47075A3	0.0640	0.0	0.027	
640-47075A4	0.0511	0.0	0.023	
640-47075A5	0.0509	0.0	0.023	
CCV-NH3	1.0768	0.0	0.309	
CCB-NH3	0.0272	0.0	0.017	Rule 1 violated
640-47075A6	0.1867	0.0	0.061	
660-59442C1	0.1221	0.0	0.043	
660-59442C2	0.1769	0.0	0.058	
660-59524A1	0.1674	0.0	0.056	
660-59525A1	0.2079	0.0	0.067	
99111C1	0.0791	0.0	0.031	
99111C2	0.0710	0.0	0.029	
99111C3	0.1736	0.0	0.058	
99111C4	0.2145	0.0	0.069	
99111C5	0.0877	0.0	0.034	
CCV-NH3	1.0751	0.0	0.308	
CCB-NH3	0.0273	0.0	0.017	Rule 1 violated
99111C6	0.1110	0.0	0.040	
99111C7	0.1085	0.0	0.039	
99275C1	0.6204	0.0	0.182	
99116C12	0.4890	0.0	0.145	
99116C12 MS	1.6543	0.0	0.469	
99116C12 MSD	1.6493	0.0	0.468	
99116C11	0.1611	0.0	0.054	
99116C11 DU	0.1425	0.0	0.049	
99116C10	3.9197	0.0	1.099	
99116C13	0.1834	0.0	0.060	
CCV-NH3	1.0811	0.0	0.310	
CCB-NH3	0.0269	0.0	0.017	Rule 1 violated
99116C14	0.2180	0.0	0.070	
99125D1	0.1036	0.0	0.038	
99125D2	0.1824	0.0	0.060	
99125D3	0.1551	0.0	0.052	
99125D4	0.9618	0.0	0.277	
99167B2	0.8425	0.0	0.243	
99170C1	19.2710	0.0	5.366	
99170C2	36.0833	0.0	10.040	Abs. high
99170C3	36.0909	0.0	10.042	Abs. high
99170C4	0.8916	0.0	0.257	
CCV-NH3	1.1344	0.0	0.325	Rule 1 violated
CCB-NH3	0.0992	0.0	0.037	Rule 1 violated
99170C6	1.3406	0.0	0.382	

TestAmerica Savannah
Konelab 1

3/15/2014 13:06

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
99170C7	36.0907	0.0	10.042	Abs. high
99170C8	36.0908	0.0	10.042	Abs. high
99181C1	0.9473	0.0	0.273	
99227C1	0.9327	0.0	0.269	
99271B2	0.7130	0.0	0.207	
CCV-NH3	1.0629	0.0	0.305	
CCB-NH3	0.0304	0.0	0.018	Rule 1 violated
CCV-NH3	1.0138	0.0	0.291	
CCB-NH3	0.0126	0.0	0.013	Test limit low
99116C14	0.4825	0.0	0.143	
99125D1	0.5953	0.0	0.175	
99125D2	0.2822	0.0	0.088	
99125D3	0.4201	0.0	0.126	
99125D4	1.5728	0.0	0.446	
99167B2	1.1944	0.0	0.341	
99170C4	1.0560	0.0	0.303	
99170C6	0.9447	0.0	0.272	
99181C1	0.3615	0.0	0.110	
99227C1	1.1753	0.0	0.336	
CCV-NH3	1.0138	0.0	0.291	
CCB-NH3	0.0123	0.0	0.013	Test limit low
99271B2	1.0439	0.0	0.299	
99116C10	3.9966	4.0	0.231	
99170C1	46.2526	19.0	0.652	
99170C2	169.8891	99.0	0.482	
99170C3	122.3447	99.0	0.349	
99170C7	104.4176	99.0	0.300	
99170C8	278.5292	99.0	0.784	
CCV-NH3	1.0510	0.0	0.301	
CCB-NH3	0.0145	0.0	0.013	Test limit low
CCV-NH3	1.0478	0.0	0.301	
CCB-NH3	0.0160	0.0	0.014	Test limit low
99170C8 200	202.3295	0.0	0.290	
CCV-NH3	1.0493	0.0	0.301	
CCB-NH3	0.0151	0.0	0.013	Test limit low

N	67
Mean	16.7820
SD	49.56785
CV%	295.36

TestAmerica Savannah
Konelab 2

Date : 2014-01-02
Time : 16.09

Test Phosphate
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
PO4-ICV	1.080		2014-01-02 09.48	
ICB	0.012		2014-01-02 09.48	
PO4-CCV	1.189		2014-01-02 11.16	
CCB	0.012		2014-01-02 11.16	
97524D2	2.842	1+1.0	2014-01-02 11.16	R
97524D2 MS	3.809	1+1.0	2014-01-02 11.16	R
97524D2 MSD	3.905	1+1.0	2014-01-02 11.16	R
PO4-CCV	1.189		2014-01-02 11.17	
CCB	0.012		2014-01-02 11.17	

TestAmerica Savannah
Konelab 2

02.01.2014 16:09

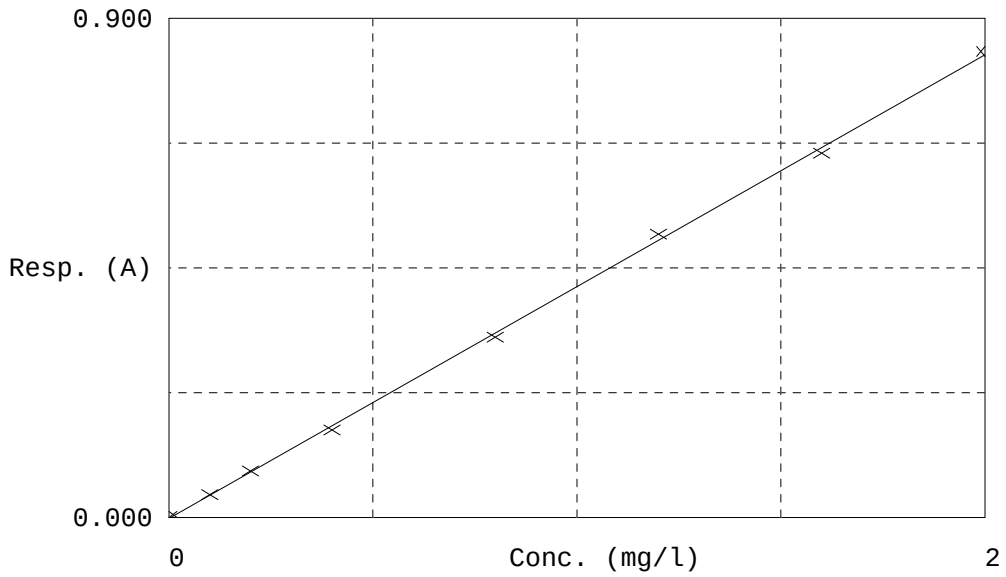
Test Phosphate

Accepted 02.01.2014 09:54

Factor 2.39
Bias -0.002

Coeff. of det. 0.999416

Errors Meas. error,QC rule violated



	Calibrator	Response	Calc. con.	Conc.	Errors
1	Blank	0.002	0.0103	0.0000	Blank resp. low
2	PO41	0.041	0.1034	0.1000	Blank resp. low
3	PO42	0.084	0.2055	0.2000	Blank resp. low
4	PO43	0.158	0.3828	0.4000	Blank resp. low
5	PO44	0.326	0.7826	0.8000	Blank resp. low
6	PO45	0.511	1.2266	1.2000	Blank resp. low
7	PO46	0.657	1.5749	1.6000	Blank resp. low
8	PO47	0.841	2.0138	2.0000	Blank resp. low
9	ICB(control)	0.003	0.0121	0.0000	Test limit low, Blank r
10	PO4-ICV(control	0.450	1.0801	1.0000	Blank resp. low

TestAmerica Savannah
Konelab 2

02.01.2014 16:09

Test: Phosphate

Sample Id	Result	Dil. 1 +	Response	Errors
PO4-ICV	1.080	0.0	0.450	Blank resp. low
ICB	0.012	0.0	0.003	Test limit low, Blank res
PO4-CCV	1.180	0.0	0.492	
CCB	0.011	0.0	0.003	Test limit low
97524D2	2.918	0.0	1.219	Test limit high
97524D2 MS	3.599	0.0	1.504	Test limit high
97524D2 MSD	3.649	0.0	1.525	Test limit high
PO4-CCV	1.181	0.0	0.492	Blank resp. low
CCB	0.011	0.0	0.003	Test limit low
PO4-CCV	1.189	0.0	0.496	
CCB	0.012	0.0	0.003	Test limit low
97524D2	2.842	1.0	0.593	Test limit high
97524D2 MS	3.809	1.0	0.795	Test limit high
97524D2 MSD	3.905	1.0	0.815	Test limit high
PO4-CCV	1.189	0.0	0.495	
CCB	0.012	0.0	0.003	Test limit low

N	6
Mean	3.454
SD	0.4583
CV%	13.27

TestAmerica Savannah
Konelab 2

Date : 2014-03-06
Time : 16.48

Test Phosphate
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
PO4-CCV	1.230		2014-03-06 14.23	
CCB	0.014		2014-03-06 14.23	
99170G2	0.007		2014-03-06 14.23	
99170G3	1.300		2014-03-06 14.23	
99170G4	0.018		2014-03-06 14.23	
99170G6	0.018		2014-03-06 14.23	
99170G7	0.022		2014-03-06 14.23	
99111G1	0.027		2014-03-06 14.23	
99111G2	0.042		2014-03-06 14.23	
PO4-CCV	1.229		2014-03-06 14.26	
CCB	0.017		2014-03-06 14.26	
99111G3	0.008		2014-03-06 14.26	
99111G4	0.040		2014-03-06 14.26	
99111G5	0.037		2014-03-06 14.26	
99111G5DU	0.032		2014-03-06 14.26	
99111G6	0.036		2014-03-06 14.26	
99111G7	0.010		2014-03-06 14.26	
99111G8	0.023		2014-03-06 14.26	
99116G1	0.081		2014-03-06 14.26	
99116G2	0.008		2014-03-06 14.26	
99116G3	0.011		2014-03-06 14.26	
PO4-CCV	1.230		2014-03-06 14.30	
CCB	0.015		2014-03-06 14.30	
99116G4	0.024		2014-03-06 14.30	
99116G5	0.009		2014-03-06 14.30	
99116G6	0.019		2014-03-06 14.30	
99170G8	0.020		2014-03-06 14.30	
99170G8MS	1.036		2014-03-06 14.30	
99170G8MSD	1.041		2014-03-06 14.30	
99116G7	1.194		2014-03-06 14.30	
99116G8	0.014		2014-03-06 14.30	
99116G9	0.014		2014-03-06 14.30	
99116G10	1.761		2014-03-06 14.30	
PO4-CCV	1.228		2014-03-06 14.33	
CCB	0.014		2014-03-06 14.34	
99116G11	0.017		2014-03-06 14.34	
99116G12	0.008		2014-03-06 14.34	
99116G13	0.026		2014-03-06 14.34	
99116G14	0.021		2014-03-06 14.34	
99125G1	0.138		2014-03-06 14.34	
99125G2	0.007		2014-03-06 14.34	
99125G2DU	0.182		2014-03-06 14.34	
99125G3	0.022		2014-03-06 14.34	
PO4-CCV	1.240		2014-03-06 14.34	
CCB	0.014		2014-03-06 14.34	
PO4-CCV	1.236		2014-03-06 15.40	
CCB	0.014		2014-03-06 15.40	
99170G1	1.864	1+1.0	2014-03-06 15.40	R
99170G1MS	2.885	1+1.0	2014-03-06 15.40	R
99170G1MSD	2.843	1+1.0	2014-03-06 15.40	R
PO4-CCV	1.238		2014-03-06 15.42	
CCB	0.015		2014-03-06 15.42	
PO4-CCV	1.235		2014-03-06 15.57	
CCB	0.014		2014-03-06 15.57	
99125G4	82.213	1+49.0	2014-03-06 15.57	R
PO4-CCV	1.260		2014-03-06 15.59	
CCB	0.016		2014-03-06 15.59	

TestAmerica Savannah
Konelab 2

06.03.2014 16:49

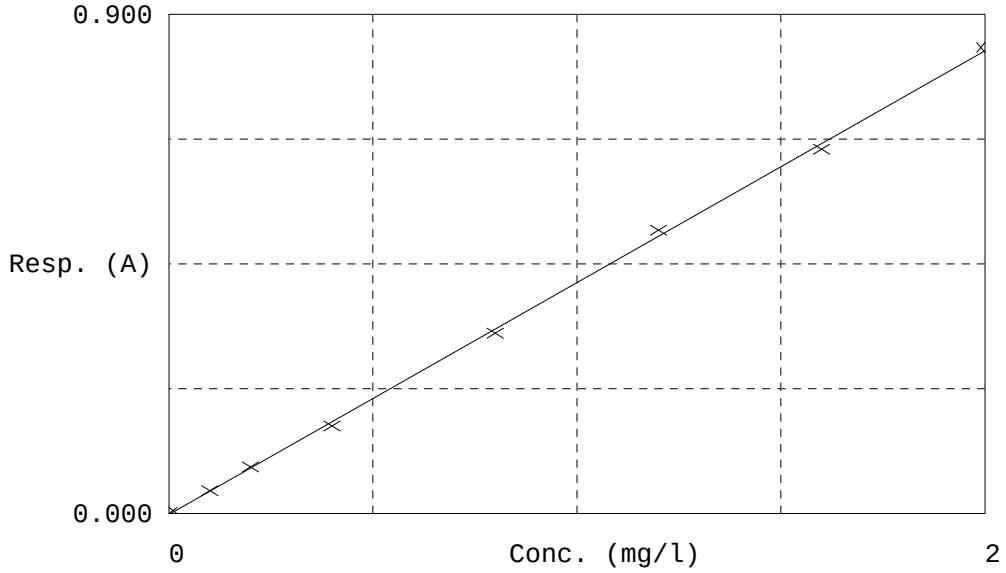
Test Phosphate

Accepted 02.01.2014 09:54

Factor 2.39
Bias -0.002

Coeff. of det. 0.999416

Errors Meas. error



	Calibrator	Response	Calc. con.	Conc.	Errors
1	Blank	0.002	0.0103	0.0000	Blank resp. low
2	PO41	0.041	0.1034	0.1000	Blank resp. low
3	PO42	0.084	0.2055	0.2000	Blank resp. low
4	PO43	0.158	0.3828	0.4000	Blank resp. low
5	PO44	0.326	0.7826	0.8000	Blank resp. low
6	PO45	0.511	1.2266	1.2000	Blank resp. low
7	PO46	0.657	1.5749	1.6000	Blank resp. low
8	PO47	0.841	2.0138	2.0000	Blank resp. low

TestAmerica Savannah
Konelab 2

06.03.2014 16:49

Test: Phosphate

Sample Id	Result	Dil. 1 +	Response	Errors
PO4-CCV	1.230	0.0	0.513	
CCB	0.014	0.0	0.004	Test limit low
99170G1	1.910	0.0	0.797	
99170G1MS	2.925	0.0	1.222	Test limit high
99170G1MSD	2.946	0.0	1.231	Test limit high
99170G2	0.007	0.0	0.001	Test limit low
99170G3	1.300	0.0	0.542	
99170G4	0.018	0.0	0.005	
99170G6	0.018	0.0	0.006	
99170G7	0.022	0.0	0.007	
99111G1	0.027	0.0	0.009	
99111G2	0.042	0.0	0.016	
PO4-CCV	1.229	0.0	0.512	
CCB	0.017	0.0	0.005	
99111G3	0.008	0.0	0.002	Test limit low
99111G4	0.040	0.0	0.015	
99111G5	0.037	0.0	0.014	
99111G5DU	0.032	0.0	0.012	
99111G6	0.036	0.0	0.013	
99111G7	0.010	0.0	0.002	Test limit low
99111G8	0.023	0.0	0.008	
99116G1	0.081	0.0	0.032	
99116G2	0.008	0.0	0.001	Test limit low
99116G3	0.011	0.0	0.003	Test limit low
PO4-CCV	1.230	0.0	0.513	
CCB	0.015	0.0	0.004	Test limit low
99116G4	0.024	0.0	0.008	
99116G5	0.009	0.0	0.002	Test limit low
99116G6	0.019	0.0	0.006	
99170G8	0.020	0.0	0.007	
99170G8MS	1.036	0.0	0.432	
99170G8MSD	1.041	0.0	0.434	
99116G7	1.194	0.0	0.498	
99116G8	0.014	0.0	0.004	Test limit low
99116G9	0.014	0.0	0.004	Test limit low
99116G10	1.761	0.0	0.735	
PO4-CCV	1.228	0.0	0.512	
CCB	0.014	0.0	0.004	Test limit low
99116G11	0.017	0.0	0.005	
99116G12	0.008	0.0	0.001	Test limit low
99116G13	0.026	0.0	0.009	
99116G14	0.021	0.0	0.007	
99125G1	0.138	0.0	0.056	
99125G2	0.007	0.0	0.001	Test limit low
99125G2DU	0.182	0.0	0.074	
99125G3	0.022	0.0	0.007	
99125G4	10.690	0.0	4.470	Test limit high
PO4-CCV	1.240	0.0	0.517	
CCB	0.014	0.0	0.004	Test limit low
PO4-CCV	1.236	0.0	0.515	
CCB	0.014	0.0	0.004	Test limit low
99170G1	1.864	1.0	0.388	
99170G1MS	2.885	1.0	0.602	Test limit high
99170G1MSD	2.843	1.0	0.593	Test limit high
99125G4	53.634	9.0	2.242	Test limit high
PO4-CCV	1.238	0.0	0.516	
CCB	0.015	0.0	0.005	Test limit low
PO4-CCV	1.235	0.0	0.515	
CCB	0.014	0.0	0.004	Test limit low
99125G4	82.213	49.0	0.686	Test limit high
PO4-CCV	1.260	0.0	0.525	
CCB	0.016	0.0	0.005	Test limit low

TestAmerica Savannah
Konelab 2

06.03.2014 16:49

Test: Phosphate

Sample Id	Result	Dil. 1 +	Response
N	44		
Mean	3.845		
SD	14.5862		
CV%	379.35		

TestAmerica Savannah
Konelab 2

Date : 2014-03-06
Time : 16.48

Test Phosphate
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
PO4-CCV	1.230		2014-03-06 14.23	
CCB	0.014		2014-03-06 14.23	
99170G2	0.007		2014-03-06 14.23	
99170G3	1.300		2014-03-06 14.23	
99170G4	0.018		2014-03-06 14.23	
99170G6	0.018		2014-03-06 14.23	
99170G7	0.022		2014-03-06 14.23	
99111G1	0.027		2014-03-06 14.23	
99111G2	0.042		2014-03-06 14.23	
PO4-CCV	1.229		2014-03-06 14.26	
CCB	0.017		2014-03-06 14.26	
99111G3	0.008		2014-03-06 14.26	
99111G4	0.040		2014-03-06 14.26	
99111G5	0.037		2014-03-06 14.26	
99111G5DU	0.032		2014-03-06 14.26	
99111G6	0.036		2014-03-06 14.26	
99111G7	0.010		2014-03-06 14.26	
99111G8	0.023		2014-03-06 14.26	
99116G1	0.081		2014-03-06 14.26	
99116G2	0.008		2014-03-06 14.26	
99116G3	0.011		2014-03-06 14.26	
PO4-CCV	1.230		2014-03-06 14.30	
CCB	0.015		2014-03-06 14.30	
99116G4	0.024		2014-03-06 14.30	
99116G5	0.009		2014-03-06 14.30	
99116G6	0.019		2014-03-06 14.30	
99170G8	0.020		2014-03-06 14.30	
99170G8MS	1.036		2014-03-06 14.30	
99170G8MSD	1.041		2014-03-06 14.30	
99116G7	1.194		2014-03-06 14.30	
99116G8	0.014		2014-03-06 14.30	
99116G9	0.014		2014-03-06 14.30	
99116G10	1.761		2014-03-06 14.30	
PO4-CCV	1.228		2014-03-06 14.33	
CCB	0.014		2014-03-06 14.34	
99116G11	0.017		2014-03-06 14.34	
99116G12	0.008		2014-03-06 14.34	
99116G13	0.026		2014-03-06 14.34	
99116G14	0.021		2014-03-06 14.34	
99125G1	0.138		2014-03-06 14.34	
99125G2	0.007		2014-03-06 14.34	
99125G2DU	0.182		2014-03-06 14.34	
99125G3	0.022		2014-03-06 14.34	
PO4-CCV	1.240		2014-03-06 14.34	
CCB	0.014		2014-03-06 14.34	
PO4-CCV	1.236		2014-03-06 15.40	
CCB	0.014		2014-03-06 15.40	
99170G1	1.864	1+1.0	2014-03-06 15.40	R
99170G1MS	2.885	1+1.0	2014-03-06 15.40	R
99170G1MSD	2.843	1+1.0	2014-03-06 15.40	R
PO4-CCV	1.238		2014-03-06 15.42	
CCB	0.015		2014-03-06 15.42	
PO4-CCV	1.235		2014-03-06 15.57	
CCB	0.014		2014-03-06 15.57	
99125G4	82.213	1+49.0	2014-03-06 15.57	R
PO4-CCV	1.260		2014-03-06 15.59	
CCB	0.016		2014-03-06 15.59	

TestAmerica Savannah
Konelab 2

06.03.2014 16:49

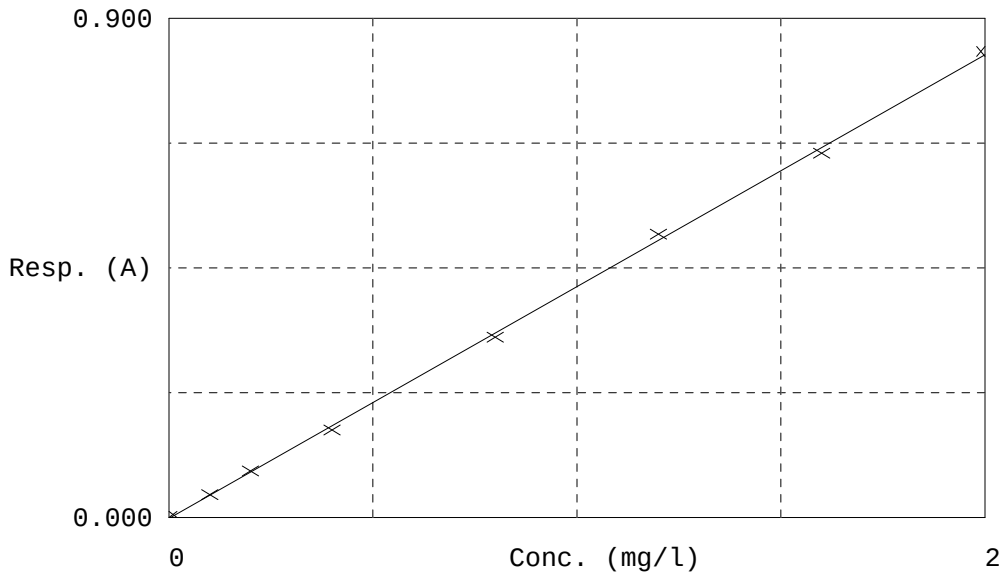
Test Phosphate

Accepted 02.01.2014 09:54

Factor 2.39
Bias -0.002

Coeff. of det. 0.999416

Errors Meas. error



	Calibrator	Response	Calc. con.	Conc.	Errors
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3	PO42	0.084	0.2055	0.2000	Blank resp. low
4	PO43	0.158	0.3828	0.4000	Blank resp. low
5	PO44	0.326	0.7826	0.8000	Blank resp. low
6	PO45	0.511	1.2266	1.2000	Blank resp. low
7	PO46	0.657	1.5749	1.6000	Blank resp. low
8	PO47	0.841	2.0138	2.0000	Blank resp. low

TestAmerica Savannah
Konelab 2

06.03.2014 16:49

Test: Phosphate

Sample Id	Result	Dil. 1 +	Response	Errors
PO4-CCV	1.230	0.0	0.513	
CCB	0.014	0.0	0.004	Test limit low
99170G1	1.910	0.0	0.797	
99170G1MS	2.925	0.0	1.222	Test limit high
99170G1MSD	2.946	0.0	1.231	Test limit high
99170G2	0.007	0.0	0.001	Test limit low
99170G3	1.300	0.0	0.542	
99170G4	0.018	0.0	0.005	
99170G6	0.018	0.0	0.006	
99170G7	0.022	0.0	0.007	
99111G1	0.027	0.0	0.009	
99111G2	0.042	0.0	0.016	
PO4-CCV	1.229	0.0	0.512	
CCB	0.017	0.0	0.005	
99111G3	0.008	0.0	0.002	Test limit low
99111G4	0.040	0.0	0.015	
99111G5	0.037	0.0	0.014	
99111G5DU	0.032	0.0	0.012	
99111G6	0.036	0.0	0.013	
99111G7	0.010	0.0	0.002	Test limit low
99111G8	0.023	0.0	0.008	
99116G1	0.081	0.0	0.032	
99116G2	0.008	0.0	0.001	Test limit low
99116G3	0.011	0.0	0.003	Test limit low
PO4-CCV	1.230	0.0	0.513	
CCB	0.015	0.0	0.004	Test limit low
99116G4	0.024	0.0	0.008	
99116G5	0.009	0.0	0.002	Test limit low
99116G6	0.019	0.0	0.006	
99170G8	0.020	0.0	0.007	
99170G8MS	1.036	0.0	0.432	
99170G8MSD	1.041	0.0	0.434	
99116G7	1.194	0.0	0.498	
99116G8	0.014	0.0	0.004	Test limit low
99116G9	0.014	0.0	0.004	Test limit low
99116G10	1.761	0.0	0.735	
PO4-CCV	1.228	0.0	0.512	
CCB	0.014	0.0	0.004	Test limit low
99116G11	0.017	0.0	0.005	
99116G12	0.008	0.0	0.001	Test limit low
99116G13	0.026	0.0	0.009	
99116G14	0.021	0.0	0.007	
99125G1	0.138	0.0	0.056	
99125G2	0.007	0.0	0.001	Test limit low
99125G2DU	0.182	0.0	0.074	
99125G3	0.022	0.0	0.007	
99125G4	10.690	0.0	4.470	Test limit high
PO4-CCV	1.240	0.0	0.517	
CCB	0.014	0.0	0.004	Test limit low
PO4-CCV	1.236	0.0	0.515	
CCB	0.014	0.0	0.004	Test limit low
99170G1	1.864	1.0	0.388	
99170G1MS	2.885	1.0	0.602	Test limit high
99170G1MSD	2.843	1.0	0.593	Test limit high
99125G4	53.634	9.0	2.242	Test limit high
PO4-CCV	1.238	0.0	0.516	
CCB	0.015	0.0	0.005	Test limit low
PO4-CCV	1.235	0.0	0.515	
CCB	0.014	0.0	0.004	Test limit low
99125G4	82.213	49.0	0.686	Test limit high
PO4-CCV	1.260	0.0	0.525	
CCB	0.016	0.0	0.005	Test limit low

TestAmerica Savannah
Konelab 2

06.03.2014 16:49

Test: Phosphate

Sample Id	Result	Dil. 1 +	Response
N	44		
Mean	3.845		
SD	14.5862		
CV%	379.35		

TestAmerica Savannah
Konelab 2

Date : 2014-01-25
Time : 14.26

Test CR+6
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
CR6-ICV	0.32034		2014-01-25 13.18	
CR6-ICB	0.00255		2014-01-25 13.18	
CR6-CCV	0.18303		2014-01-25 13.35	
CR6-CCB	0.00288		2014-01-25 13.35	
MB 312647/1-A	0.00274		2014-01-25 13.35	R
LCS 312647/2-A	0.16813		2014-01-25 13.35	R
98027A4C	0.00202		2014-01-25 13.35	R
98027A4C PDS	0.17195		2014-01-25 13.35	R
98027A4D DU	0.00214		2014-01-25 13.35	R
98027A4E MS	0.85100	1+1.0	2014-01-25 13.36	R
98027A4G MS	12.57558	1+39.0	2014-01-25 13.36	R
CR6-CCV	0.18345		2014-01-25 13.38	
CR6-CCB	0.00226		2014-01-25 13.38	

TestAmerica Savannah
Konelab 2

25.01.2014 14:26

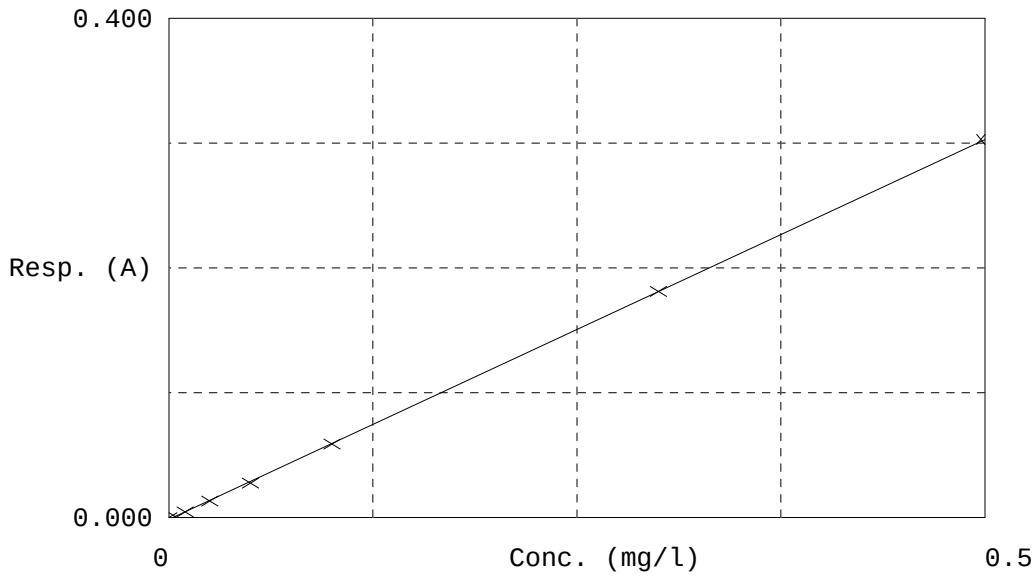
Test CR+6

Accepted 25.01.2014 13:19

Factor 1.642
Bias -0.002

Coeff. of det. 0.999947

Errors Meas. error,QC rule violated



	Calibrator	Response	Calc. con.	Conc.	Errors
1	CR6-0	0.000	0.002599	0.000000	Blank resp. low
2	CR6-2	0.005	0.010223	0.010000	
3	CR6-3	0.013	0.024283	0.025000	
4	CR6-4	0.028	0.048064	0.050000	Blank resp. low
5	CR6-5	0.059	0.099462	0.100000	
6	CR6-6	0.181	0.300090	0.300000	
7	CR6-7	0.303	0.500278	0.500000	Blank resp. low
8	CR6-ICB(control	0.000	0.002551	0.000000	Test limit low, Blank r
9	CR6-ICV(control	0.194	0.320339	0.300000	Blank resp. low

TestAmerica Savannah
Konelab 2

25.01.2014 14:26

Test: CR+6

Sample Id	Result	Dil. 1 +	Response	Errors
CR6-CCV	0.17767	0.0	0.107	Blank resp. low, Rule 1 v
CR6-CCB	0.00111	0.0	0.000	Test limit low, Blank res
MB 312647/1-A	0.00129	0.0	0.000	Test limit low, Blank res
LCS 312647/2-A	0.17440	0.0	0.105	Blank resp. low
98027A4C	0.00129	0.0	0.000	Test limit low
98027A4C PDS	0.19320	0.0	0.117	
98027A4D DU	0.00054	0.0	-0.000	Test limit low
98027A4E MS	0.86718	0.0	0.526	Test limit high
98027A4G MS	9.32596	0.0	5.667	Test limit high
CR6-CCV	0.18022	0.0	0.109	Blank resp. low
CR6-CCB	0.00106	0.0	0.000	Test limit low, Blank res
CR6-CCV	0.18294	0.0	0.111	Blank resp. low
CR6-CCB	0.00099	0.0	-0.000	Test limit low, Blank res
MB 312647/1-A	0.00109	0.0	0.000	Test limit low, Blank res
LCS 312647/2-A	0.17220	0.0	0.104	
98027A4C	0.00087	0.0	-0.000	Test limit low
98027A4C PDS	0.18650	0.0	0.113	
98027A4D DU	0.00034	0.0	-0.000	Test limit low
98027A4E MS	0.85248	1.0	0.258	Test limit high
98027A4G MS	12.24742	39.0	0.185	Test limit high
CR6-CCV	0.17968	0.0	0.109	Blank resp. low, Rule 1 v
CR6-CCB	0.00089	0.0	-0.000	Test limit low, Blank res
CR6-ICV	0.31889	0.0	0.192	Blank resp. low
CR6-ICB	0.00390	0.0	0.000	Blank resp. low, Rule 1 v
CR6-ICV	0.32149	0.0	0.192	Blank resp. low
CR6-ICB	0.00737	0.0	-0.000	Blank resp. low, Rule 1 v
CR6-ICV	0.32034	0.0	0.194	Blank resp. low
CR6-ICB	0.00255	0.0	0.000	Test limit low, Blank res
CR6-CCV	0.18303	0.0	0.110	Blank resp. low
CR6-CCB	0.00288	0.0	0.000	Test limit low, Blank res
MB 312647/1-A	0.00274	0.0	0.000	Test limit low, Blank res
LCS 312647/2-A	0.16813	0.0	0.101	Blank resp. low
98027A4C	0.00202	0.0	-0.000	Test limit low
98027A4C PDS	0.17195	0.0	0.103	
98027A4D DU	0.00214	0.0	-0.000	Test limit low
98027A4E MS	0.85100	1.0	0.258	Test limit high
98027A4G MS	12.57558	39.0	0.190	Test limit high
CR6-CCV	0.18345	0.0	0.110	Blank resp. low
CR6-CCB	0.00226	0.0	-0.000	Test limit low, Blank res

N	21
Mean	1.79992
SD	4.058799
CV%	225.50

TestAmerica Savannah
Konelab 2

Date : 2014-03-05
Time : 17.45

Test CR+6
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
CR6-CCB	0.00302		2014-03-05 13.36	
CR6-CCV	0.21003		2014-03-05 13.36	
99108a2 100	2.66904		2014-03-05 13.36	R
99108a2ms 100	19.82238		2014-03-05 13.36	R
99108a2msd 100	19.81972		2014-03-05 13.36	R
99116k1	0.00525		2014-03-05 13.36	R
99116k2	0.00287		2014-03-05 13.36	R
99116k3	0.00077		2014-03-05 13.37	R
CR6-CCB	0.00257		2014-03-05 13.37	
CR6-CCV	0.20478		2014-03-05 13.37	

TestAmerica Savannah
Konelab 2

05.03.2014 17:45

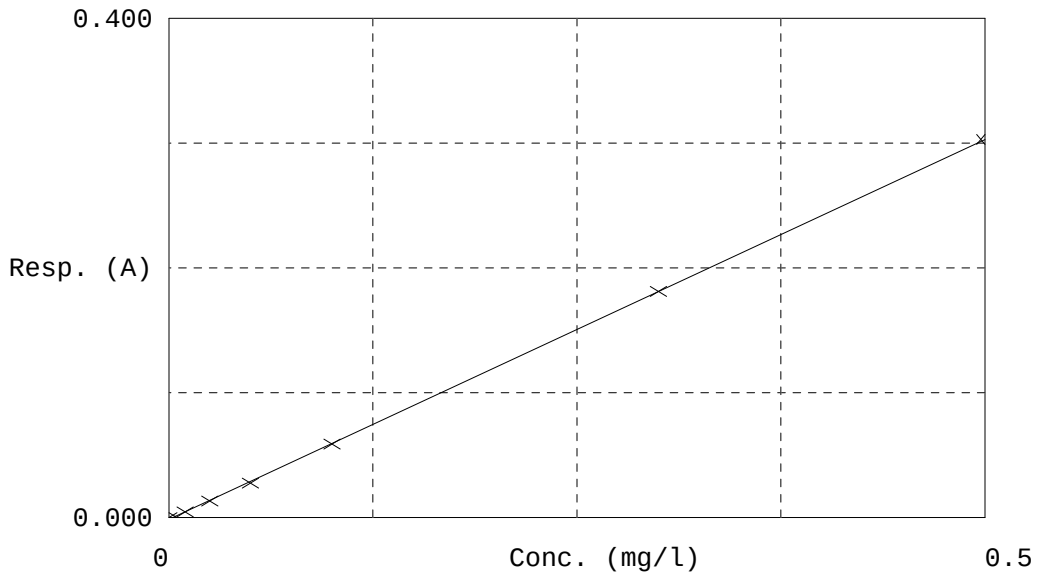
Test CR+6

Accepted 25.01.2014 13:19

Factor 1.642
Bias -0.002

Coeff. of det. 0.999947

Errors Meas. error



	Calibrator	Response	Calc. con.	Conc.	Errors
1	CR6-0	0.000	0.002599	0.000000	Blank resp. low
2	CR6-2	0.005	0.010223	0.010000	
3	CR6-3	0.013	0.024283	0.025000	
4	CR6-4	0.028	0.048064	0.050000	Blank resp. low
5	CR6-5	0.059	0.099462	0.100000	
6	CR6-6	0.181	0.300090	0.300000	
7	CR6-7	0.303	0.500278	0.500000	Blank resp. low

TestAmerica Savannah
Konelab 2

05.03.2014 17:45

Test: CR+6

Sample Id	Result	Dil. 1 +	Response	Errors
CR6-CCB	0.00839	0.0	0.004	Rule 1 violated
CR6-CCV	0.19956	0.0	0.120	
99108a2	0.11802	0.0	0.070	
99108a2ms	0.11384	0.0	0.068	
99108a2msd	0.12226	0.0	0.073	
CR6-CCB	0.00318	0.0	0.000	Blank resp. low, Rule 1 v
CR6-CCV	0.20062	0.0	0.121	Blank resp. low
CR6-CCB	0.00339	0.0	0.001	Blank resp. low, Rule 1 v
CR6-CCV	0.20191	0.0	0.121	Blank resp. low
99108a2 10	0.01979	0.0	-0.000	Test limit low
99108a2ms 10	1.44389	0.0	0.086	
99108a2msd 10	1.46005	0.0	0.087	
CR6-CCB	0.00278	0.0	0.000	Test limit low, Blank res
CR6-CCV	0.20138	0.0	0.121	Blank resp. low
CR6-CCB	0.00504	0.0	0.002	Blank resp. low, Rule 1 v
CR6-CCV	0.20213	0.0	0.122	Blank resp. low
99108a2 100	0.22012	0.0	-0.000	Test limit low
99108a2ms 100	20.09348	0.0	0.121	
99108a2msd 100	19.98507	0.0	0.120	
CR6-CCB	0.00357	0.0	0.001	Blank resp. low, Rule 1 v
CR6-CCV	0.20143	0.0	0.121	Blank resp. low
CR6-CCB	0.00368	0.0	0.001	Blank resp. low, Rule 1 v
CR6-CCV	0.20242	0.0	0.122	Blank resp. low
99108a2 100	0.26467	0.0	0.000	Test limit low
99108a2ms 100	18.59821	0.0	0.112	
99108a2msd 100	18.78923	0.0	0.113	
CR6-CCB	0.00249	0.0	-0.000	Test limit low, Blank res
CR6-CCV	0.20169	0.0	0.121	Blank resp. low
CR6-CCB	0.00364	0.0	0.001	Blank resp. low, Rule 1 v
CR6-CCV	0.20837	0.0	0.125	Blank resp. low
99108a2 100	0.22314	0.0	-0.000	Test limit low
99108a2ms 100	17.98539	0.0	0.108	
99108a2msd 100	17.77748	0.0	0.107	
CR6-CCB	0.00469	0.0	0.001	Blank resp. low, Rule 1 v
CR6-CCV	0.20257	0.0	0.122	Blank resp. low
CR6-CCB	0.00427	0.0	0.001	Blank resp. low, Rule 1 v
CR6-CCV	0.20250	0.0	0.122	Blank resp. low
99108a2 100	0.22538	0.0	-0.000	Test limit low
99108a2ms 100	16.95695	0.0	0.102	
99108a2msd 100	17.23362	0.0	0.103	
CR6-CCB	0.00360	0.0	0.001	Blank resp. low, Rule 1 v
CR6-CCV	0.20334	0.0	0.122	Blank resp. low
CR6-CCB	0.00312	0.0	0.000	Blank resp. low, Rule 1 v
CR6-CCV	0.20660	0.0	0.124	Blank resp. low
99108a2 100	0.53385	0.0	0.002	
99108a2ms 100	19.98930	0.0	0.120	
99108a2msd 100	20.03339	0.0	0.120	
CR6-CCB	0.00255	0.0	0.000	Test limit low, Blank res
CR6-CCV	0.20338	0.0	0.122	Blank resp. low
CR6-CCB	0.00303	0.0	0.000	Blank resp. low, Rule 1 v
CR6-CCV	0.20369	0.0	0.122	Blank resp. low
99108a2 100	0.19193	0.0	-0.000	Test limit low
99108a2ms 100	18.37588	0.0	0.110	
99108a2msd 100	18.38028	0.0	0.110	
99116k1	0.00517	0.0	0.002	
99116k2	0.00368	0.0	0.001	Blank resp. low
99116k3	0.00487	0.0	0.001	
CR6-CCB	0.00264	0.0	0.000	Test limit low, Blank res
CR6-CCV	0.20185	0.0	0.121	Blank resp. low
CR6-CCB	0.00347	0.0	0.001	Blank resp. low, Rule 1 v
CR6-CCV	0.20459	0.0	0.123	Blank resp. low
99108a2 100	0.25762	0.0	0.000	Test limit low

TestAmerica Savannah
Konelab 2

05.03.2014 17:45

Test: CR+6

Sample Id	Result	Dil. 1 +	Response	Errors
99108a2ms 100	17.32697	0.0	0.104	
99108a2msd 100	17.70716	0.0	0.106	
99116k1	0.00484	0.0	0.001	
99116k2	0.00322	0.0	0.000	Blank resp. low
99116k3	0.00002	0.0	-0.002	Test limit low
CR6-CCB	0.00252	0.0	-0.000	Test limit low, Blank res
CR6-CCV	0.20403	0.0	0.123	Blank resp. low
CR6-CCB	0.00302	0.0	0.000	Blank resp. low, Rule 1 v
CR6-CCV	0.21003	0.0	0.126	Blank resp. low
99108a2 100	2.66904	0.0	0.015	
99108a2ms 100	19.82238	0.0	0.119	
99108a2msd 100	19.81972	0.0	0.119	
99116k1	0.00525	0.0	0.002	
99116k2	0.00287	0.0	0.000	Test limit low, Blank res
99116k3	0.00077	0.0	-0.001	Test limit low
CR6-CCB	0.00257	0.0	0.000	Test limit low, Blank res
CR6-CCV	0.20478	0.0	0.123	Blank resp. low

N	39
Mean	7.86587
SD	9.178132
CV%	116.68

PC-TitratION PLUS

Water Analysis Report

Run Number 6652 **Order Number** 20140313-2

SampleID	RunDate	RunTime	cond (uS)	Salinity	Resistivity	pH	palk-ppm	talk-ppm	bcarb-ppm	carb-ppm	hydr-ppm	F-ppm	Temp	Acidity	FCO2	Vol of NaOH (8.3)	Vol of H2SO4 (8.3)	Vol of H2SO4 (4.5)	Vol of H2SO4 (4.2)
tap h2o	3/13/2014	1:53 PM	295.00	.00	0.0034	7.61	.00	111.18	110.74	.42	.02	-1.00	22.51	-1.00	5.50	-1.00	0.000	2.780	2.862
DI	3/13/2014	1:59 PM	.00	.00	-0.6897	5.59	.00	.17	.17	.00	.00	-1.00	21.90	-1.00	.87	-1.00	0.000	0.028	0.051
ph icv	3/13/2014	2:11 PM	-1.00	-1.00	-1.0000	6.96	-1.00	-1.00	-1.00	.00	.00	-1.00	22.22	-1.00	-.22	-1.00	-1.000	-1.000	-1.000
di	3/13/2014	2:17 PM	.00	.00	-2.2222	6.32	.00	.76	.76	.00	.00	-1.00	21.93	-1.00	.72	-1.00	0.000	0.050	0.082
mb	3/13/2014	2:23 PM	.00	.00	-0.9259	5.72	.00	.11	.11	.00	.00	-1.00	21.99	-1.00	.42	-1.00	0.000	0.032	0.062
lcs	3/13/2014	2:31 PM	602.00	.00	0.0017	10.47	135.74	260.36	64.91	180.65	14.80	-1.00	22.23	-1.00	.00	-1.00	3.393	6.509	6.578
640-47092-v-1	3/13/2014	2:37 PM	1,019.00	.00	0.0010	6.56	.00	33.41	33.39	.01	.00	-1.00	22.43	-1.00	18.50	-1.00	0.000	0.835	0.888
680-99184-e-1	3/13/2014	2:44 PM	975.00	.00	0.0010	7.28	.00	135.26	135.00	.24	.01	-1.00	22.40	-1.00	14.03	-1.00	0.000	3.381	3.449
680-99184-e-2	3/13/2014	2:50 PM	952.00	.00	0.0011	7.53	.00	208.88	208.20	.67	.02	-1.00	22.43	-1.00	12.20	-1.00	0.000	5.222	5.302
680-99111-a-1	3/13/2014	2:57 PM	142.80	.00	0.0070	7.51	.00	55.75	55.56	.17	.02	-1.00	22.42	-1.00	3.46	-1.00	0.000	1.394	1.442
680-99111-A-2	3/13/2014	3:00 PM	4,400.00	.00	0.0002	3.75	.00	.00	.00	.00	.00	-1.00	22.40	-1.00	.00	-1.00	0.000	0.000	0.000
680-99111-a-3	3/13/2014	3:10 PM	1,703.00	.00	0.0006	7.20	.00	380.80	380.22	.57	.01	-1.00	22.43	-1.00	47.57	-1.00	0.000	9.520	9.755
680-99111-a-4	3/13/2014	3:16 PM	266.00	.00	0.0038	7.69	.00	107.02	106.50	.49	.02	-1.00	22.55	-1.00	4.35	-1.00	0.000	2.675	2.738
680-99111-a-4 DU	3/13/2014	3:23 PM	265.00	.00	0.0038	7.68	.00	107.39	106.88	.48	.02	-1.00	22.43	-1.00	4.44	-1.00	0.000	2.685	2.750
CCVph	3/13/2014	3:26 PM	-1.00	-1.00	-1.0000	7.07	-1.00	-1.00	-1.00	.00	.01	-1.00	22.34	-1.00	-.17	-1.00	-1.000	-1.000	-1.000
680-99111-a-5	3/13/2014	3:33 PM	447.00	.00	0.0022	7.70	.00	117.00	116.44	.54	.02	-1.00	22.25	-1.00	4.70	-1.00	0.000	2.925	2.986
680-99111-a-6	3/13/2014	3:40 PM	546.00	.00	0.0018	7.79	.00	121.43	120.69	.70	.03	-1.00	22.31	-1.00	3.89	-1.00	0.000	3.036	3.099
680-99111-a-7	3/13/2014	3:46 PM	643.00	.00	0.0016	7.68	.00	197.87	196.96	.89	.02	-1.00	22.31	-1.00	8.22	-1.00	0.000	4.947	5.027
680-99111-a-8	3/13/2014	3:53 PM	654.00	.00	0.0015	7.86	.00	125.80	124.92	.84	.04	-1.00	22.29	-1.00	3.47	-1.00	0.000	3.145	3.212
680-99116-a-1	3/13/2014	4:10 PM	8,280.00	.00	0.0001	8.29	.00	1,400.12	1,374.95	25.08	.10	-1.00	22.28	-1.00	14.17	-1.00	0.000	35.003	35.673
680-99116-a-2	3/13/2014	4:15 PM	1,872.00	.00	0.0005	5.15	.00	5.46	5.46	.00	.00	-1.00	22.63	-1.00	77.03	-1.00	0.000	0.193	0.249
680-99116-a-3	3/13/2014	4:22 PM	2,440.00	.00	0.0004	7.40	.00	370.78	369.89	.87	.01	-1.00	22.32	-1.00	29.41	-1.00	0.000	9.270	9.389
680-99116-a-4	3/13/2014	4:37 PM	13,340.00	.00	0.0001	7.07	.00	1,267.40	1,265.99	1.40	.01	-1.00	22.31	-1.00	214.88	-1.00	0.000	31.685	32.162
680-99116-a-5	3/13/2014	4:46 PM	784.00	.00	0.0013	7.81	.00	290.58	288.78	1.76	.03	-1.00	22.39	-1.00	8.89	-1.00	0.000	7.264	7.362
680-99116-a-5 DU	3/13/2014	4:53 PM	774.00	.00	0.0013	7.78	.00	271.17	269.62	1.53	.03	-1.00	22.32	-1.00	8.95	-1.00	0.000	6.779	6.871
CCV	3/13/2014	4:57 PM	-1.00	-1.00	-1.0000	7.09	-1.00	-1.00	-1.00	.00	.01	-1.00	22.29	-1.00	-.16	-1.00	-1.000	-1.000	-1.000
680-99116-a-6	3/13/2014	5:03 PM	330.00	.00	0.0030	7.85	.00	113.49	112.69	.76	.04	-1.00	22.19	-1.00	3.15	-1.00	0.000	2.837	2.901

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Run Number 6652 **Order Number** 20140313-2

SampleID	RunDate	RunTime	cond (uS)	Salinity	Resistivity	pH	palk-ppm	talk-ppm	bcarb-ppm	carb-ppm	hydr-ppm	F-ppm	Temp	Acidity	FCO2	Vol of NaOH (8.3)	Vol of H2SO4 (8.3)	Vol of H2SO4 (4.5)	Vol of H2SO4 (4.2)
680-99116-a-7	3/13/2014	5:16 PM	6,410.00	.00	0.0002	8.42	25.58	1,026.19	1,001.49	24.57	.13	-1.00	22.22	-1.00	7.67	-1.00	0.640	25.655	26.243
680-99116-a-8	3/13/2014	5:30 PM	16,170.00	.00	0.0001	6.79	.00	1,122.37	1,121.72	.65	.00	-1.00	22.46	-1.00	364.26	-1.00	0.000	28.059	28.561
680-99116-a-9	3/13/2014	5:37 PM	335.00	.00	0.0030	8.23	.00	142.76	140.42	2.25	.09	-1.00	22.61	-1.00	1.64	-1.00	0.000	3.569	3.653
CCV	3/13/2014	5:41 PM	-1.00	-1.00	-1.0000	7.08	-1.00	-1.00	-1.00	.00	.01	-1.00	22.45	-1.00	-.17	-1.00	-1.000	-1.000	-1.000
LCSD	3/13/2014	5:49 PM	597.00	.00	0.0017	10.49	128.71	262.52	63.79	183.44	15.30	-1.00	22.25	-1.00	.00	-1.00	3.218	6.563	6.637

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PC-TitratION PLUS
Calibration Report

Calibration Record # 2176

Calibration Settings

Calibration ID	PH CAL 4-7-10	Date	3/13/2014
Channel	1	Time	2:08 PM
Probe Type	pH	Temperature	295.26 K 22.11 C
Probe ID	PH ELECTRODE	Analysis Type	Single Line Fit

Calibration Results

Slope	-58.857	CorrCoeff	0.9998
Intercept	12.127	Equation: Y = (-58.857) X + (12.127)	

Calibration Validity **True** Operator

	Result	Minimum	Maximum
Slope	-58.857	-65.00	-53.00
Intercept	12.127	-100.00	100.00
Correlation Coefficient	0.9998	0.99	1.00

Note: "True" means the calibration was within the specified ranges
"False" means the calibration was NOT within the specified ranges

Calibration Data	**Standard**	**Reading**
	4.00	190.55
	7.00	8.42
	10.00	-162.59

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Water Analysis Report

Run Number 6656 **Order Number** 20140314-4

SampleID	RunDate	RunTime	cond (uS)	Salinity	Resistivity	pH	palk-ppm	talk-ppm	bcarb-ppm	carb-ppm	hydr-ppm	F-ppm	Temp	Acidity	FCO2	Vol of NaOH (8.3)	Vol of H2SO4 (8.3)	Vol of H2SO4 (4.5)	Vol of H2SO4 (4.2)
tap h2o	3/14/2014	12:29 PM	316.00	.00	0.0032	7.56	.00	146.27	145.75	.49	.02	-1.00	23.01	-1.00	8.07	-1.00	0.000	3.657	3.740
DI	3/14/2014	12:35 PM	.13	.00	7.6923	6.15	.00	.95	.95	.00	.00	-1.00	22.43	-1.00	1.35	-1.00	0.000	0.047	0.071
ph icv	3/14/2014	12:47 PM	-1.00	-1.00	-1.0000	6.96	-1.00	-1.00	-1.00	.00	.00	-1.00	22.02	-1.00	-.22	-1.00	-1.000	-1.000	-1.000
di	3/14/2014	12:53 PM	.00	.00	-16.6667	6.19	.00	.75	.75	.00	.00	-1.00	22.05	-1.00	.97	-1.00	0.000	0.052	0.085
mb	3/14/2014	12:59 PM	.00	.00	-1.1494	5.66	.00	.22	.22	.00	.00	-1.00	22.26	-1.00	.96	-1.00	0.000	0.037	0.068
lcs	3/14/2014	1:06 PM	600.00	.00	0.0017	10.42	121.29	248.88	67.89	167.84	13.15	-1.00	22.35	-1.00	.01	-1.00	3.032	6.222	6.292
680-99116-a-10	3/14/2014	1:13 PM	980.00	.00	0.0010	7.76	.00	188.81	187.75	1.03	.03	-1.00	22.46	-1.00	6.46	-1.00	0.000	4.720	4.819
680-99116-a-11	3/14/2014	1:19 PM	1,000.00	.00	0.0010	7.88	.00	165.12	163.93	1.16	.04	-1.00	22.46	-1.00	4.36	-1.00	0.000	4.128	4.198
680-99116-a-12	3/14/2014	1:28 PM	1,898.00	.00	0.0005	7.68	.00	287.97	286.65	1.30	.02	-1.00	22.40	-1.00	11.93	-1.00	0.000	7.199	7.284
680-99116-a-13	3/14/2014	1:34 PM	905.00	.00	0.0011	7.77	.00	117.10	116.43	.65	.03	-1.00	22.49	-1.00	3.93	-1.00	0.000	2.928	2.984
680-99116-a-14	3/14/2014	1:41 PM	795.00	.00	0.0013	7.77	.00	94.86	94.32	.52	.03	-1.00	22.48	-1.00	3.23	-1.00	0.000	2.372	2.426
680-99155-b-1@10	3/14/2014	1:48 PM	1,535.00	.00	0.0007	8.01	.00	266.77	264.19	2.53	.05	-1.00	22.63	-1.00	5.18	-1.00	0.000	6.669	6.804
680-99155-b-2@10	3/14/2014	1:55 PM	1,271.00	.00	0.0008	9.14	36.29	282.31	248.97	32.64	.70	-1.00	22.58	-1.00	.36	-1.00	0.907	7.058	7.191
680-99155-b-2 DU@10	3/14/2014	2:04 PM	1,278.00	.00	0.0008	9.15	36.39	292.52	257.83	33.99	.70	-1.00	22.54	-1.00	.37	-1.00	0.910	7.313	7.442
CCVph	3/14/2014	2:07 PM	-1.00	-1.00	-1.0000	7.08	-1.00	-1.00	-1.00	.00	.01	-1.00	22.61	-1.00	-.17	-1.00	-1.000	-1.000	-1.000
680-99155-b-3@5	3/14/2014	2:13 PM	1,134.00	.00	0.0009	6.42	.00	16.25	16.25	.00	.00	-1.00	22.43	-1.00	12.26	-1.00	0.000	0.467	0.527
680-99155-b-4@10	3/14/2014	2:20 PM	1,314.00	.00	0.0008	7.88	.00	253.50	251.65	1.81	.04	-1.00	22.46	-1.00	6.57	-1.00	0.000	6.338	6.472
680-99155-b-5@10	3/14/2014	2:28 PM	2,190.00	.00	0.0005	7.54	.00	377.92	376.67	1.24	.02	-1.00	22.49	-1.00	21.58	-1.00	0.000	9.448	9.627
680-99155-b-6@10	3/14/2014	2:37 PM	1,731.00	.00	0.0006	7.59	.00	371.03	369.65	1.35	.02	-1.00	22.51	-1.00	18.98	-1.00	0.000	9.276	9.437
680-99155-b-7@5	3/14/2014	2:45 PM	2,420.00	.00	0.0004	8.70	27.55	495.41	472.80	22.36	.25	-1.00	22.58	-1.00	1.88	-1.00	0.689	12.385	12.562
680-99155-b-8@5	3/14/2014	2:54 PM	2,400.00	.00	0.0004	8.74	28.82	482.40	458.33	23.80	.28	-1.00	22.72	-1.00	1.66	-1.00	0.720	12.060	12.221
680-99155-a-9@5	3/14/2014	3:06 PM	1,865.00	.00	0.0005	7.70	.00	836.20	832.25	3.92	.03	-1.00	22.69	-1.00	33.23	-1.00	0.000	20.905	21.167
680-99155-c-10@10	3/14/2014	3:13 PM	640.00	.00	0.0016	7.34	.00	125.33	125.06	.26	.01	-1.00	22.75	-1.00	11.49	-1.00	0.000	3.133	3.228
680-99155-b-11@10	3/14/2014	3:19 PM	674.00	.00	0.0015	7.77	.00	80.03	79.55	.44	.03	-1.00	22.57	-1.00	2.67	-1.00	0.000	2.001	2.093
680-99155-b-11 DU@10	3/14/2014	3:26 PM	675.00	.00	0.0015	7.80	.00	79.89	79.38	.47	.03	-1.00	22.55	-1.00	2.52	-1.00	0.000	1.997	2.092
CCV	3/14/2014	3:30 PM	-1.00	-1.00	-1.0000	7.10	-1.00	-1.00	-1.01	.00	.01	-1.00	22.54	-1.00	-.16	-1.00	-1.000	-1.000	-1.000
680-99155-b-12@10	3/14/2014	3:38 PM	4,540.00	.00	0.0002	9.70	87.95	400.01	271.19	126.34	2.48	-1.00	22.35	-1.00	.11	-1.00	2.199	10.000	10.420

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Run Number 6656 **Order Number** 20140314-4

SampleID	RunDate	RunTime	cond (uS)	Salinity	Resistivity	pH	palk-ppm	talk-ppm	bcarb-ppm	carb-ppm	hydr-ppm	F-ppm	Temp	Acidity	FCO2	Vol of NaOH (8.3)	Vol of H2SO4 (8.3)	Vol of H2SO4 (4.5)	Vol of H2SO4 (4.2)
680-99155-a-13@5	3/14/2014	3:46 PM	1,307.00	.00	0.0008	7.15	.00	269.77	269.40	.36	.01	-1.00	22.58	-1.00	38.36	-1.00	0.000	6.744	6.897
680-99155-a-14@5	3/14/2014	4:00 PM	5,620.00	.00	0.0002	9.94	493.82	1,236.20	675.39	556.43	4.38	-1.00	22.64	-1.00	.15	-1.00	12.345	30.905	31.210
680-99155-a-15@5	3/14/2014	4:09 PM	1,292.00	.00	0.0008	7.37	.00	530.43	529.26	1.16	.01	-1.00	22.95	-1.00	45.31	-1.00	0.000	13.261	13.453
CCV	3/14/2014	4:13 PM	-1.00	-1.00	-1.0000	7.09	-1.00	-1.00	-1.00	.00	.01	-1.00	22.78	-1.00	-.16	-1.00	-1.000	-1.000	-1.000
LCSD	3/14/2014	4:22 PM	600.00	.00	0.0017	10.30	114.83	260.74	87.41	163.38	9.94	-1.00	22.48	-1.00	.01	-1.00	2.871	6.518	6.585

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PC-TitratION PLUS

Historical Data Report

Run Number 6645 **Order Number** 20140311-1

SampleID	RunDate	RunTime	cond (uS)	pH	palk-ppm	talk-ppm	bcarb ppm	carb ppm	hydr ppm	F-ppm	Acid	Salin	Rest	Temp	FCO2	Vol of H2SO4 (8.3)	Vol of H2SO4 (4.5)	Vol of H2SO4 (4.2)
DI RINSE	3/11/2014	9:33 AM	.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	-.76	-1.00	,000,000.	-1.000	-1.000	-1.000
CAL CHECK 1413	3/11/2014	9:35 AM	1,415.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.00	-1.00	,000,000.	-1.000	-1.000	-1.000
DI RINSE	3/11/2014	9:36 AM	.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	-.78	-1.00	,000,000.	-1.000	-1.000	-1.000
640-47048-a-6	3/11/2014	9:38 AM	43.60	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.02	-1.00	,000,000.	-1.000	-1.000	-1.000
640-47048-a-10	3/11/2014	9:40 AM	292.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.00	-1.00	,000,000.	-1.000	-1.000	-1.000
640-47048-a-2	3/11/2014	9:41 AM	45.30	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.02	-1.00	,000,000.	-1.000	-1.000	-1.000
640-47048-a-1	3/11/2014	9:43 AM	218.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.00	-1.00	,000,000.	-1.000	-1.000	-1.000
640-47048-a-4	3/11/2014	9:44 AM	301.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.00	-1.00	,000,000.	-1.000	-1.000	-1.000
640-47048-a-7	3/11/2014	9:46 AM	70.40	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.01	-1.00	,000,000.	-1.000	-1.000	-1.000
640-47048-a-8	3/11/2014	9:47 AM	394.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.00	-1.00	,000,000.	-1.000	-1.000	-1.000
640-47048-a-9	3/11/2014	9:49 AM	38.80	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.03	-1.00	,000,000.	-1.000	-1.000	-1.000
640-47048-a-11	3/11/2014	9:50 AM	93.40	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.01	-1.00	,000,000.	-1.000	-1.000	-1.000
640-47048-a-12	3/11/2014	9:52 AM	54.70	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.02	-1.00	,000,000.	-1.000	-1.000	-1.000
640-47048-a-13	3/11/2014	9:54 AM	34.20	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.03	-1.00	,000,000.	-1.000	-1.000	-1.000
640-47048-a-14	3/11/2014	9:55 AM	56.80	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.02	-1.00	,000,000.	-1.000	-1.000	-1.000
640-47048-a-3	3/11/2014	9:57 AM	147.20	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.01	-1.00	,000,000.	-1.000	-1.000	-1.000
640-47048-a-5	3/11/2014	9:58 AM	79.80	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.01	-1.00	,000,000.	-1.000	-1.000	-1.000
680-99155-b-17	3/11/2014	10:00 AM	17,080.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.00	-1.00	,000,000.	-1.000	-1.000	-1.000
680-99155-b-16	3/11/2014	10:01 AM	21,800.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.00	-1.00	,000,000.	-1.000	-1.000	-1.000
680-99155-b-15	3/11/2014	10:03 AM	4,840.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.00	-1.00	,000,000.	-1.000	-1.000	-1.000
680-99155-b-19	3/11/2014	10:04 AM	7,440.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.00	-1.00	,000,000.	-1.000	-1.000	-1.000
680-99155-b-18	3/11/2014	10:06 AM	7,790.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.00	-1.00	,000,000.	-1.000	-1.000	-1.000
680-99155-b-14	3/11/2014	10:08 AM	17,320.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.00	-1.00	,000,000.	-1.000	-1.000	-1.000
640-47048-a-16	3/11/2014	10:10 AM	51.60	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.02	-1.00	,000,000.	-1.000	-1.000	-1.000
680-99212-e-1	3/11/2014	10:12 AM	357.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.00	-1.00	,000,000.	-1.000	-1.000	-1.000
640-47048-a-15	3/11/2014	10:13 AM	133.20	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.01	-1.00	,000,000.	-1.000	-1.000	-1.000
640-47048-a-17	3/11/2014	10:15 AM	375.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.00	-1.00	,000,000.	-1.000	-1.000	-1.000

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Run Number 6646 **Order Number** 20140311-1

SampleID	RunDate	RunTime	cond (uS)	pH	palk-ppm	talk-ppm	bcarb ppm	carb ppm	hydr ppm	F-ppm	Acid	Salin	Rest	Temp	FCO2	Vol of H2SO4 (8.3)	Vol of H2SO4 (4.5)	Vol of H2SO4 (4.2)
640-47048-a-18	3/11/2014	10:16 AM	96.60	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.01	-1.00	,000,000.	-1.000	-1.000	-1.000
160-5829-c-2	3/11/2014	10:18 AM	317.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.00	-1.00	,000,000.	-1.000	-1.000	-1.000
160-5829-c-3	3/11/2014	10:20 AM	265.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.00	-1.00	,000,000.	-1.000	-1.000	-1.000
160-5829-c-4	3/11/2014	10:21 AM	273.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.00	-1.00	,000,000.	-1.000	-1.000	-1.000
680-99184-e-1	3/11/2014	10:23 AM	904.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.00	-1.00	,000,000.	-1.000	-1.000	-1.000
680-99184-e-2	3/11/2014	10:24 AM	900.00	-1.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	.00	.00	-1.00	,000,000.	-1.000	-1.000	-1.000

PC-TitratION PLUS by Man-Tech Associates, Inc.

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	Sample Name	Sample ID	Dilution	Result	Action	Date / Time	Vial
1	ICV		1.000	NPOC:19.25mg/L		3/5/2014 8:52	1
2	ICB		1.000	NPOC:0.1476mg/L		3/5/2014 9:08	2
3	BICARB		1.000	NPOC:2.312mg/L		3/5/2014 9:36	3
4	RLV		1.000	NPOC:1.199mg/L		3/5/2014 9:53	4
5	LCS	415	1.000	NPOC:19.05mg/L		3/5/2014 10:0	5
6	LCSD		1.000	NPOC:18.90mg/L		3/5/2014 10:1	5
7	680-99066-a-1	10	1.000	NPOC:79.84mg/L		3/5/2014 10:3	6
8	LCS	415TC	1.000	TC:20.09mg/L		3/5/2014 10:4	7
9	LCSD	415TC	1.000	TC:19.58mg/L		3/5/2014 10:5	7
10	MB		1.000	TC:0.5780mg/L		3/5/2014 11:0	8
11	680-98834-t-1		1.000	TC:6.962mg/L		3/5/2014 11:1	9
12	MB		1.000	!!Failed!! TC:-0.4422m		3/5/2014 11:3	8
13	CCV		1.000	NPOC:49.43mg/L		3/5/2014 11:4	19
14	CCB		1.000	NPOC:0.3284mg/L		3/5/2014 12:0	20
15	CCV		1.000	NPOC:49.55mg/L		3/5/2014 12:1	10
16	CCB		1.000	NPOC:0.2646mg/L		3/5/2014 12:3	11
17	LCS	9060	1.000	NPOC:19.40mg/L		3/5/2014 12:5	12
18	680-98888-c-2		1.000	NPOC:1.556mg/L		3/5/2014 1:10	13
19	680-98888-d-3		1.000	NPOC:2.658mg/L		3/5/2014 1:28	14
20	680-98888-e-3 MS		1.000	NPOC:21.01mg/L		3/5/2014 1:45	15
21	680-98888-e-3 MSD		1.000	NPOC:20.82mg/L		3/5/2014 1:58	15
22	680-98888-d-4		1.000	NPOC:2.376mg/L		3/5/2014 2:16	16
23	680-98888-c-5		1.000	NPOC:4.203mg/L		3/5/2014 2:35	17
24	680-98888-d-7	10	1.000	NPOC:576.0mg/L		3/5/2014 2:52	18
25	CCV		1.000	NPOC:50.12mg/L		3/5/2014 3:11	10
26	CCB		1.000	NPOC:0.3102mg/L		3/5/2014 3:29	11

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	ICV
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

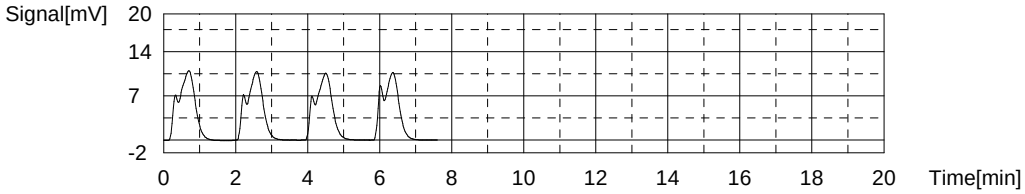
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.25mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.28	20.21mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:46:09 AM
2	34.66	19.29mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:48:12 AM
3	34.79	19.36mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:50:15 AM
4	34.33	19.10mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:52:18 AM

Mean Area 34.59
Mean Conc. 19.25mg/L



Sample

Sample Name:	ICB
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

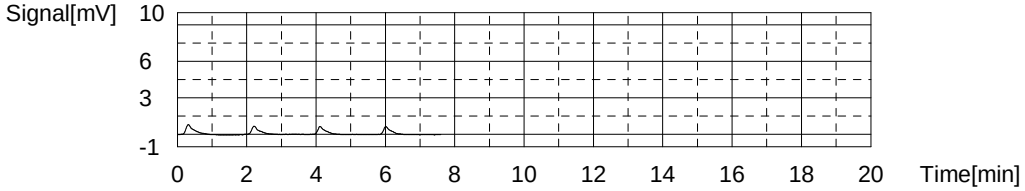
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1476mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.332	0.3589mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:02:34 AM
2	0.9938	0.1668mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:04:37 AM
3	0.9874	0.1632mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:06:40 AM
4	0.8988	0.1129mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:08:43 AM

Mean Area 0.9600
Mean Conc. 0.1476mg/L



Sample

Sample Name: BICARB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

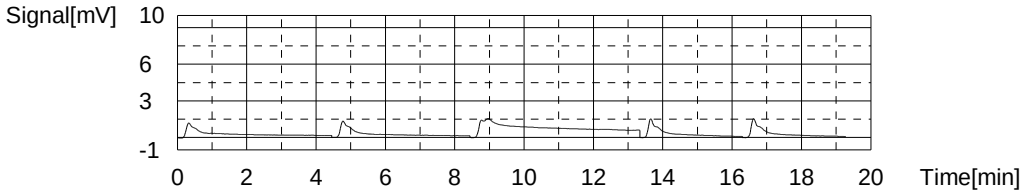
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.312mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.889	2.947mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:21:18 AM
2	4.989	2.436mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:25:25 AM
3	14.57	7.878mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:30:28 AM
4	4.658	2.248mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:33:35 AM
5	4.663	2.251mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:36:42 AM

Mean Area 4.770
Mean Conc. 2.312mg/L



Sample

Sample Name: RLV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

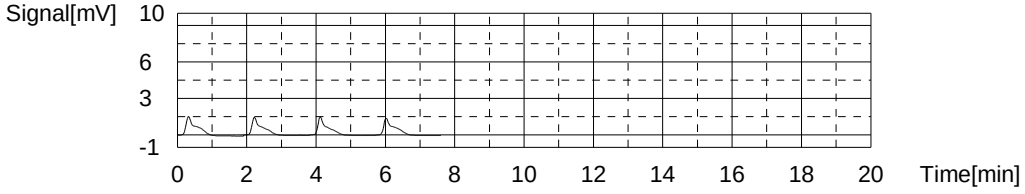
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.199mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.062	1.342mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:46:51 AM
2	2.824	1.206mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:48:54 AM
3	2.742	1.160mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:50:57 AM
4	2.868	1.231mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:53:00 AM

Mean Area 2.811
Mean Conc. 1.199mg/L



Sample

Sample Name: LCS
Sample ID: 415
Origin: TOC415.1A.met
Status Completed
Chk. Result

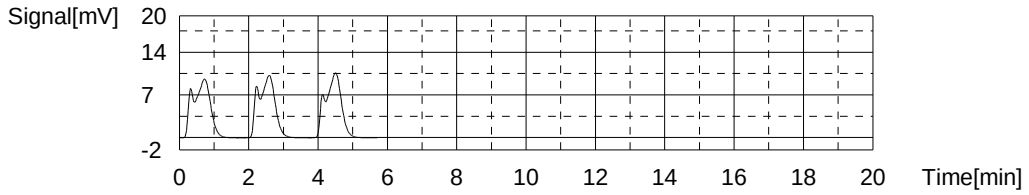
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.05mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.17	19.01mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:03:15 AM
2	34.34	19.11mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:05:18 AM
3	34.23	19.04mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:07:21 AM

Mean Area 34.25
Mean Conc. 19.05mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

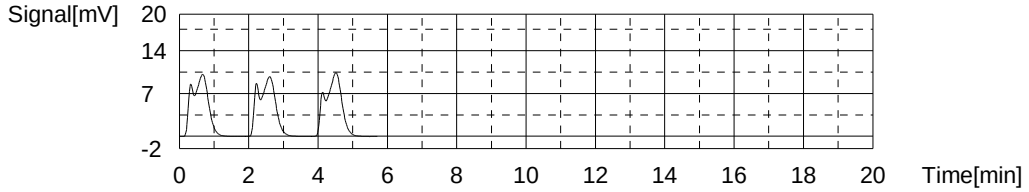
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.90mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.40	18.57mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:14:09 AM
2	34.17	19.01mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:16:12 AM
3	34.35	19.11mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:18:15 AM

Mean Area 33.97
Mean Conc. 18.90mg/L



Sample

Sample Name: 680-99066-a-1
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

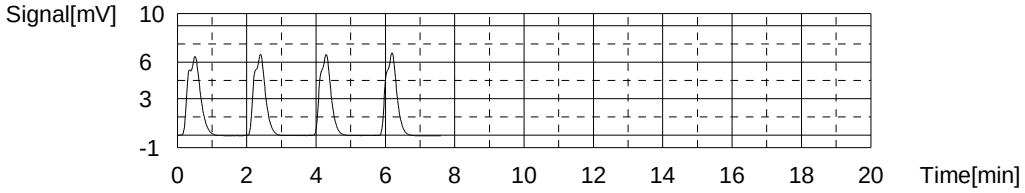
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:79.84mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.98	86.79mg/L	50uL	10	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:29:12 AM
2	15.04	81.45mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:31:15 AM
3	14.47	78.21mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:33:18 AM
4	14.76	79.86mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:35:21 AM

Mean Area 14.76
Mean Conc. 79.84mg/L



Sample

Sample Name: LCS
Sample ID: 415TC
Origin: TC415.1.met
Status Completed
Chk. Result

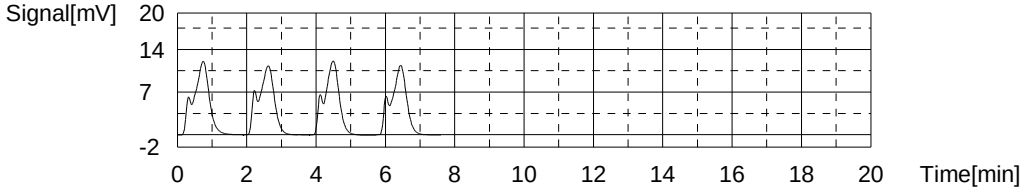
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:20.09mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.89	21.12mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:41:12 AM
2	36.44	20.30mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:43:16 AM
3	36.35	20.25mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:45:19 AM
4	35.43	19.73mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:47:22 AM

Mean Area 36.07
Mean Conc. 20.09mg/L



Sample

Sample Name: LCSD
Sample ID: 415TC
Origin: TC415.1.met
Status Completed
Chk. Result

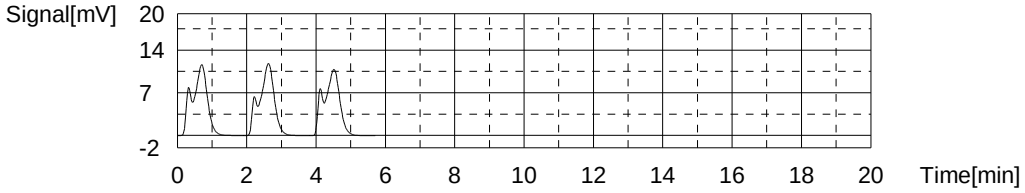
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:19.58mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.30	19.65mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:51:24 AM
2	35.29	19.65mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:53:27 AM
3	34.91	19.43mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:55:31 AM

Mean Area 35.17
Mean Conc. 19.58mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TC415.1.met
Status Completed
Chk. Result

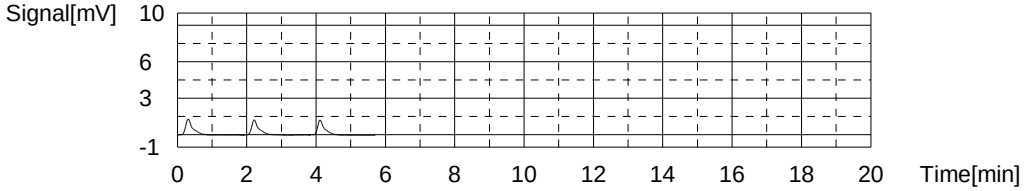
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:0.5780mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.801	0.6253mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:01:23 AM
2	1.689	0.5617mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:03:26 AM
3	1.663	0.5469mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:05:29 AM

Mean Area 1.718
Mean Conc. 0.5780mg/L



Sample

Sample Name: 680-98834-t-1
Sample ID:
Origin: TC415.1.met
Status Completed
Chk. Result

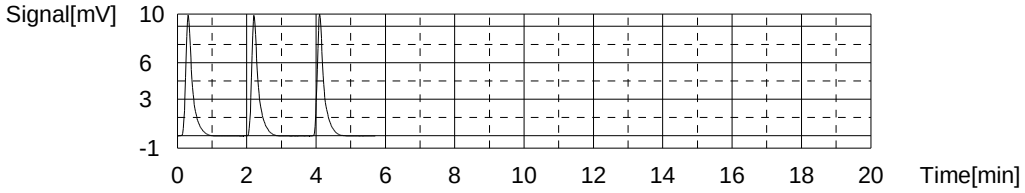
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:6.962mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.93	6.946mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:11:22 AM
2	12.97	6.969mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:13:25 AM
3	12.97	6.969mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:15:28 AM

Mean Area 12.96
Mean Conc. 6.962mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TC415.1.met
Status Completed
Chk. Result

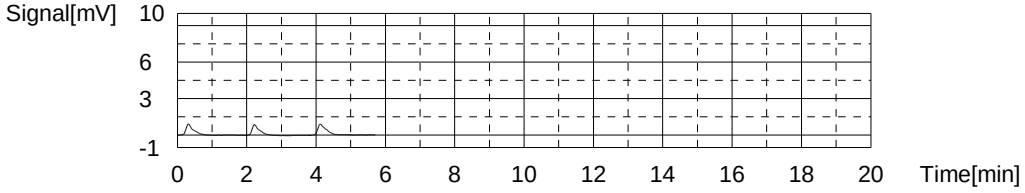
Type	Anal.	Dil.	Result
Unknown	TC	1.000	!!Failed!! TC:-0.4422mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.330	-0.4667mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/5/2014 11:26:33 AM
2	1.311	-0.4776mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/5/2014 11:28:36 AM
3	1.477	-0.3824mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/5/2014 11:30:40 AM

Mean Area 1.373
Mean Conc. -0.4422mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

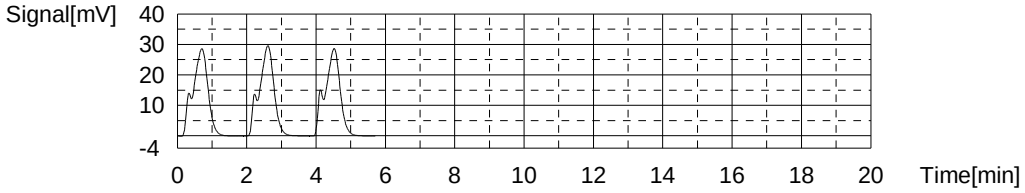
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.43mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.51	49.31mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:40:48 AM
2	87.86	49.51mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:42:52 AM
3	87.83	49.49mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:44:55 AM

Mean Area 87.73
Mean Conc. 49.43mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

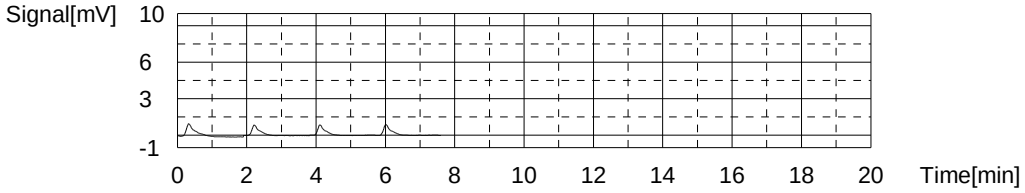
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3284mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.768	0.6066mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:54:58 AM
2	1.281	0.3300mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:57:02 AM
3	1.248	0.3112mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:59:05 AM
4	1.306	0.3442mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:01:08 PM

Mean Area 1.278
Mean Conc. 0.3284mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

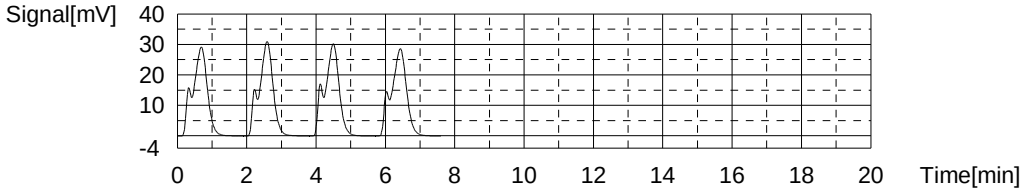
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.55mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.13	48.52mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:11:33 PM
2	87.85	49.50mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:13:36 PM
3	89.12	50.22mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:15:40 PM
4	88.67	49.97mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:17:43 PM

Mean Area 87.94
Mean Conc. 49.55mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

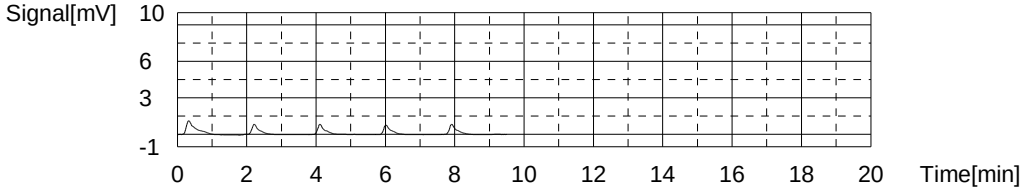
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2646mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.161	0.8298mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:27:58 PM
2	1.162	0.2624mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:30:02 PM
3	1.151	0.2561mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:32:05 PM
4	1.127	0.2425mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:34:08 PM
5	1.224	0.2976mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:36:11 PM

Mean Area 1.166
Mean Conc. 0.2646mg/L



Sample

Sample Name: LCS
Sample ID: 9060
Origin: TOC9060.met
Status Completed
Chk. Result

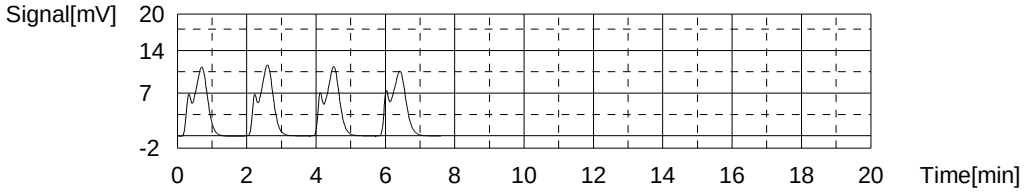
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.40mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.78	19.36mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:46:07 PM
2	34.78	19.36mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:48:11 PM
3	34.87	19.41mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:50:15 PM
4	35.00	19.48mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:52:18 PM

Mean Area 34.86
Mean Conc. 19.40mg/L



Sample

Sample Name: 680-98888-c-2
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

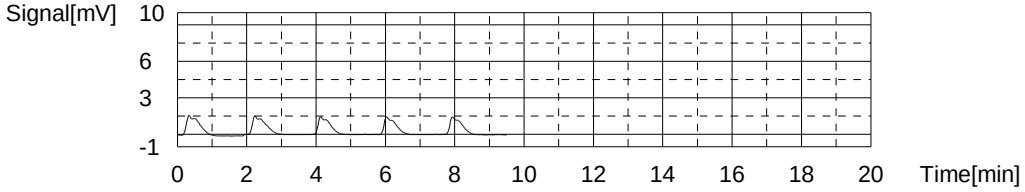
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.556mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.139	1.953mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:02:20 PM
2	3.856	1.793mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:04:23 PM
3	3.355	1.508mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:06:26 PM
4	3.288	1.470mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:08:29 PM
5	3.261	1.455mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:10:32 PM

Mean Area 3.440
Mean Conc. 1.556mg/L



Sample

Sample Name: 680-98888-d-3
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

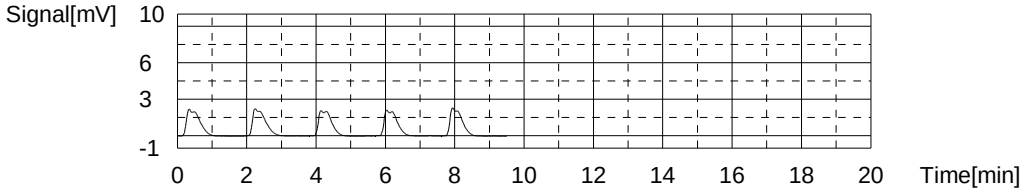
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.658mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.631	2.801mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:20:43 PM
2	5.585	2.775mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:22:47 PM
3	5.289	2.606mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:24:50 PM
4	5.243	2.580mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:26:53 PM
5	5.399	2.669mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:28:56 PM

Mean Area 5.379
Mean Conc. 2.658mg/L



Sample

Sample Name: 680-98888-e-3 MS
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

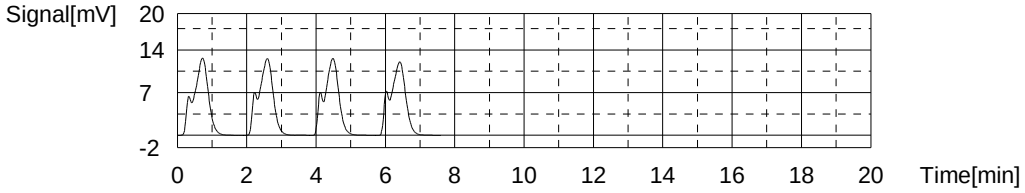
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.01mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.92	21.14mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:39:06 PM
2	37.77	21.06mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:41:10 PM
3	37.27	20.77mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:43:13 PM
4	37.79	21.07mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:45:16 PM

Mean Area 37.69
Mean Conc. 21.01mg/L



Sample

Sample Name: 680-98888-e-3 MSD
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

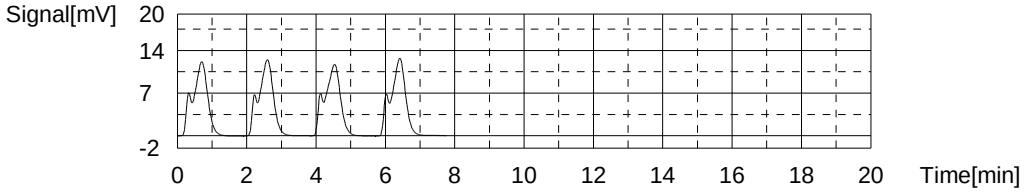
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.82mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.77	20.49mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:52:01 PM
2	37.09	20.67mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:54:04 PM
3	37.55	20.93mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:56:07 PM
4	38.02	21.20mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:58:19 PM

Mean Area 37.36
Mean Conc. 20.82mg/L



Sample

Sample Name: 680-98888-d-4
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

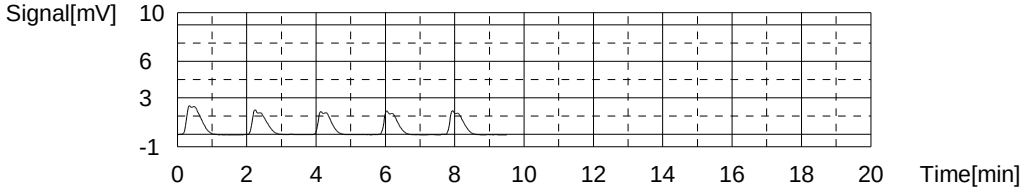
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.376mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.460	3.272mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:08:35 PM
2	5.187	2.549mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:10:38 PM
3	4.673	2.257mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:12:41 PM
4	4.808	2.333mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:14:44 PM
5	4.864	2.365mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:16:50 PM

Mean Area 4.883
Mean Conc. 2.376mg/L



Sample

Sample Name: 680-98888-c-5
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

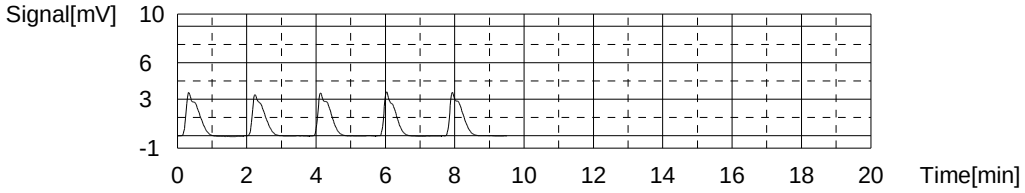
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.203mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.339	4.339mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:27:19 PM
2	7.637	3.940mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:29:23 PM
3	8.225	4.274mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:31:27 PM
4	7.555	3.894mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:33:30 PM
5	8.197	4.258mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:35:34 PM

Mean Area 8.100
Mean Conc. 4.203mg/L



Sample

Sample Name: 680-98888-d-7
Sample ID: 10
Origin: TOC9060.met
Status Completed
Chk. Result

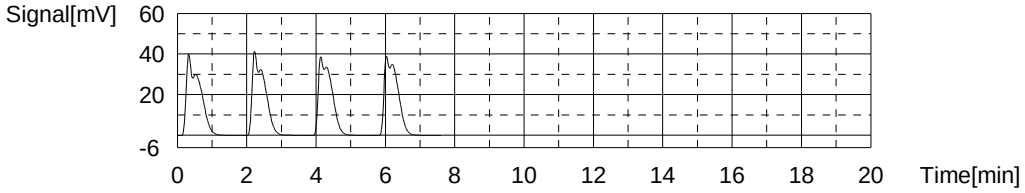
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:576.0mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	104.6	590.1mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:46:26 PM
2	101.1	570.3mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:48:29 PM
3	99.92	563.6mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:50:33 PM
4	102.8	579.9mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:52:36 PM

Mean Area 102.1
Mean Conc. 576.0mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

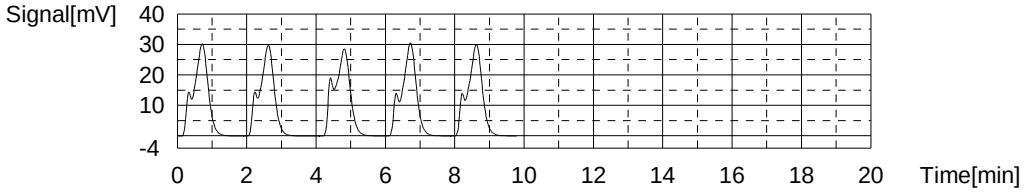
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.12mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	89.06	50.19mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:02:50 PM
2	87.58	49.35mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:05:10 PM
3	92.43	52.10mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:07:13 PM
4	89.67	50.53mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:09:16 PM
5	89.43	50.40mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:11:20 PM

Mean Area 88.94
Mean Conc. 50.12mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

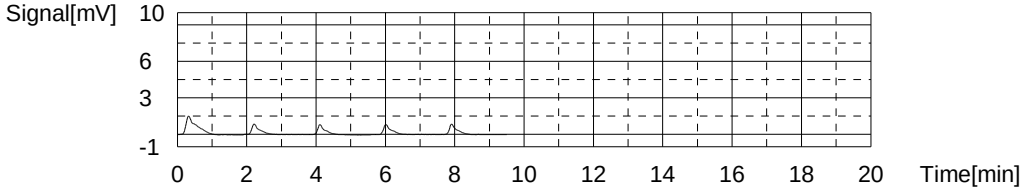
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3102mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.186	1.412mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:21:29 PM
2	1.297	0.3390mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:23:32 PM
3	1.150	0.2555mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:25:36 PM
4	1.258	0.3169mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:27:39 PM
5	1.280	0.3294mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:29:42 PM

Mean Area 1.246
Mean Conc. 0.3102mg/L



	Sample Name	Sample ID	Dilution	Result	Action	Date / Time	Vial
1	TC	TC	1.000			3/4/2014 4:59	1, 2, 3, 4, 5, 6

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Cal. Curve

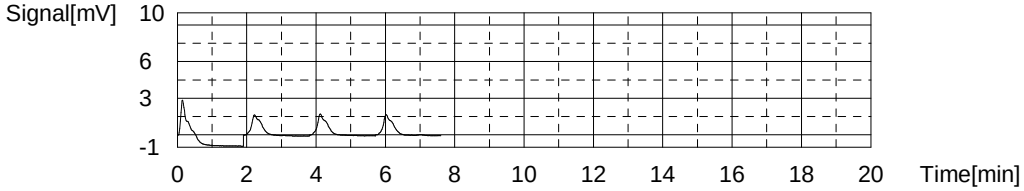
Sample Name:	TC
Sample ID:	TC
Cal. Curve:	TOCCURVE100.2014_03_04_15_36_53.cal
Status	Completed

Type	Anal.
Standard	TC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.000	50uL	1	*******	E	3/4/2014 3:41:51 PM
2	3.107	50uL	1	*******		3/4/2014 3:44:03 PM
3	3.067	50uL	1	*******		3/4/2014 3:46:07 PM
4	2.960	50uL	1	*******		3/4/2014 3:48:10 PM

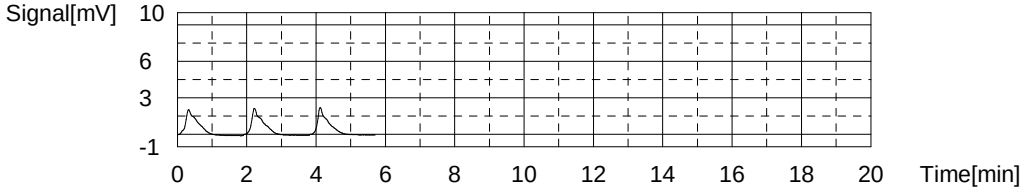
Acid Add. 0.000%
Mean Area 3.045



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.586	50uL	1	*******		3/4/2014 3:54:01 PM
2	4.661	50uL	1	*******		3/4/2014 3:56:05 PM
3	4.521	50uL	1	*******		3/4/2014 3:58:08 PM

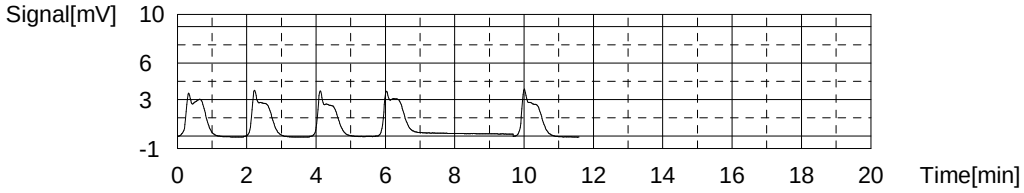
Acid Add. 0.000%
Mean Area 4.589



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	11.18	50uL	1	*******		3/4/2014 4:04:01 PM
2	11.20	50uL	1	*******		3/4/2014 4:06:04 PM
3	10.77	50uL	1	*******	E	3/4/2014 4:08:15 PM
4	14.08	50uL	1	*******	E	3/4/2014 4:12:23 PM
5	11.13	50uL	1	*******		3/4/2014 4:14:27 PM

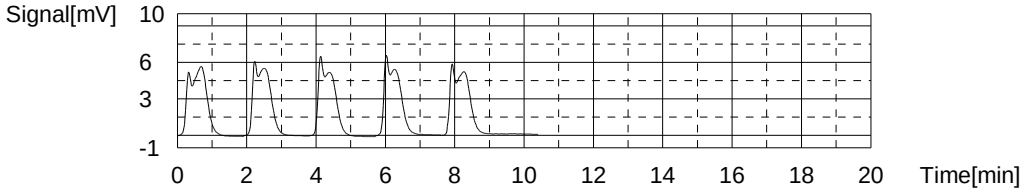
Acid Add. 0.000%
Mean Area 11.17



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	20.19	50uL	1	*******		3/4/2014 4:20:13 PM
2	19.81	50uL	1	*******		3/4/2014 4:22:17 PM
3	18.98	50uL	1	*******	E	3/4/2014 4:24:20 PM
4	19.10	50uL	1	*******	E	3/4/2014 4:26:23 PM
5	20.47	50uL	1	*******		3/4/2014 4:29:21 PM

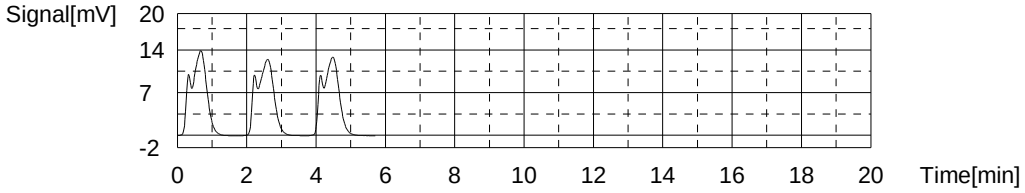
Acid Add. 0.000%
Mean Area 20.16



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	44.55	50uL	1	*******		3/4/2014 4:35:07 PM
2	43.46	50uL	1	*******		3/4/2014 4:37:11 PM
3	43.06	50uL	1	*******		3/4/2014 4:39:14 PM

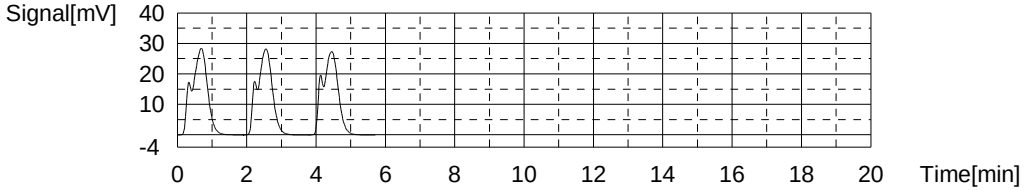
Acid Add. 0.000%
Mean Area 43.69



Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	89.41	50uL	1	*******		3/4/2014 4:45:07 PM
2	86.36	50uL	1	*******		3/4/2014 4:47:10 PM
3	87.07	50uL	1	*******		3/4/2014 4:49:14 PM

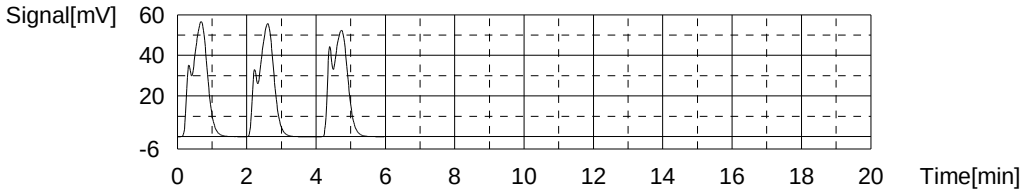
Acid Add. 0.000%
Mean Area 87.61



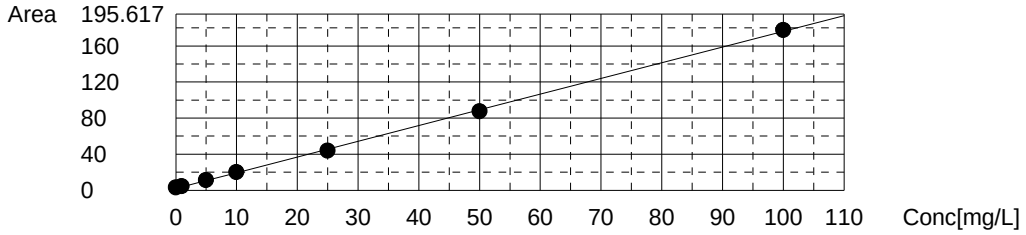
Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	179.9	50uL	1	*******		3/4/2014 4:55:07 PM
2	177.0	50uL	1	*******		3/4/2014 4:57:26 PM
3	176.6	50uL	1	*******		3/4/2014 4:59:29 PM

Acid Add. 0.000%
Mean Area 177.8



Slope:	1.744
Intercept	2.144
r^2	0.999567
r	0.999783
Zero Shift	No



	Sample Name	Sample ID	Dilution	Result	Action	Date / Time	Vial
1	ICV		1.000	NPOC:19.25mg/L		3/5/2014 8:52	1
2	ICB		1.000	NPOC:0.1476mg/L		3/5/2014 9:08	2
3	BICARB		1.000	NPOC:2.312mg/L		3/5/2014 9:36	3
4	RLV		1.000	NPOC:1.199mg/L		3/5/2014 9:53	4
5	LCS	415	1.000	NPOC:19.05mg/L		3/5/2014 10:0	5
6	LCSD		1.000	NPOC:18.90mg/L		3/5/2014 10:1	5
7	680-99066-a-1	10	1.000	NPOC:79.84mg/L		3/5/2014 10:3	6
8	LCS	415TC	1.000	TC:20.09mg/L		3/5/2014 10:4	7
9	LCSD	415TC	1.000	TC:19.58mg/L		3/5/2014 10:5	7
10	MB		1.000	TC:0.5780mg/L		3/5/2014 11:0	8
11	680-98834-t-1		1.000	TC:6.962mg/L		3/5/2014 11:1	9
12	MB		1.000	!!Failed!! TC:-0.4422m		3/5/2014 11:3	8
13	CCV		1.000	NPOC:49.43mg/L		3/5/2014 11:4	19
14	CCB		1.000	NPOC:0.3284mg/L		3/5/2014 12:0	20
15	CCV		1.000	NPOC:49.55mg/L		3/5/2014 12:1	10
16	CCB		1.000	NPOC:0.2646mg/L		3/5/2014 12:3	11
17	LCS	9060	1.000	NPOC:19.40mg/L		3/5/2014 12:5	12
18	680-98888-c-2		1.000	NPOC:1.556mg/L		3/5/2014 1:10	13
19	680-98888-d-3		1.000	NPOC:2.658mg/L		3/5/2014 1:28	14
20	680-98888-e-3 MS		1.000	NPOC:21.01mg/L		3/5/2014 1:45	15
21	680-98888-e-3 MSD		1.000	NPOC:20.82mg/L		3/5/2014 1:58	15
22	680-98888-d-4		1.000	NPOC:2.376mg/L		3/5/2014 2:16	16
23	680-98888-c-5		1.000	NPOC:4.203mg/L		3/5/2014 2:35	17
24	680-98888-d-7	10	1.000	NPOC:576.0mg/L		3/5/2014 2:52	18
25	CCV		1.000	NPOC:50.12mg/L		3/5/2014 3:11	10
26	CCB		1.000	NPOC:0.3102mg/L		3/5/2014 3:29	11

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	ICV
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

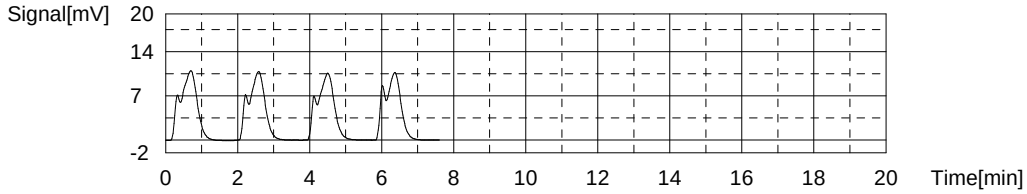
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.25mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.28	20.21mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:46:09 AM
2	34.66	19.29mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:48:12 AM
3	34.79	19.36mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:50:15 AM
4	34.33	19.10mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:52:18 AM

Mean Area	34.59
Mean Conc.	19.25mg/L



Sample

Sample Name:	ICB
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

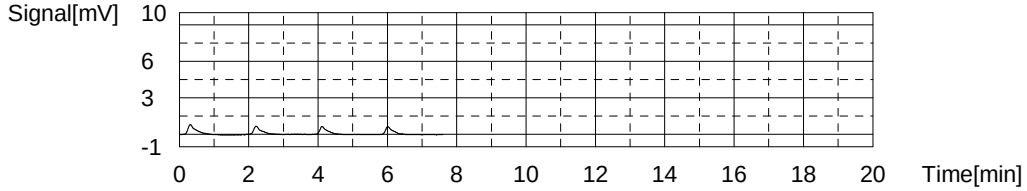
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1476mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.332	0.3589mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:02:34 AM
2	0.9938	0.1668mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:04:37 AM
3	0.9874	0.1632mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:06:40 AM
4	0.8988	0.1129mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:08:43 AM

Mean Area	0.9600
Mean Conc.	0.1476mg/L



Sample

Sample Name: BICARB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

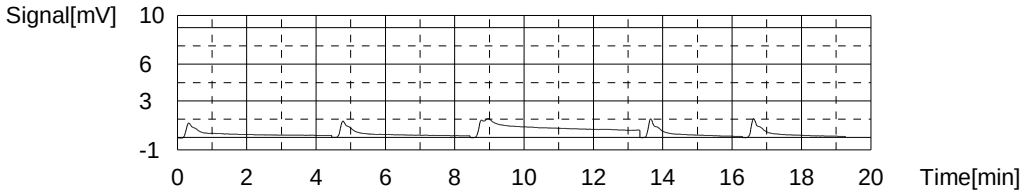
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.312mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.889	2.947mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:21:18 AM
2	4.989	2.436mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:25:25 AM
3	14.57	7.878mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:30:28 AM
4	4.658	2.248mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:33:35 AM
5	4.663	2.251mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:36:42 AM

Mean Area 4.770
Mean Conc. 2.312mg/L



Sample

Sample Name: RLV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

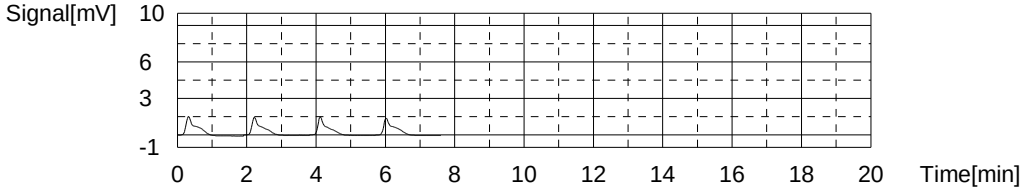
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.199mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.062	1.342mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:46:51 AM
2	2.824	1.206mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:48:54 AM
3	2.742	1.160mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:50:57 AM
4	2.868	1.231mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:53:00 AM

Mean Area 2.811
Mean Conc. 1.199mg/L



Sample

Sample Name: LCS
Sample ID: 415
Origin: TOC415.1A.met
Status Completed
Chk. Result

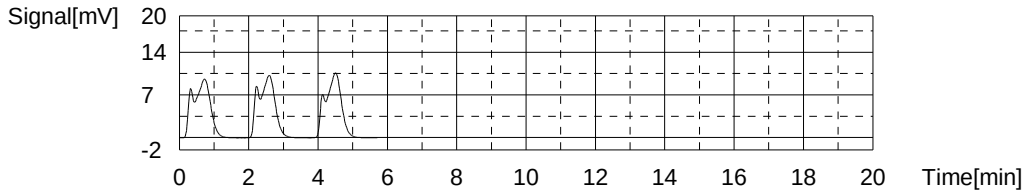
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.05mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.17	19.01mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:03:15 AM
2	34.34	19.11mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:05:18 AM
3	34.23	19.04mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:07:21 AM

Mean Area 34.25
Mean Conc. 19.05mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

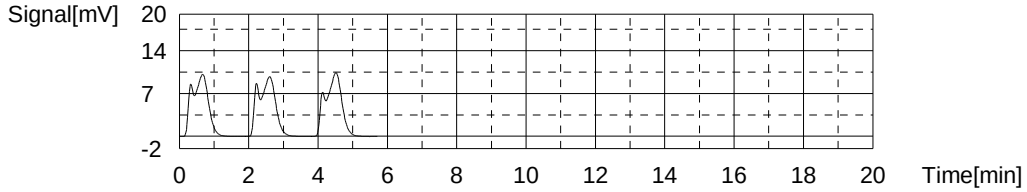
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.90mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.40	18.57mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:14:09 AM
2	34.17	19.01mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:16:12 AM
3	34.35	19.11mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:18:15 AM

Mean Area 33.97
Mean Conc. 18.90mg/L



Sample

Sample Name: 680-99066-a-1
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

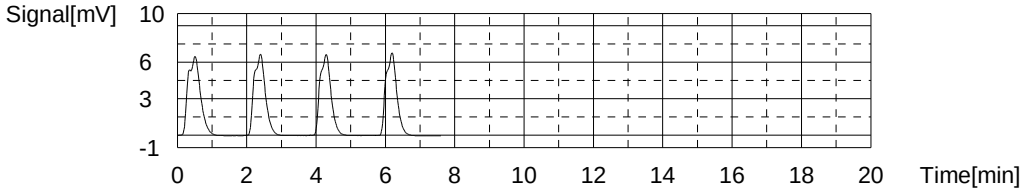
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:79.84mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.98	86.79mg/L	50uL	10	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:29:12 AM
2	15.04	81.45mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:31:15 AM
3	14.47	78.21mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:33:18 AM
4	14.76	79.86mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:35:21 AM

Mean Area 14.76
Mean Conc. 79.84mg/L



Sample

Sample Name: LCS
Sample ID: 415TC
Origin: TC415.1.met
Status Completed
Chk. Result

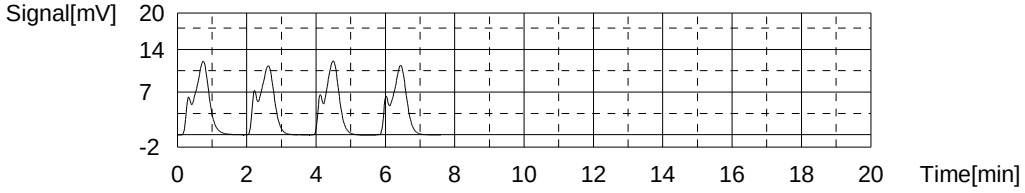
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:20.09mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.89	21.12mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:41:12 AM
2	36.44	20.30mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:43:16 AM
3	36.35	20.25mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:45:19 AM
4	35.43	19.73mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:47:22 AM

Mean Area 36.07
Mean Conc. 20.09mg/L



Sample

Sample Name: LCSD
Sample ID: 415TC
Origin: TC415.1.met
Status Completed
Chk. Result

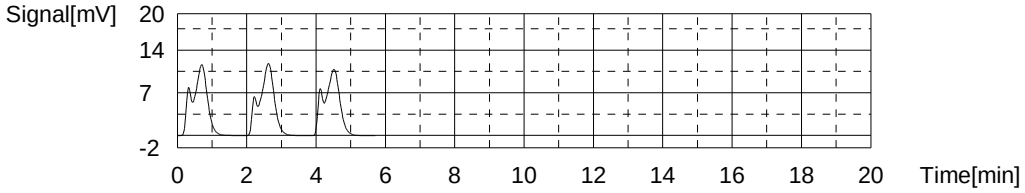
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:19.58mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.30	19.65mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:51:24 AM
2	35.29	19.65mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:53:27 AM
3	34.91	19.43mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:55:31 AM

Mean Area 35.17
Mean Conc. 19.58mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TC415.1.met
Status Completed
Chk. Result

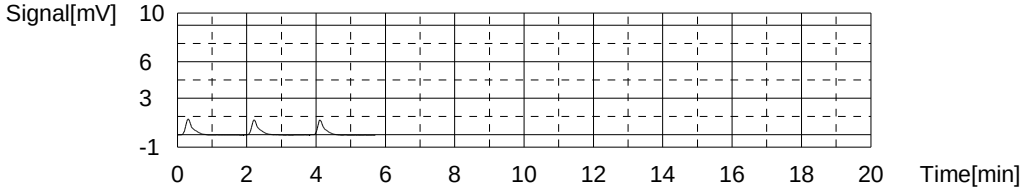
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:0.5780mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.801	0.6253mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:01:23 AM
2	1.689	0.5617mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:03:26 AM
3	1.663	0.5469mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:05:29 AM

Mean Area 1.718
Mean Conc. 0.5780mg/L



Sample

Sample Name: 680-98834-t-1
Sample ID:
Origin: TC415.1.met
Status Completed
Chk. Result

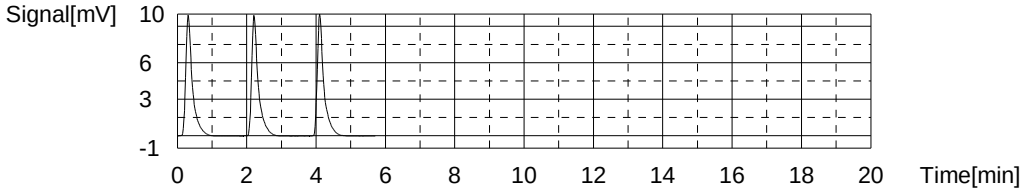
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:6.962mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.93	6.946mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:11:22 AM
2	12.97	6.969mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:13:25 AM
3	12.97	6.969mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:15:28 AM

Mean Area 12.96
Mean Conc. 6.962mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TC415.1.met
Status Completed
Chk. Result

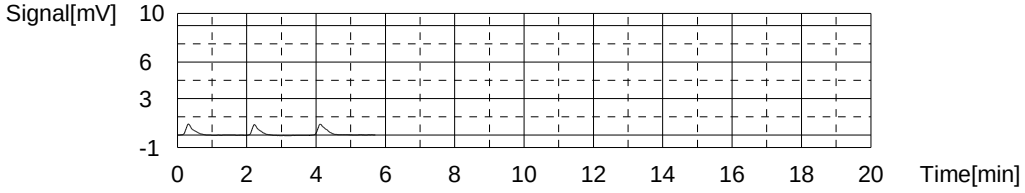
Type	Anal.	Dil.	Result
Unknown	TC	1.000	!!Failed!! TC:-0.4422mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.330	-0.4667mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/5/2014 11:26:33 AM
2	1.311	-0.4776mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/5/2014 11:28:36 AM
3	1.477	-0.3824mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/5/2014 11:30:40 AM

Mean Area 1.373
Mean Conc. -0.4422mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

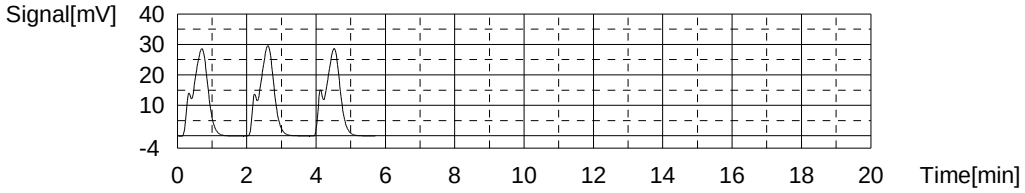
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.43mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.51	49.31mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:40:48 AM
2	87.86	49.51mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:42:52 AM
3	87.83	49.49mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:44:55 AM

Mean Area 87.73
Mean Conc. 49.43mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

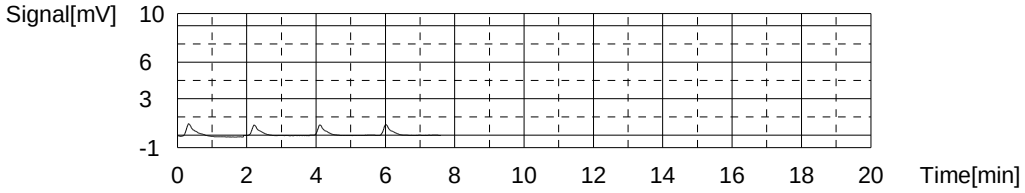
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3284mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.768	0.6066mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:54:58 AM
2	1.281	0.3300mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:57:02 AM
3	1.248	0.3112mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:59:05 AM
4	1.306	0.3442mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:01:08 PM

Mean Area 1.278
Mean Conc. 0.3284mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

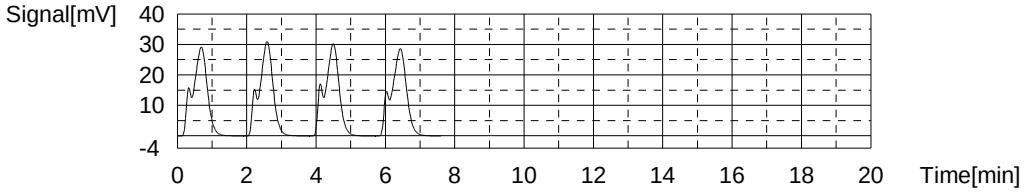
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.55mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.13	48.52mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:11:33 PM
2	87.85	49.50mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:13:36 PM
3	89.12	50.22mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:15:40 PM
4	88.67	49.97mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:17:43 PM

Mean Area 87.94
Mean Conc. 49.55mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

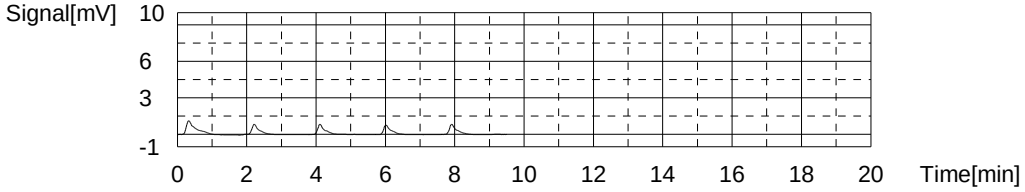
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2646mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.161	0.8298mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:27:58 PM
2	1.162	0.2624mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:30:02 PM
3	1.151	0.2561mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:32:05 PM
4	1.127	0.2425mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:34:08 PM
5	1.224	0.2976mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:36:11 PM

Mean Area 1.166
Mean Conc. 0.2646mg/L



Sample

Sample Name: LCS
Sample ID: 9060
Origin: TOC9060.met
Status Completed
Chk. Result

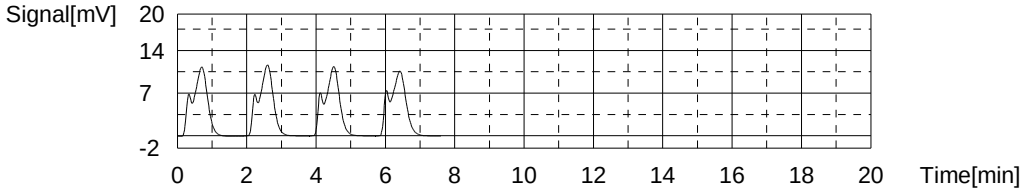
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.40mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.78	19.36mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:46:07 PM
2	34.78	19.36mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:48:11 PM
3	34.87	19.41mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:50:15 PM
4	35.00	19.48mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:52:18 PM

Mean Area 34.86
Mean Conc. 19.40mg/L



Sample

Sample Name: 680-98888-c-2
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

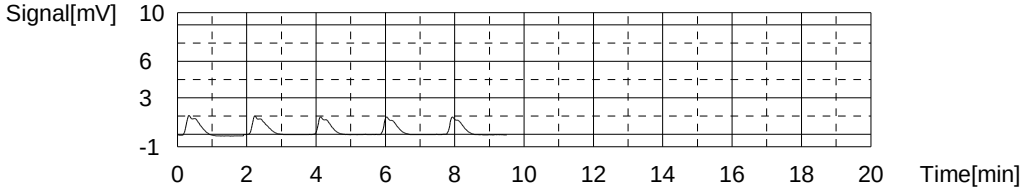
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.556mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.139	1.953mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:02:20 PM
2	3.856	1.793mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:04:23 PM
3	3.355	1.508mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:06:26 PM
4	3.288	1.470mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:08:29 PM
5	3.261	1.455mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:10:32 PM

Mean Area 3.440
Mean Conc. 1.556mg/L



Sample

Sample Name: 680-98888-d-3
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

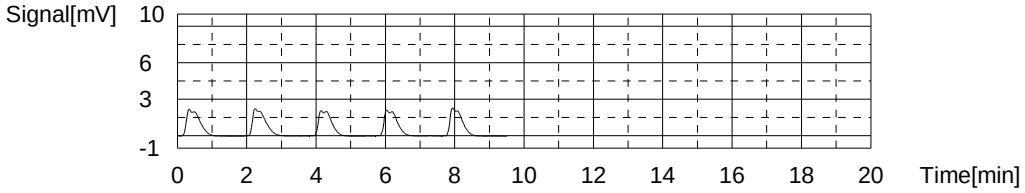
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.658mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.631	2.801mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:20:43 PM
2	5.585	2.775mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:22:47 PM
3	5.289	2.606mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:24:50 PM
4	5.243	2.580mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:26:53 PM
5	5.399	2.669mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:28:56 PM

Mean Area 5.379
Mean Conc. 2.658mg/L



Sample

Sample Name: 680-98888-e-3 MS
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

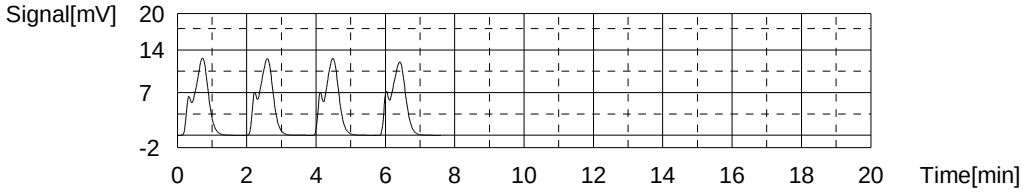
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.01mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.92	21.14mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:39:06 PM
2	37.77	21.06mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:41:10 PM
3	37.27	20.77mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:43:13 PM
4	37.79	21.07mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:45:16 PM

Mean Area 37.69
Mean Conc. 21.01mg/L



Sample

Sample Name: 680-98888-e-3 MSD
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

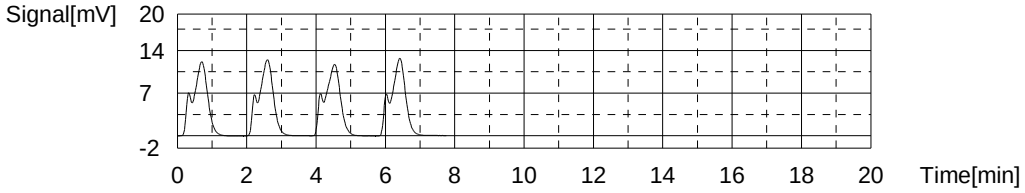
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.82mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.77	20.49mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:52:01 PM
2	37.09	20.67mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:54:04 PM
3	37.55	20.93mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:56:07 PM
4	38.02	21.20mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:58:19 PM

Mean Area 37.36
Mean Conc. 20.82mg/L



Sample

Sample Name: 680-98888-d-4
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

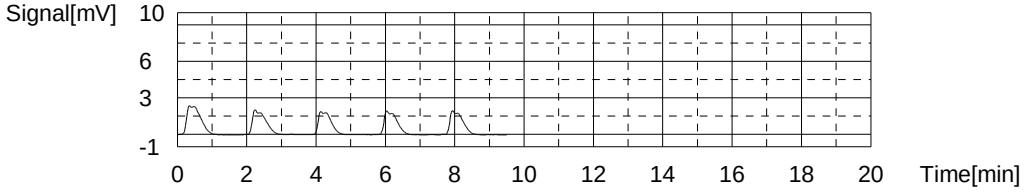
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.376mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.460	3.272mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:08:35 PM
2	5.187	2.549mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:10:38 PM
3	4.673	2.257mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:12:41 PM
4	4.808	2.333mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:14:44 PM
5	4.864	2.365mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:16:50 PM

Mean Area 4.883
Mean Conc. 2.376mg/L



Sample

Sample Name: 680-98888-c-5
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

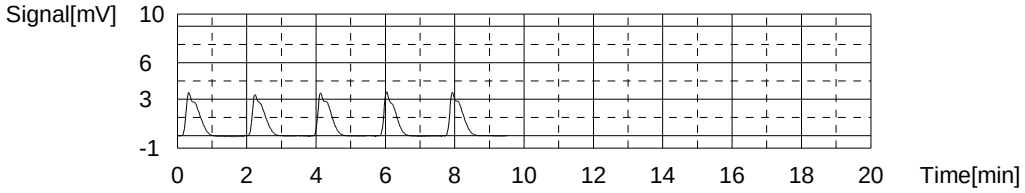
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.203mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.339	4.339mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:27:19 PM
2	7.637	3.940mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:29:23 PM
3	8.225	4.274mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:31:27 PM
4	7.555	3.894mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:33:30 PM
5	8.197	4.258mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:35:34 PM

Mean Area 8.100
Mean Conc. 4.203mg/L



Sample

Sample Name: 680-98888-d-7
Sample ID: 10
Origin: TOC9060.met
Status Completed
Chk. Result

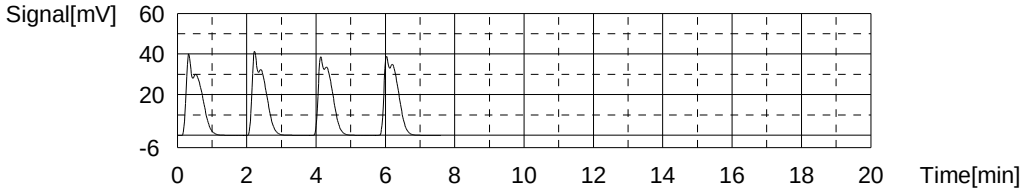
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:576.0mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	104.6	590.1mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:46:26 PM
2	101.1	570.3mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:48:29 PM
3	99.92	563.6mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:50:33 PM
4	102.8	579.9mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:52:36 PM

Mean Area 102.1
Mean Conc. 576.0mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

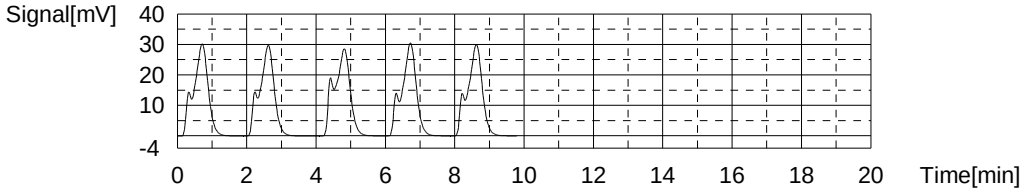
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.12mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	89.06	50.19mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:02:50 PM
2	87.58	49.35mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:05:10 PM
3	92.43	52.10mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:07:13 PM
4	89.67	50.53mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:09:16 PM
5	89.43	50.40mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:11:20 PM

Mean Area 88.94
Mean Conc. 50.12mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

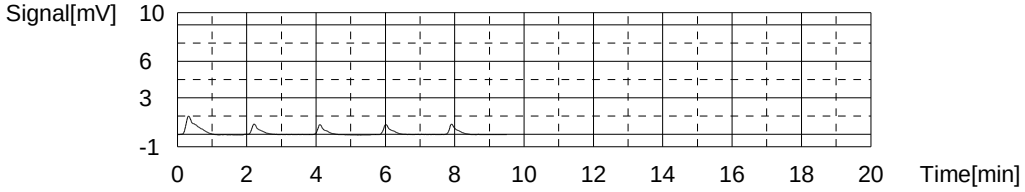
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3102mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.186	1.412mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:21:29 PM
2	1.297	0.3390mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:23:32 PM
3	1.150	0.2555mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:25:36 PM
4	1.258	0.3169mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:27:39 PM
5	1.280	0.3294mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:29:42 PM

Mean Area 1.246
Mean Conc. 0.3102mg/L



	Sample Name	Sample ID	Dilution	Result	Date / Time	Vial
1	CCV		1.000	NPOC:47.75mg/L	3/12/2014 4:51:31 PM	1
2	CCB		1.000	!!Failed!! NPOC:-1.051mg/L	3/12/2014 5:07:58 PM	2
3	BICARB		1.000	!!Failed!! NPOC:-0.6390mg/L	3/12/2014 5:24:25 PM	3
4	RLV		1.000	NPOC:8.943mg/L	3/12/2014 5:42:54 PM	4
5	LCS	415D	1.000	NPOC:17.29mg/L	3/12/2014 5:56:59 PM	5
6	MB		1.000	!!Failed!! NPOC:-1.019mg/L	3/12/2014 6:13:27 PM	6
7	680-99146-c-1	5	1.000	!!Failed!! NPOC:-4.333mg/L	3/12/2014 6:30:34 PM	7
8	680-99146-d-1 MS	5	1.000	NPOC:11.71mg/L	3/12/2014 6:47:40 PM	8
9	680-99146-d-1 MSD	5	1.000	NPOC:11.56mg/L	3/12/2014 7:02:45 PM	8
10	680-99146-c-2	5	1.000	!!Failed!! NPOC:-3.990mg/L	3/12/2014 7:19:51 PM	9
11	680-99146-c-3	5	1.000	!!Failed!! NPOC:-4.156mg/L	3/12/2014 7:36:59 PM	10
12	680-99146-d-4	5	1.000	!!Failed!! NPOC:-4.059mg/L	3/12/2014 7:55:58 PM	11
13	CCV		1.000	NPOC:47.61mg/L	3/12/2014 8:10:32 PM	1
14	CCB		1.000	!!Failed!! NPOC:-1.063mg/L	3/12/2014 8:28:50 PM	2
15	680-99146-c-5	5	1.000	!!Failed!! NPOC:-4.200mg/L	3/12/2014 8:48:00 PM	12
16	LCS	415	1.000	NPOC:17.19mg/L	3/12/2014 9:02:05 PM	13
17	660-59509-e-1		1.000	NPOC:2242mg/L	3/12/2014 9:21:48 PM	14
18	660-59509-d-1 MS		1.000	NPOC:2158mg/L	3/12/2014 9:44:37 PM	15
19	660-59509-d-1 MSD		1.000	NPOC:2160mg/L	3/12/2014 9:57:42 PM	15
20	660-59509-f-2		1.000	NPOC:869.2mg/L	3/12/2014 10:12:10 PM	16
21	660-59509-d-5		1.000	NPOC:726.6mg/L	3/12/2014 10:26:20 PM	17
22	660-59509-e-6		1.000	NPOC:1078mg/L	3/12/2014 10:41:18 PM	18
23	660-59509-e-7		1.000	NPOC:369.7mg/L	3/12/2014 10:55:30 PM	19
24	660-59509-e-8		1.000	NPOC:17.97mg/L	3/12/2014 11:09:53 PM	20
25	CCV		1.000	NPOC:49.06mg/L	3/12/2014 11:24:20 PM	21
26	CCB		1.000	!!Failed!! NPOC:-0.9736mg/L	3/12/2014 11:40:48 PM	22
27	640-47062-h-1		1.000	NPOC:6.680mg/L	3/12/2014 11:57:12 PM	23
28	640-47062-h-1 DU		1.000	NPOC:6.716mg/L	3/13/2014 12:10:05 AM	23
29	640-47062-h-2		1.000	NPOC:7.097mg/L	3/13/2014 12:28:35 AM	24
30	640-47077-d-3		1.000	NPOC:2.535mg/L	3/13/2014 12:42:52 AM	25
31	640-47077-f-4		1.000	NPOC:84.71mg/L	3/13/2014 12:57:14 AM	26
32	640-47077-l-5		1.000	!!Failed!! NPOC:-1.033mg/L	3/13/2014 1:15:43 AM	27
33	640-47077-n-6		1.000	NPOC:12.01mg/L	3/13/2014 1:32:03 AM	28
34	640-47077-n-9		1.000	NPOC:2.704mg/L	3/13/2014 1:46:25 AM	29
35	640-47092-n-1		1.000	NPOC:1.287mg/L	3/13/2014 2:02:39 AM	30
36	680-99111-h-1		1.000	NPOC:3.084mg/L	3/13/2014 2:17:01 AM	31
37	CCV		1.000	NPOC:48.04mg/L	3/13/2014 2:31:34 AM	21
38	CCB		1.000	!!Failed!! NPOC:-0.9829mg/L	3/13/2014 2:45:56 AM	22
39	680-99111-j-2		1.000	NPOC:1.899mg/L	3/13/2014 3:02:29 AM	32
40	680-99111-h-3		1.000	NPOC:0.2283mg/L	3/13/2014 3:18:55 AM	33
41	680-99111-h-4		1.000	NPOC:4.065mg/L	3/13/2014 3:37:12 AM	34
42	680-99111-j-5		1.000	NPOC:2.633mg/L	3/13/2014 3:53:32 AM	35
43	680-99111-h-6		1.000	NPOC:2.300mg/L	3/13/2014 4:07:43 AM	36
44	LCS	415	1.000	NPOC:17.01mg/L	3/13/2014 4:22:06 AM	37
45	680-99111-i-7		1.000	NPOC:0.7197mg/L	3/13/2014 4:38:36 AM	38
46	680-99111-h-7 MS		1.000	NPOC:16.49mg/L	3/13/2014 4:52:58 AM	39
47	680-99111-h-7 MSD		1.000	NPOC:16.26mg/L	3/13/2014 5:05:53 AM	39
48	680-99111-h-8		1.000	NPOC:2.553mg/L	3/13/2014 5:20:04 AM	40
49	CCV		1.000	NPOC:49.22mg/L	3/13/2014 5:36:28 AM	41
50	CCB		1.000	!!Failed!! NPOC:-0.9630mg/L	3/13/2014 5:52:55 AM	42
51	680-99116-i-1		1.000	NPOC:20.52mg/L	3/13/2014 6:07:06 AM	43
52	680-99116-i-1 DU		1.000	NPOC:20.34mg/L	3/13/2014 6:17:58 AM	43
53	680-99116-i-2		1.000	NPOC:0.9737mg/L	3/13/2014 6:36:17 AM	44
54	680-99116-i-3		1.000	NPOC:0.6925mg/L	3/13/2014 6:52:38 AM	45
55	680-99116-j-4		1.000	NPOC:24.04mg/L	3/13/2014 7:06:48 AM	46
56	680-99116-h-5		1.000	!!Failed!! NPOC:-0.2217mg/L	3/13/2014 7:23:15 AM	47
57	680-99116-i-6		1.000	NPOC:2.972mg/L	3/13/2014 7:41:46 AM	48
58	680-99116-h-7		1.000	NPOC:14.53mg/L	3/13/2014 7:57:54 AM	49
59	680-99116-i-8		1.000	NPOC:28.91mg/L	3/13/2014 8:12:18 AM	50
60	680-99116-j-9		1.000	NPOC:1.250mg/L	3/13/2014 8:30:37 AM	51
61	CCV		1.000	NPOC:49.75mg/L	3/13/2014 8:49:10 AM	41
62	CCB		1.000	!!Failed!! NPOC:-0.8408mg/L	3/13/2014 9:05:31 AM	42
63	680-99116-j-10		1.000	NPOC:7.137mg/L	3/13/2014 9:27:20 AM	52
64	680-99116-j-11		1.000	NPOC:0.5509mg/L	3/13/2014 9:41:43 AM	53
65	680-99116-h-12		1.000	!!Failed!! NPOC:-0.3125mg/L	3/13/2014 9:58:12 AM	54
66	680-99116-j-13		1.000	NPOC:0.7948mg/L	3/13/2014 10:14:38 AM	55
67	680-99116-h-14		1.000	NPOC:0.6463mg/L	3/13/2014 10:29:03 AM	56
68	680-99146-c-1		1.000	NPOC:0.1834mg/L	3/13/2014 10:43:31 AM	7
69	680-99146-d-1 MS		1.000	NPOC:16.40mg/L	3/13/2014 10:57:55 AM	8
70	680-99146-d-1 MSD		1.000	NPOC:16.24mg/L	3/13/2014 11:10:53 AM	8

	Sample Name	Sample ID	Dilution	Result	Date / Time	Vial
71	680-99146-c-2		1.000	NPOC:0.3093mg/L	3/13/2014 11:29:26 AM	9
72	680-99146-c-3		1.000	NPOC:0.4206mg/L	3/13/2014 11:45:48 AM	10
73	CCV		1.000	NPOC:49.35mg/L	3/13/2014 12:00:34 PM	57
74	CCB		1.000	!!Failed!! NPOC:-0.8156mg/L	3/13/2014 12:17:02 PM	58
75	680-99146-d-4		1.000	NPOC:0.4485mg/L	3/13/2014 12:35:36 PM	11
76	680-99146-c-5		1.000	NPOC:0.3070mg/L	3/13/2014 12:49:55 PM	12
77	660-59509-e-1	50 Dil	1.000	NPOC:2437mg/L	3/13/2014 1:05:03 PM	14
78	660-59509-d-1 MS	50	1.000	NPOC:2413mg/L	3/13/2014 1:20:09 PM	15
79	660-59509-d-1 MSD	50	1.000	NPOC:2582mg/L	3/13/2014 1:33:26 PM	15
80	660-59509-f-2	10	1.000	NPOC:820.7mg/L	3/13/2014 1:48:38 PM	16
81	660-59509-d-5	10	1.000	NPOC:678.7mg/L	3/13/2014 2:03:44 PM	17
82	660-59509-e-6	20	1.000	NPOC:966.2mg/L	3/13/2014 2:18:48 PM	18
83	660-59509-e-7	5	1.000	NPOC:354.2mg/L	3/13/2014 2:33:55 PM	19
84	CCV		1.000	NPOC:50.06mg/L	3/13/2014 2:48:38 PM	57
85	CCB		1.000	!!Failed!! NPOC:-0.6737mg/L	3/13/2014 3:03:04 PM	58

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	CCV
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

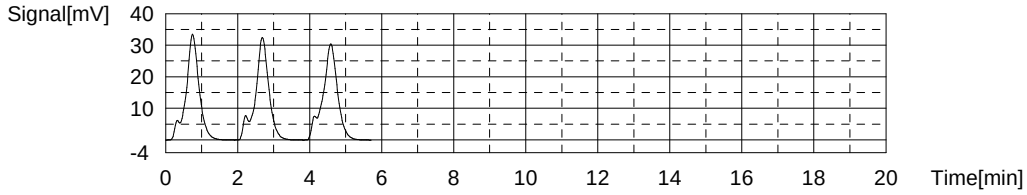
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:47.75mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	84.45	47.20mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 4:47:24 PM
2	85.14	47.59mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 4:49:28 PM
3	86.67	48.47mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 4:51:31 PM

Mean Area 85.42
Mean Conc. 47.75mg/L



Sample

Sample Name:	CCB
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

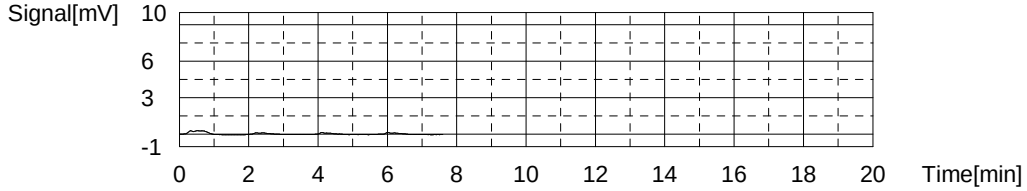
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-1.051mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9471	-0.6863mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 5:01:47 PM
2	0.2966	-1.059mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 5:03:51 PM
3	0.3293	-1.041mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 5:05:55 PM
4	0.3077	-1.053mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 5:07:58 PM

Mean Area 0.3112
Mean Conc. -1.051mg/L



Sample

Sample Name: BICARB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

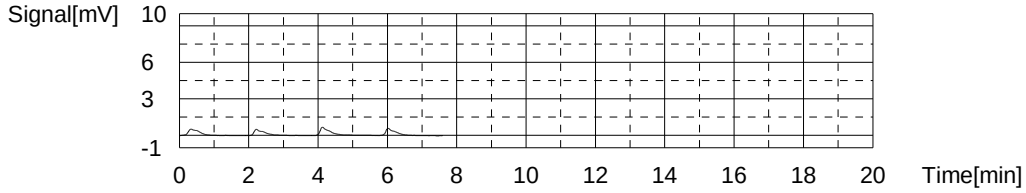
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.6390mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.104	-0.5963mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 5:18:15 PM
2	0.9304	-0.6959mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 5:20:18 PM
3	1.267	-0.5028mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 5:22:22 PM
4	1.054	-0.6250mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 5:24:25 PM

Mean Area 1.029
Mean Conc. -0.6390mg/L



Sample

Sample Name: RLV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

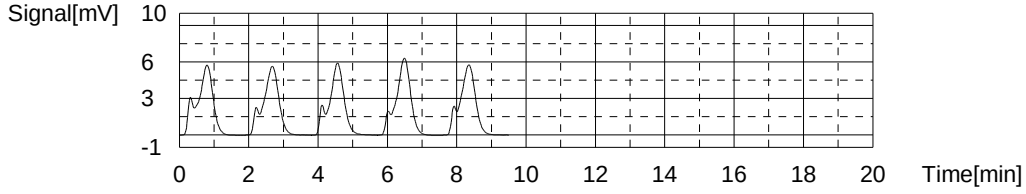
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.943mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	18.50	9.379mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 5:34:39 PM
2	17.63	8.880mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 5:36:43 PM
3	17.70	8.920mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 5:38:47 PM
4	18.63	9.453mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 5:40:50 PM
5	17.89	9.029mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 5:42:54 PM

Mean Area 17.74
Mean Conc. 8.943mg/L



Sample

Sample Name: LCS
Sample ID: 415D
Origin: TOC415.1A.met
Status Completed
Chk. Result

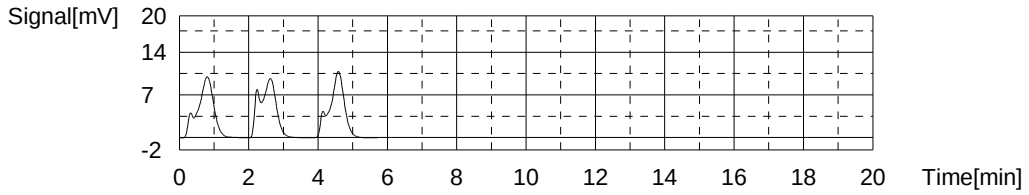
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:17.29mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	32.25	17.26mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 5:52:53 PM
2	32.72	17.53mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 5:54:56 PM
3	31.91	17.07mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 5:56:59 PM

Mean Area 32.29
Mean Conc. 17.29mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

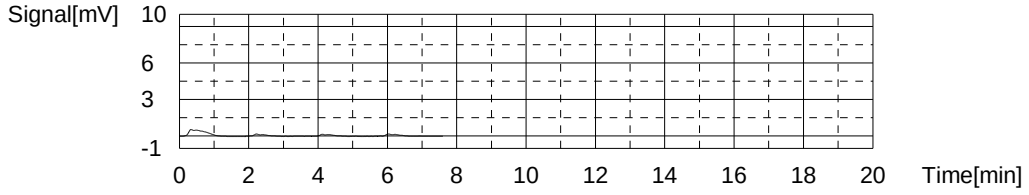
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-1.019mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.806	-0.1938mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 6:07:16 PM
2	0.3316	-1.039mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 6:09:20 PM
3	0.3656	-1.020mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 6:11:23 PM
4	0.4028	-0.9984mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 6:13:27 PM

Mean Area 0.3667
Mean Conc. -1.019mg/L



Sample

Sample Name: 680-99146-c-1
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

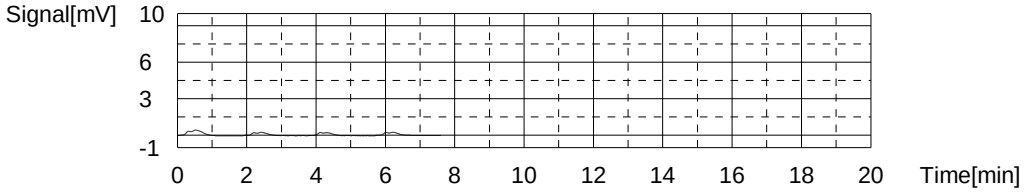
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-4.333mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.214	-2.666mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 6:24:24 PM
2	0.6642	-4.242mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 6:26:27 PM
3	0.6333	-4.331mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 6:28:31 PM
4	0.6005	-4.425mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 6:30:34 PM

Mean Area 0.6327
Mean Conc. -4.333mg/L



Sample

Sample Name: 680-99146-d-1 MS
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

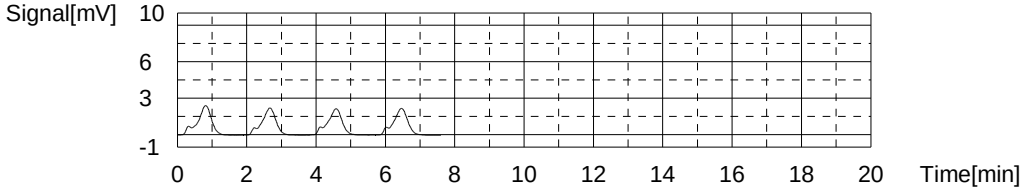
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:11.71mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.736	13.17mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 6:41:29 PM
2	6.217	11.68mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 6:43:33 PM
3	6.188	11.59mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 6:45:36 PM
4	6.275	11.84mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 6:47:40 PM

Mean Area 6.227
Mean Conc. 11.71mg/L



Sample

Sample Name: 680-99146-d-1 MSD
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

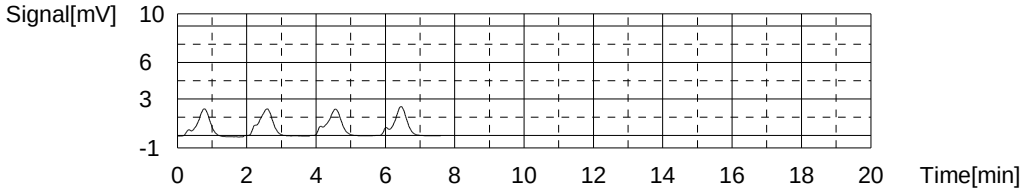
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:11.56mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.883	10.72mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 6:56:35 PM
2	6.081	11.29mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 6:58:38 PM
3	6.242	11.75mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 7:00:41 PM
4	6.209	11.65mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 7:02:45 PM

Mean Area 6.177
Mean Conc. 11.56mg/L



Sample

Sample Name: 680-99146-c-2
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

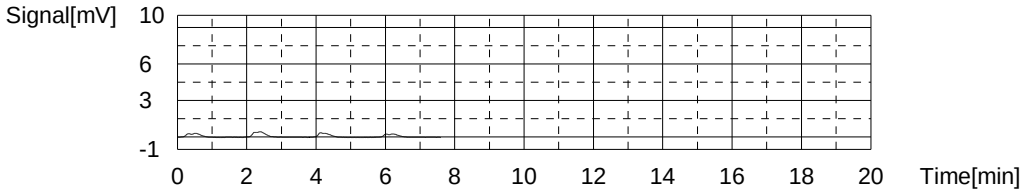
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-3.990mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7820	-3.905mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 7:13:40 PM
2	1.059	-3.111mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 7:15:44 PM
3	0.7935	-3.872mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 7:17:47 PM
4	0.6809	-4.195mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 7:19:51 PM

Mean Area 0.7521
Mean Conc. -3.990mg/L



Sample

Sample Name: 680-99146-c-3
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

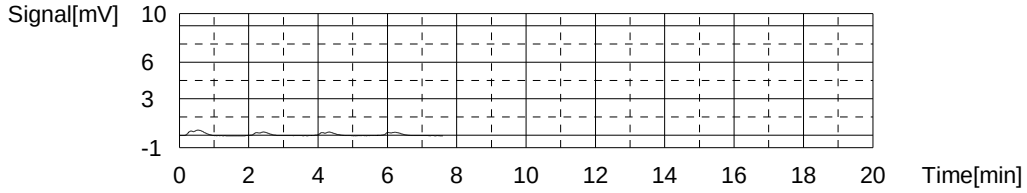
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-4.156mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.252	-2.557mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 7:30:49 PM
2	0.6765	-4.207mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 7:32:53 PM
3	0.6997	-4.141mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 7:34:56 PM
4	0.7073	-4.119mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 7:36:59 PM

Mean Area 0.6945
Mean Conc. -4.156mg/L



Sample

Sample Name: 680-99146-d-4
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

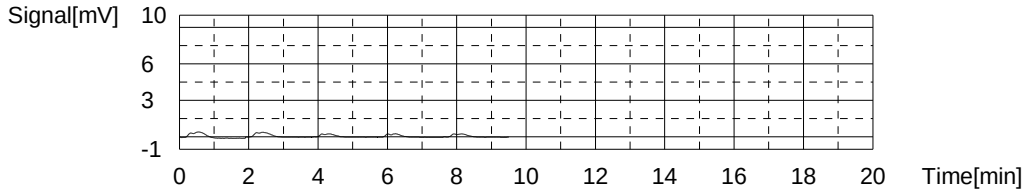
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-4.059mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.398	-2.139mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 7:47:44 PM
2	1.106	-2.976mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 7:49:47 PM
3	0.6941	-4.157mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 7:51:50 PM
4	0.7271	-4.062mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 7:53:54 PM
5	0.7632	-3.959mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 7:55:58 PM

Mean Area 0.7281
Mean Conc. -4.059mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

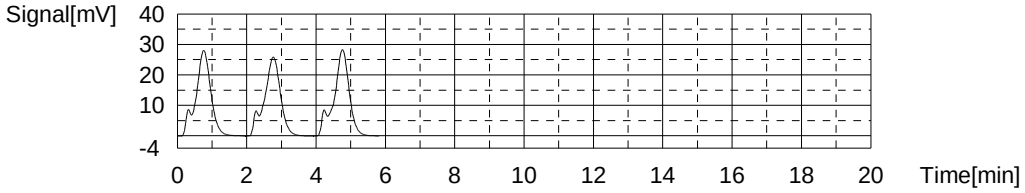
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:47.61mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	84.35	47.14mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 8:06:21 PM
2	84.32	47.12mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 8:08:28 PM
3	86.86	48.58mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 8:10:32 PM

Mean Area 85.18
Mean Conc. 47.61mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

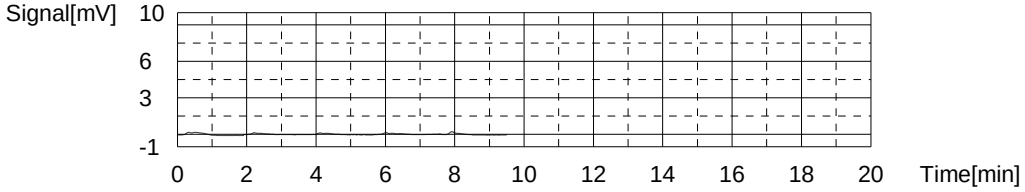
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-1.063mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7251	-0.8136mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 8:20:36 PM
2	0.2354	-1.094mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 8:22:39 PM
3	0.000	-1.229mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 8:24:42 PM
4	0.2292	-1.098mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 8:26:46 PM
5	0.4068	-0.9961mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 8:28:50 PM

Mean Area 0.2905
Mean Conc. -1.063mg/L



Sample

Sample Name: 680-99146-c-5
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

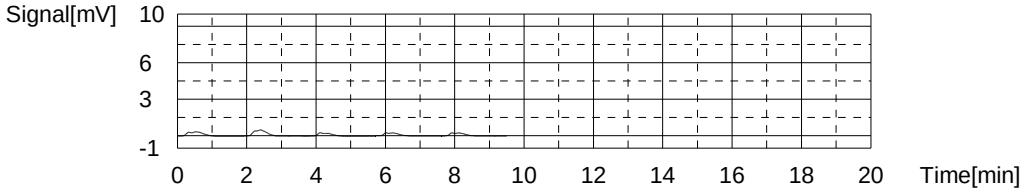
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-4.200mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.053	-3.128mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 8:39:46 PM
2	1.211	-2.675mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 8:41:49 PM
3	0.6696	-4.227mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 8:43:53 PM
4	0.6738	-4.215mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 8:45:56 PM
5	0.6936	-4.158mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 8:48:00 PM

Mean Area 0.6790
Mean Conc. -4.200mg/L



Sample

Sample Name: LCS
Sample ID: 415
Origin: TOC415.1A.met
Status Completed
Chk. Result

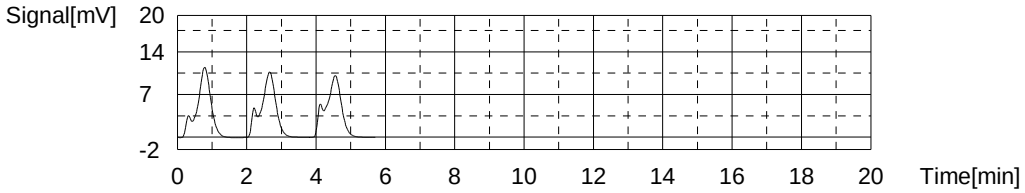
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:17.19mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	32.21	17.24mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 8:57:58 PM
2	32.06	17.15mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 9:00:01 PM
3	32.08	17.17mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 9:02:05 PM

Mean Area 32.12
Mean Conc. 17.19mg/L



Sample

Sample Name: 660-59509-e-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

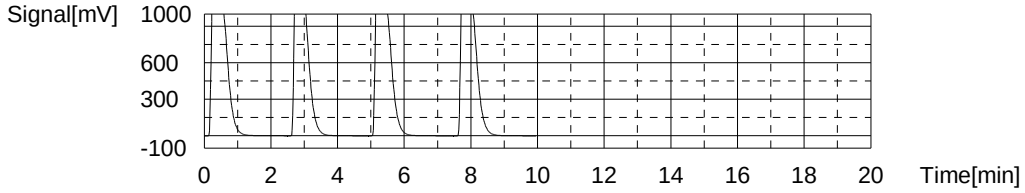
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2242mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3908	2240mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 9:12:44 PM
2	3683	2111mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 9:15:37 PM
3	3899	2235mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 9:18:45 PM
4	3927	2251mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 9:21:48 PM

Mean Area 3911
Mean Conc. 2242mg/L



Sample

Sample Name: 660-59509-d-1 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

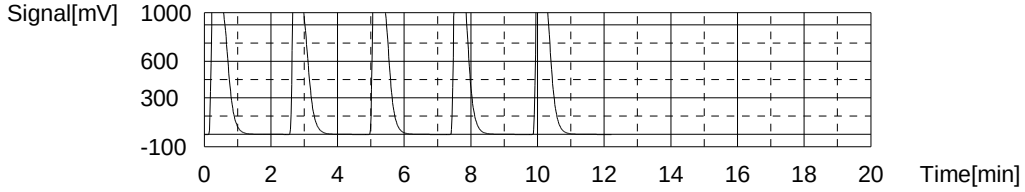
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2158mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3909	2240mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 9:32:23 PM
2	3749	2149mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 9:35:25 PM
3	3963	2271mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 9:38:23 PM
4	3800	2178mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 9:41:30 PM
5	3749	2149mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 9:44:37 PM

Mean Area 3766
Mean Conc. 2158mg/L



Sample

Sample Name: 660-59509-d-1 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

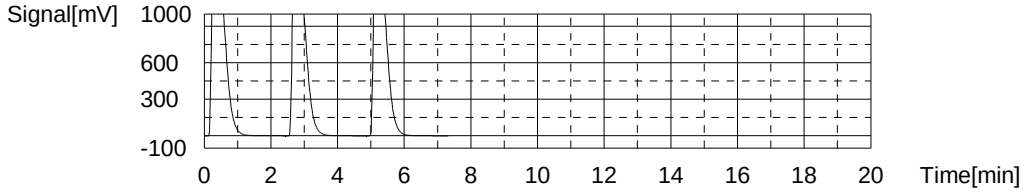
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2160mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3811	2184mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 9:51:34 PM
2	3766	2158mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 9:54:40 PM
3	3730	2138mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 9:57:42 PM

Mean Area 3769
Mean Conc. 2160mg/L



Sample

Sample Name: 660-59509-f-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

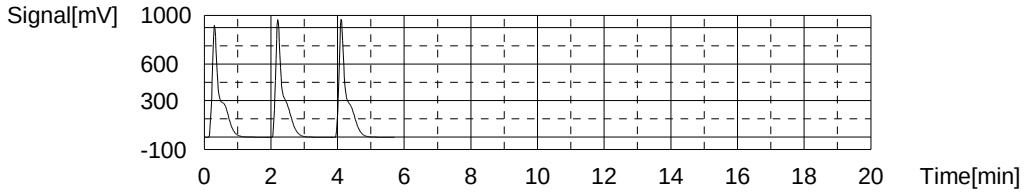
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:869.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1505	861.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 10:07:46 PM
2	1528	875.0mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 10:09:59 PM
3	1521	870.9mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 10:12:10 PM

Mean Area 1518
Mean Conc. 869.2mg/L



Sample

Sample Name: 660-59509-d-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

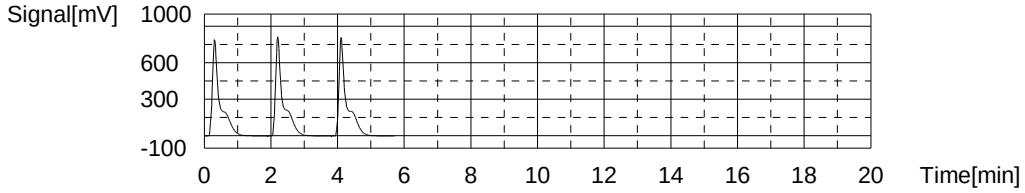
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:726.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1257	719.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 10:22:14 PM
2	1269	726.4mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 10:24:17 PM
3	1282	733.9mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 10:26:20 PM

Mean Area 1269
Mean Conc. 726.6mg/L



Sample

Sample Name: 660-59509-e-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

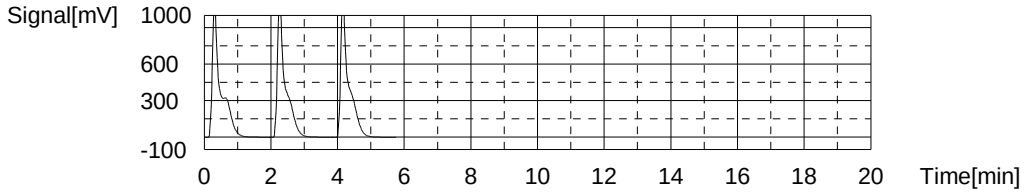
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1078mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1909	1093mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 10:36:40 PM
2	1854	1062mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 10:38:59 PM
3	1885	1080mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 10:41:18 PM

Mean Area 1883
Mean Conc. 1078mg/L



Sample

Sample Name: 660-59509-e-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

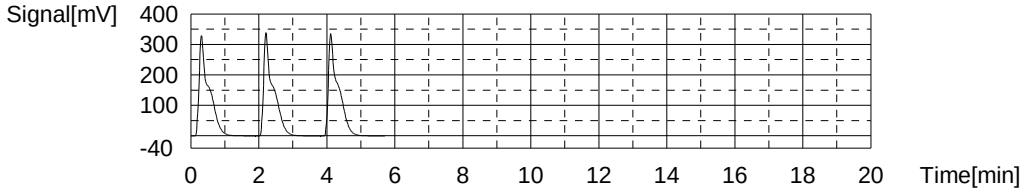
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:369.7mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	641.2	366.4mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 10:51:23 PM
2	644.2	368.2mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 10:53:26 PM
3	655.0	374.4mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 10:55:30 PM

Mean Area 646.8
Mean Conc. 369.7mg/L



Sample

Sample Name: 660-59509-e-8
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

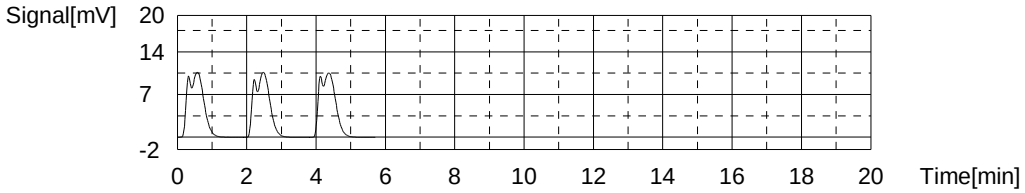
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:17.97mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.63	18.05mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 11:05:46 PM
2	33.10	17.75mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 11:07:50 PM
3	33.73	18.11mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 11:09:53 PM

Mean Area 33.49
Mean Conc. 17.97mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

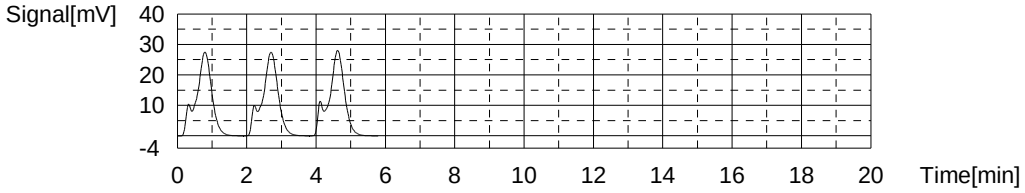
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.06mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.55	48.40mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 11:20:09 PM
2	87.51	48.95mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 11:22:12 PM
3	89.02	49.82mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 11:24:20 PM

Mean Area 87.69
Mean Conc. 49.06mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

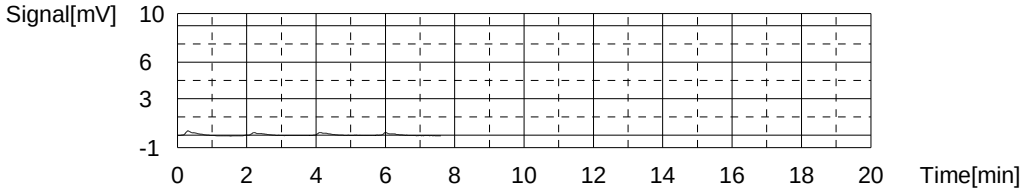
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.9736mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7447	-0.8023mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 11:34:37 PM
2	0.4626	-0.9641mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 11:36:41 PM
3	0.4862	-0.9506mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 11:38:44 PM
4	0.3893	-1.006mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 11:40:48 PM

Mean Area 0.4460
Mean Conc. -0.9736mg/L



Sample

Sample Name: 640-47062-h-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

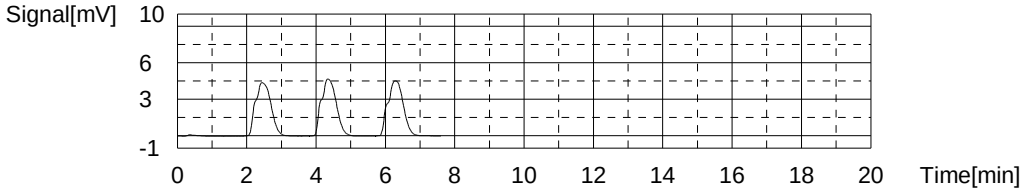
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.680mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1646	-1.135mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 11:51:01 PM
2	13.58	6.558mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 11:53:05 PM
3	13.93	6.758mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 11:55:08 PM
4	13.87	6.724mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/12/2014 11:57:12 PM

Mean Area 13.79
Mean Conc. 6.680mg/L



Sample

Sample Name: 640-47062-h-1 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

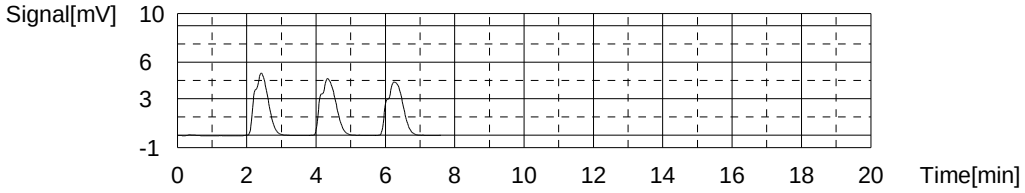
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.716mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-1.229mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:03:55 AM
2	13.79	6.678mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:05:58 AM
3	13.97	6.781mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:08:02 AM
4	13.81	6.690mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:10:05 AM

Mean Area 13.86
Mean Conc. 6.716mg/L



Sample

Sample Name: 640-47062-h-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

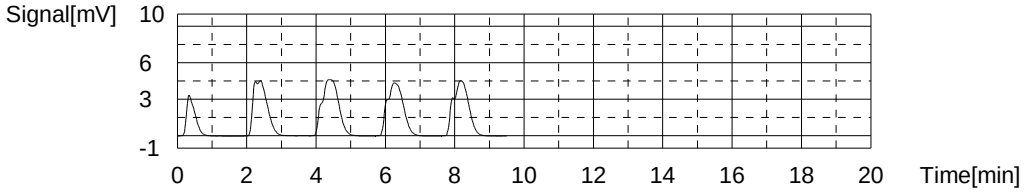
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.097mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.606	1.985mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:20:21 AM
2	12.74	6.076mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:22:25 AM
3	15.39	7.596mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:24:28 AM
4	14.08	6.844mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:26:31 AM
5	14.09	6.850mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:28:35 AM

Mean Area 14.52
Mean Conc. 7.097mg/L



Sample

Sample Name: 640-47077-d-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

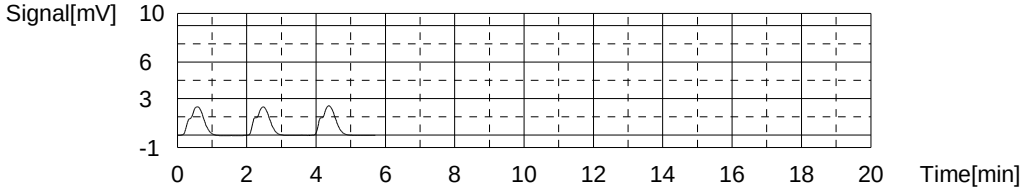
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.535mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.570	2.538mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:38:45 AM
2	6.459	2.474mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:40:49 AM
3	6.664	2.592mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:42:52 AM

Mean Area 6.564
Mean Conc. 2.535mg/L



Sample

Sample Name: 640-47077-f-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

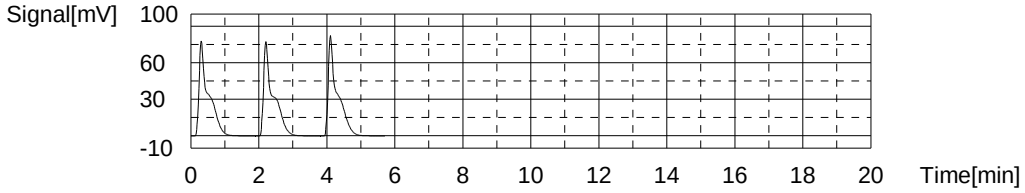
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:84.71mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	147.9	83.58mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:53:07 AM
2	149.7	84.61mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:55:11 AM
3	152.0	85.93mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:57:14 AM

Mean Area 149.9
Mean Conc. 84.71mg/L



Sample

Sample Name: 640-47077-l-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

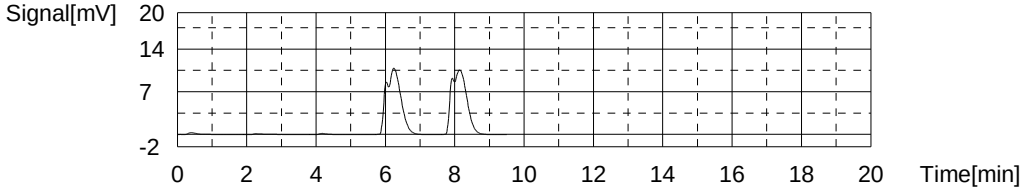
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-1.033mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5148	-0.9342mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:07:30 AM
2	0.2664	-1.077mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:09:33 AM
3	0.2456	-1.089mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:11:37 AM
4	32.12	17.19mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:13:40 AM
5	32.67	17.50mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:15:43 AM

Mean Area 0.3423
Mean Conc. -1.033mg/L



Sample

Sample Name: 640-47077-n-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

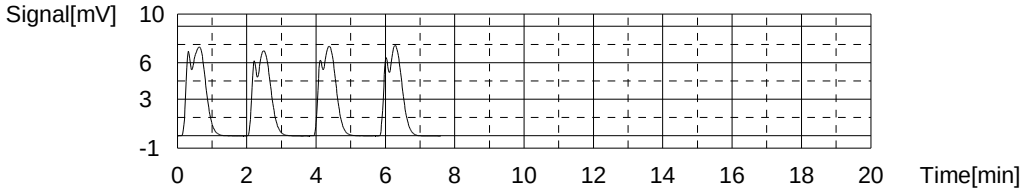
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:12.01mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	25.46	13.37mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:25:53 AM
2	22.80	11.84mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:27:57 AM
3	23.08	12.01mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:30:00 AM
4	23.41	12.19mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:32:03 AM

Mean Area 23.10
Mean Conc. 12.01mg/L



Sample

Sample Name: 640-47077-n-9
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

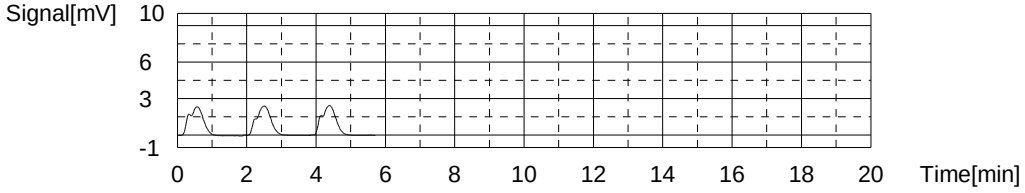
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.704mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.718	2.623mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:42:18 AM
2	6.879	2.715mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:44:21 AM
3	6.980	2.773mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:46:25 AM

Mean Area 6.859
Mean Conc. 2.704mg/L



Sample

Sample Name: 640-47092-n-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

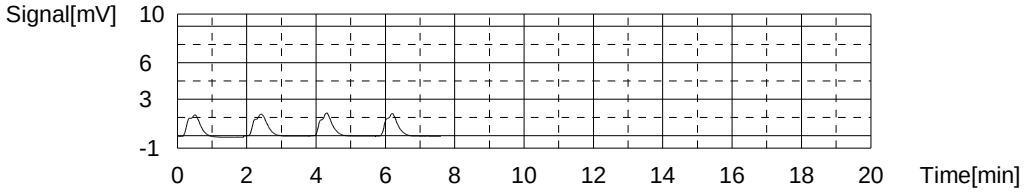
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.287mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.450	1.322mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:56:29 AM
2	4.616	1.418mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:58:32 AM
3	4.365	1.274mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:00:35 AM
4	4.348	1.264mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:02:39 AM

Mean Area 4.388
Mean Conc. 1.287mg/L



Sample

Sample Name: 680-99111-h-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

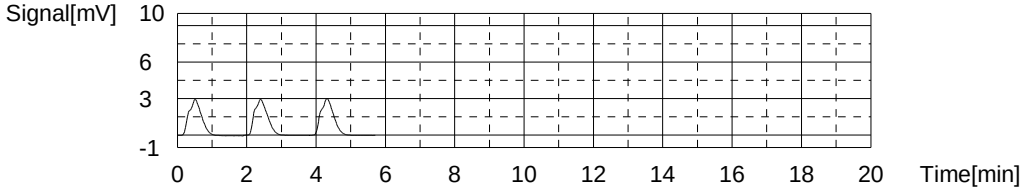
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.084mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.377	3.001mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:12:54 AM
2	7.530	3.088mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:14:57 AM
3	7.661	3.164mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:17:01 AM

Mean Area 7.523
Mean Conc. 3.084mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

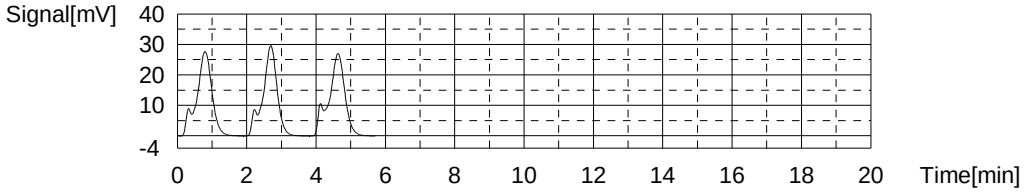
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.04mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.22	47.64mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:27:27 AM
2	85.04	47.53mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:29:31 AM
3	87.52	48.96mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:31:34 AM

Mean Area 85.93
Mean Conc. 48.04mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

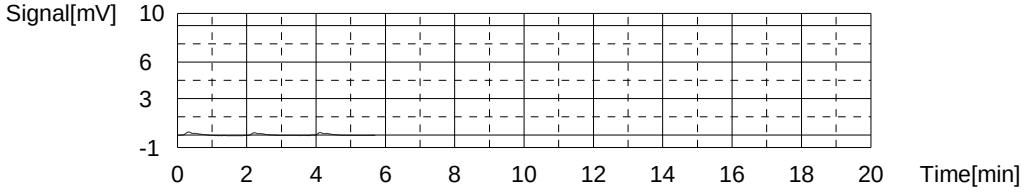
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.9829mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5203	-0.9310mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:41:50 AM
2	0.3789	-1.012mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:43:53 AM
3	0.3903	-1.006mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:45:56 AM

Mean Area 0.4298
Mean Conc. -0.9829mg/L



Sample

Sample Name: 680-99111-j-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

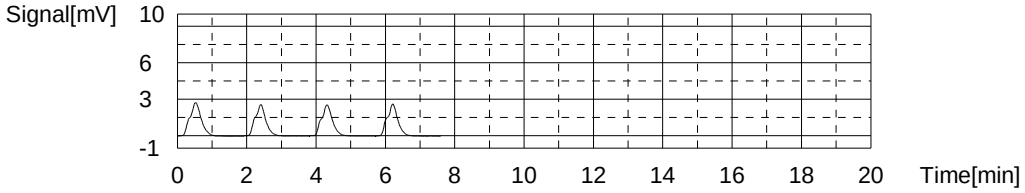
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.899mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.211	2.332mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:56:18 AM
2	5.379	1.855mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:58:22 AM
3	5.451	1.896mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 3:00:25 AM
4	5.538	1.946mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 3:02:29 AM

Mean Area 5.456
Mean Conc. 1.899mg/L



Sample

Sample Name: 680-99111-h-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

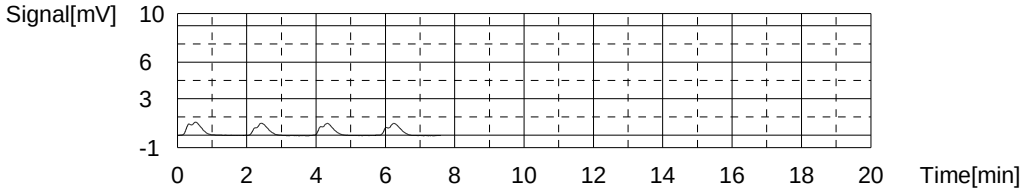
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2283mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.921	0.4456mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 3:12:45 AM
2	2.495	0.2013mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 3:14:48 AM
3	2.523	0.2174mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 3:16:51 AM
4	2.608	0.2661mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 3:18:55 AM

Mean Area 2.542
Mean Conc. 0.2283mg/L



Sample

Sample Name: 680-99111-h-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

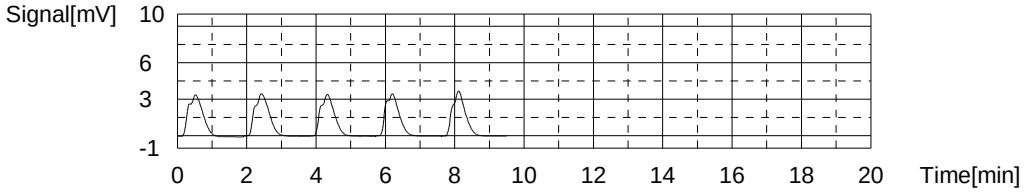
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.065mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.713	4.340mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 3:28:58 AM
2	9.788	4.383mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 3:31:01 AM
3	9.210	4.052mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 3:33:05 AM
4	9.131	4.007mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 3:35:08 AM
5	9.356	4.136mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 3:37:12 AM

Mean Area 9.232
Mean Conc. 4.065mg/L



Sample

Sample Name: 680-99111-j-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

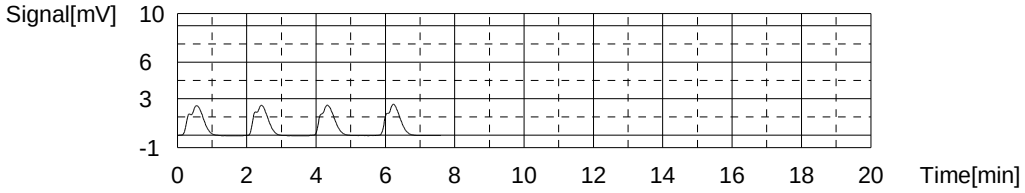
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.633mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.941	2.751mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 3:47:22 AM
2	6.644	2.580mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 3:49:25 AM
3	6.734	2.632mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 3:51:28 AM
4	6.828	2.686mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 3:53:32 AM

Mean Area 6.735
Mean Conc. 2.633mg/L



Sample

Sample Name: 680-99111-h-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

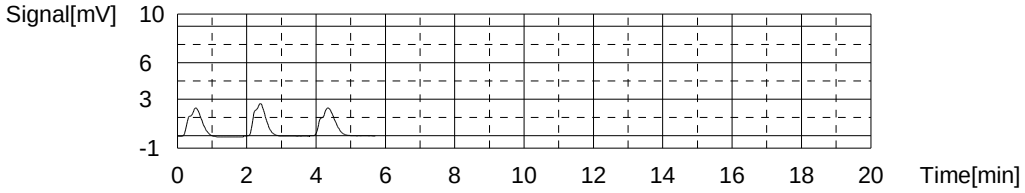
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.300mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.093	2.264mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 4:03:36 AM
2	6.210	2.332mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 4:05:39 AM
3	6.163	2.305mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 4:07:43 AM

Mean Area 6.155
Mean Conc. 2.300mg/L



Sample

Sample Name: LCS
Sample ID: 415
Origin: TOC415.1A.met
Status Completed
Chk. Result

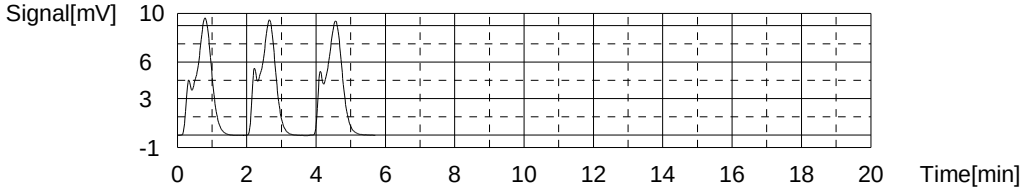
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:17.01mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	32.06	17.15mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 4:17:59 AM
2	31.45	16.80mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 4:20:03 AM
3	31.89	17.06mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 4:22:06 AM

Mean Area 31.80
Mean Conc. 17.01mg/L



Sample

Sample Name: 680-99111-i-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

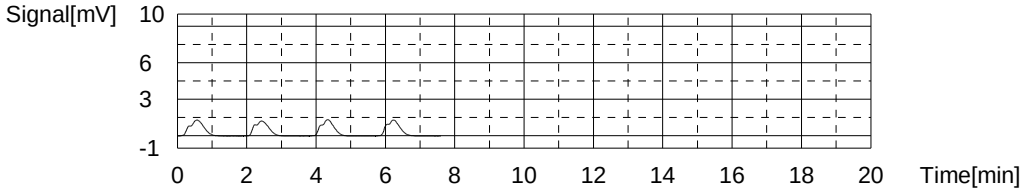
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7197mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.694	0.8888mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 4:32:25 AM
2	3.373	0.7048mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 4:34:28 AM
3	3.387	0.7128mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 4:36:32 AM
4	3.437	0.7415mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 4:38:36 AM

Mean Area 3.399
Mean Conc. 0.7197mg/L



Sample

Sample Name: 680-99111-h-7 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

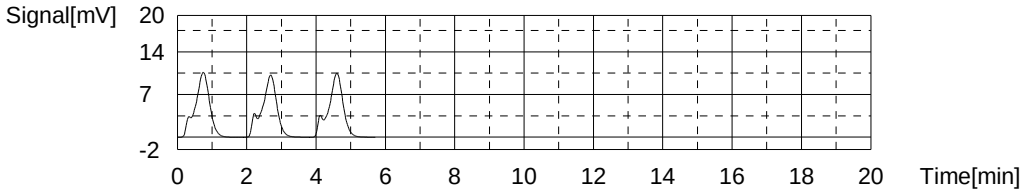
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:16.49mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	30.99	16.54mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 4:48:51 AM
2	30.67	16.36mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 4:50:55 AM
3	31.02	16.56mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 4:52:58 AM

Mean Area 30.89
Mean Conc. 16.49mg/L



Sample

Sample Name: 680-99111-h-7 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

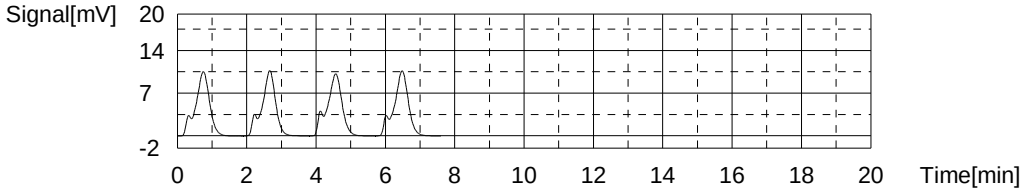
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:16.26mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	29.95	15.94mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 4:59:43 AM
2	29.45	15.66mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 5:01:46 AM
3	30.82	16.44mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 5:03:50 AM
4	30.73	16.39mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 5:05:53 AM

Mean Area 30.50
Mean Conc. 16.26mg/L



Sample

Sample Name: 680-99111-h-8
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

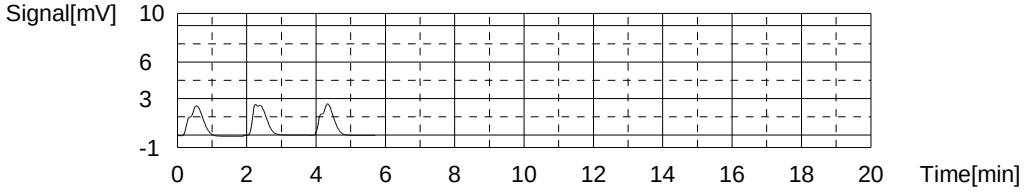
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.553mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.610	2.561mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 5:15:57 AM
2	6.641	2.579mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 5:18:00 AM
3	6.539	2.520mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 5:20:04 AM

Mean Area 6.597
Mean Conc. 2.553mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

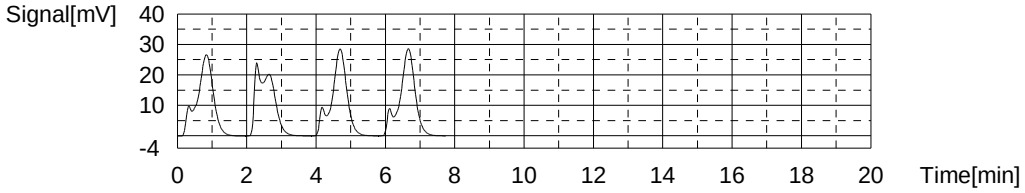
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.22mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.80	49.12mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 5:30:12 AM
2	81.57	45.54mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 5:32:16 AM
3	87.56	48.98mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 5:34:22 AM
4	88.58	49.56mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 5:36:28 AM

Mean Area 87.98
Mean Conc. 49.22mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

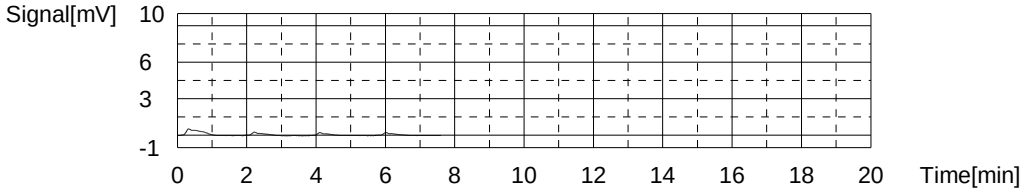
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.9630mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.499	-0.3698mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 5:46:44 AM
2	0.5613	-0.9075mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 5:48:48 AM
3	0.3957	-1.002mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 5:50:51 AM
4	0.4366	-0.9790mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 5:52:55 AM

Mean Area 0.4645
Mean Conc. -0.9630mg/L



Sample

Sample Name: 680-99116-i-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

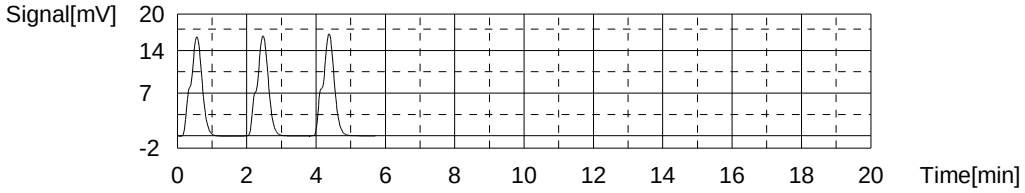
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.52mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.68	20.38mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 6:02:59 AM
2	37.62	20.34mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 6:05:02 AM
3	38.51	20.85mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 6:07:06 AM

Mean Area 37.94
Mean Conc. 20.52mg/L



Sample

Sample Name: 680-99116-i-1 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

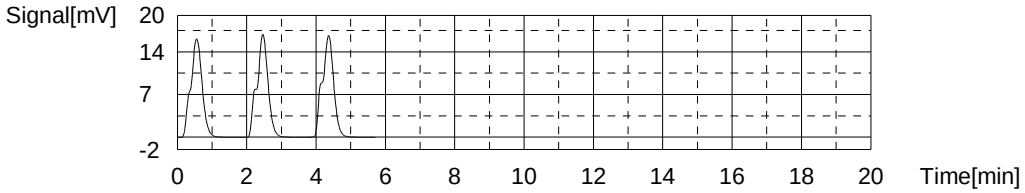
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.34mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.90	19.93mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 6:13:51 AM
2	37.89	20.50mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 6:15:54 AM
3	38.07	20.60mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 6:17:58 AM

Mean Area 37.62
Mean Conc. 20.34mg/L



Sample

Sample Name: 680-99116-i-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

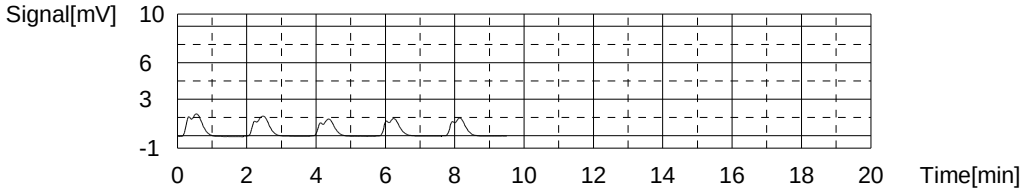
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9737mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.256	1.785mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 6:28:03 AM
2	4.618	1.419mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 6:30:06 AM
3	3.792	0.9450mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 6:32:10 AM
4	3.873	0.9915mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 6:34:13 AM
5	3.861	0.9846mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 6:36:17 AM

Mean Area 3.842
Mean Conc. 0.9737mg/L



Sample

Sample Name: 680-99116-i-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

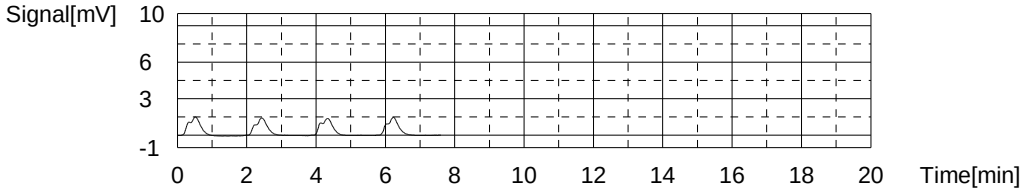
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6925mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.680	0.8808mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 6:46:27 AM
2	3.295	0.6601mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 6:48:31 AM
3	3.349	0.6910mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 6:50:34 AM
4	3.411	0.7266mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 6:52:38 AM

Mean Area 3.352
Mean Conc. 0.6925mg/L



Sample

Sample Name: 680-99116-j-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

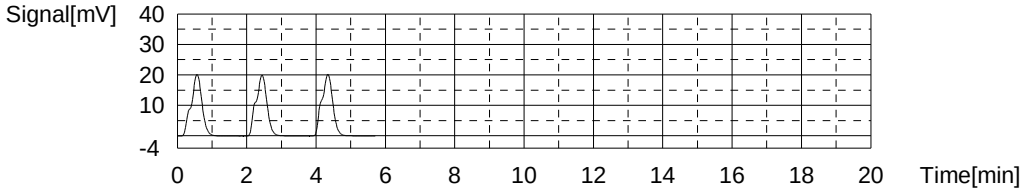
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.04mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	44.00	24.00mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 7:02:41 AM
2	43.85	23.92mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 7:04:44 AM
3	44.37	24.21mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 7:06:48 AM

Mean Area 44.07
Mean Conc. 24.04mg/L



Sample

Sample Name: 680-99116-h-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

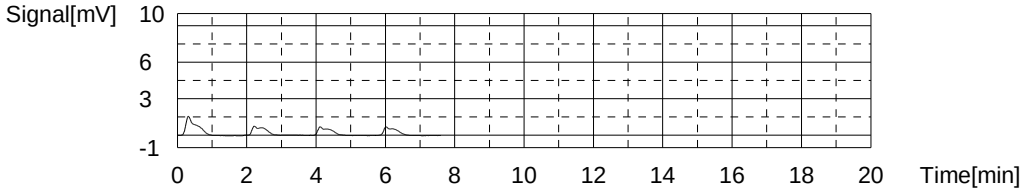
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.2217mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.327	0.6784mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 7:17:05 AM
2	1.864	-0.1605mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 7:19:08 AM
3	1.716	-0.2454mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 7:21:12 AM
4	1.692	-0.2591mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 7:23:15 AM

Mean Area 1.757
Mean Conc. -0.2217mg/L



Sample

Sample Name: 680-99116-i-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

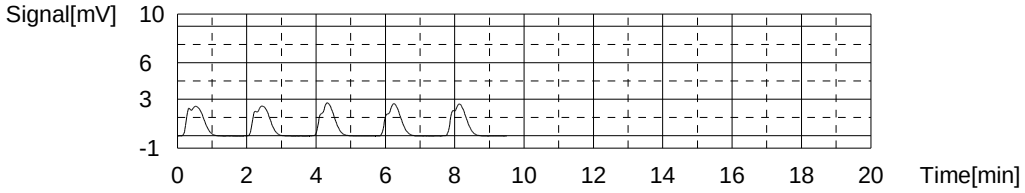
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.972mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.780	3.232mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 7:33:31 AM
2	7.574	3.114mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 7:35:35 AM
3	7.267	2.938mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 7:37:39 AM
4	7.328	2.973mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 7:39:42 AM
5	7.385	3.005mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 7:41:46 AM

Mean Area 7.327
Mean Conc. 2.972mg/L



Sample

Sample Name: 680-99116-h-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

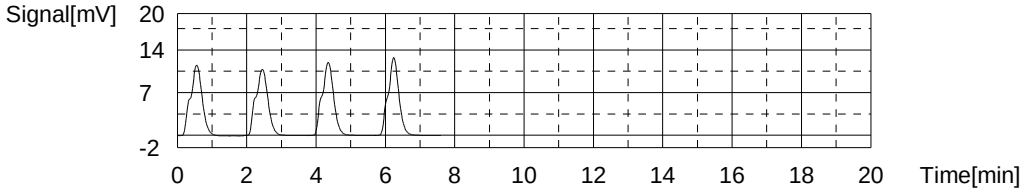
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:14.53mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	27.22	14.38mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 7:51:44 AM
2	26.37	13.89mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 7:53:47 AM
3	27.58	14.59mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 7:55:51 AM
4	27.66	14.63mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 7:57:54 AM

Mean Area 27.49
Mean Conc. 14.53mg/L



Sample

Sample Name: 680-99116-i-8
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

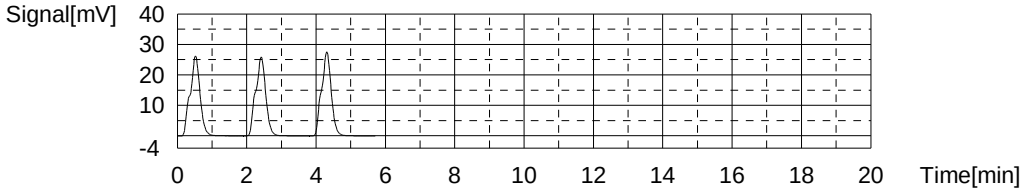
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:28.91mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	52.16	28.68mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 8:08:10 AM
2	52.20	28.70mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 8:10:14 AM
3	53.33	29.35mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 8:12:18 AM

Mean Area 52.56
Mean Conc. 28.91mg/L



Sample

Sample Name: 680-99116-j-9
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

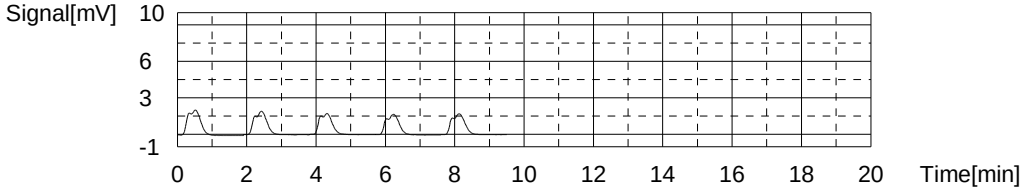
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.250mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.225	1.767mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 8:22:23 AM
2	4.775	1.509mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 8:24:26 AM
3	4.251	1.208mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 8:26:30 AM
4	4.289	1.230mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 8:28:33 AM
5	4.429	1.310mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 8:30:37 AM

Mean Area 4.323
Mean Conc. 1.250mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

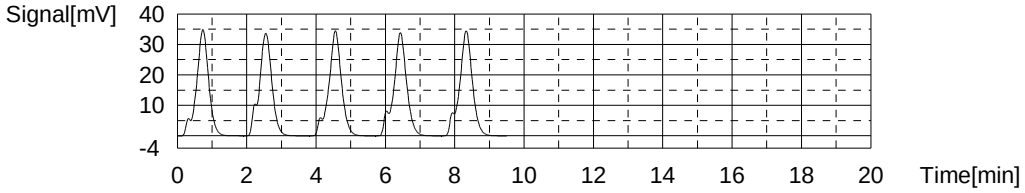
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.75mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.11	47.57mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 8:40:56 AM
2	85.32	47.69mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 8:43:00 AM
3	88.53	49.54mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 8:45:03 AM
4	88.43	49.48mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 8:47:07 AM
5	89.77	50.25mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 8:49:10 AM

Mean Area 88.91
Mean Conc. 49.75mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

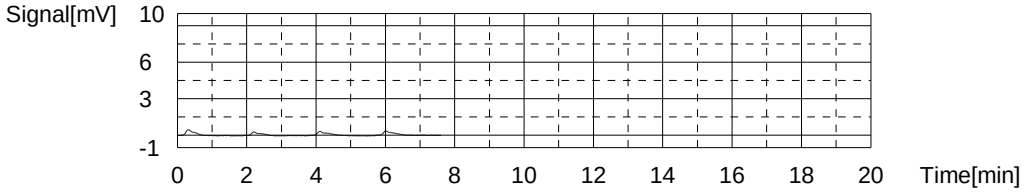
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.8408mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7524	-0.7979mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 8:59:20 AM
2	0.5133	-0.9350mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 9:01:24 AM
3	0.6065	-0.8816mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 9:03:27 AM
4	0.6739	-0.8429mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 9:05:31 AM

Mean Area 0.6776
Mean Conc. -0.8408mg/L



Sample

Sample Name: 680-99116-j-10
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

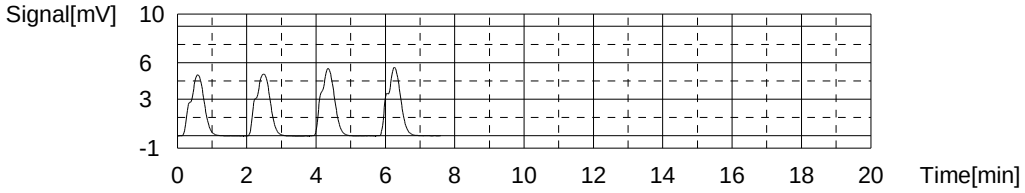
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.137mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.61	6.575mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 9:21:09 AM
2	14.46	7.062mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 9:23:12 AM
3	14.58	7.131mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 9:25:16 AM
4	14.73	7.217mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 9:27:20 AM

Mean Area 14.59
Mean Conc. 7.137mg/L



Sample

Sample Name: 680-99116-j-11
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

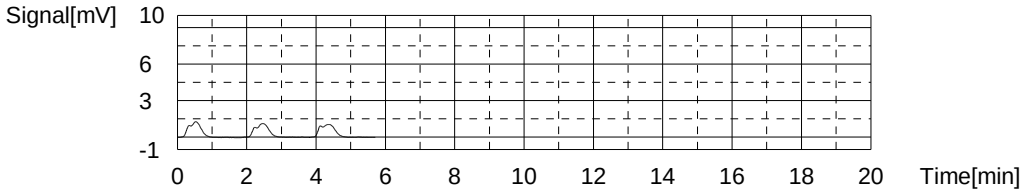
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5509mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.195	0.6027mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 9:37:36 AM
2	3.004	0.4932mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 9:39:40 AM
3	3.115	0.5568mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 9:41:43 AM

Mean Area 3.105
Mean Conc. 0.5509mg/L



Sample

Sample Name: 680-99116-h-12
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

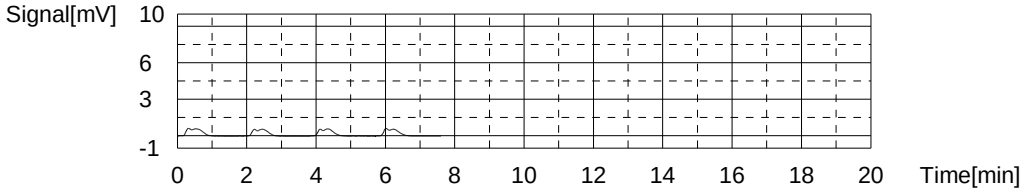
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.3125mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.792	-0.2018mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 9:52:02 AM
2	1.604	-0.3096mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 9:54:05 AM
3	1.602	-0.3107mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 9:56:09 AM
4	1.591	-0.3171mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 9:58:12 AM

Mean Area 1.599
Mean Conc. -0.3125mg/L



Sample

Sample Name: 680-99116-j-13
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

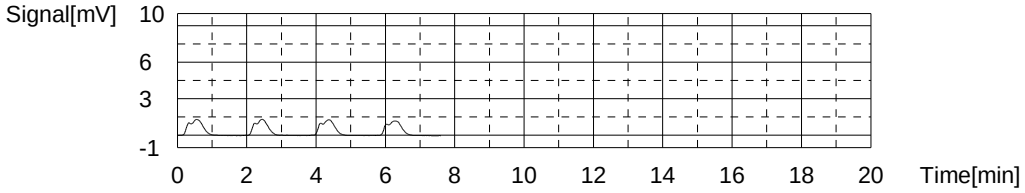
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7948mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.692	0.8877mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 10:08:28 AM
2	3.462	0.7558mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 10:10:32 AM
3	3.573	0.8195mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 10:12:35 AM
4	3.555	0.8091mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 10:14:38 AM

Mean Area 3.530
Mean Conc. 0.7948mg/L



Sample

Sample Name: 680-99116-h-14
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

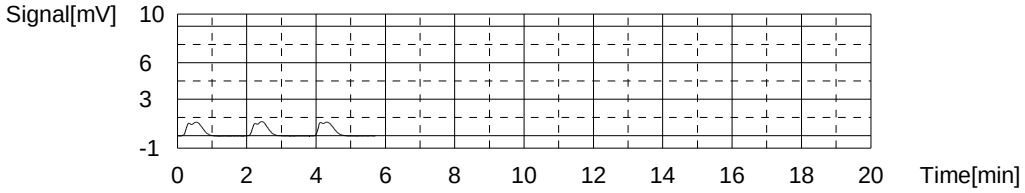
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6463mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.327	0.6784mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 10:24:56 AM
2	3.211	0.6119mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 10:27:00 AM
3	3.275	0.6486mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 10:29:03 AM

Mean Area 3.271
Mean Conc. 0.6463mg/L



Sample

Sample Name: 680-99146-c-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

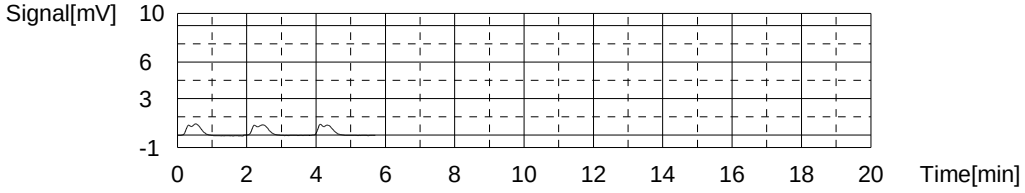
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1834mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.477	0.1910mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 10:39:23 AM
2	2.555	0.2357mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 10:41:27 AM
3	2.359	0.1233mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 10:43:31 AM

Mean Area 2.464
Mean Conc. 0.1834mg/L



Sample

Sample Name: 680-99146-d-1 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

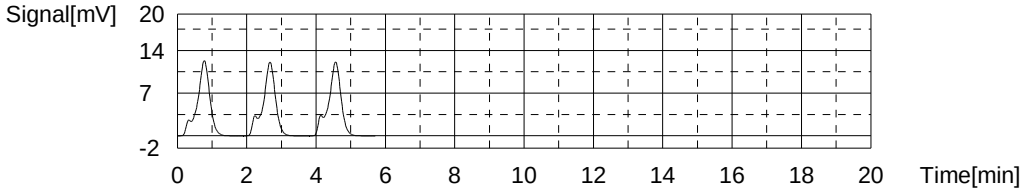
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:16.40mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	30.80	16.43mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 10:53:47 AM
2	30.47	16.24mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 10:55:51 AM
3	30.94	16.51mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 10:57:55 AM

Mean Area 30.74
Mean Conc. 16.40mg/L



Sample

Sample Name: 680-99146-d-1 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

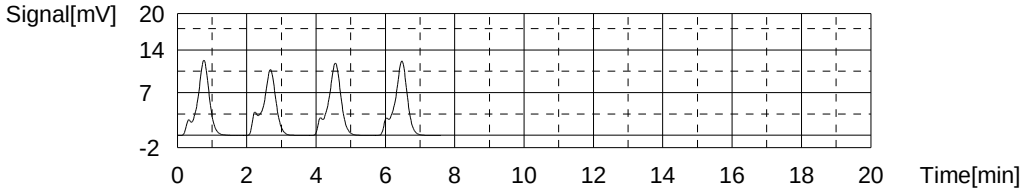
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:16.24mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	29.83	15.88mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 11:04:42 AM
2	29.29	15.57mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 11:06:45 AM
3	30.62	16.33mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 11:08:49 AM
4	30.96	16.52mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 11:10:53 AM

Mean Area 30.47
Mean Conc. 16.24mg/L



Sample

Sample Name: 680-99146-c-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

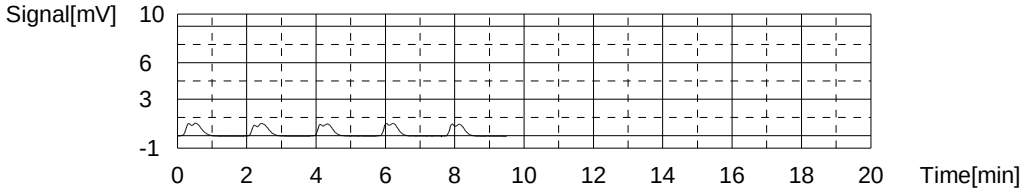
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3093mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.005	0.4938mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 11:21:11 AM
2	2.958	0.4668mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 11:23:14 AM
3	2.651	0.2908mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 11:25:18 AM
4	2.719	0.3298mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 11:27:22 AM
5	2.680	0.3074mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 11:29:26 AM

Mean Area 2.683
Mean Conc. 0.3093mg/L



Sample

Sample Name: 680-99146-c-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

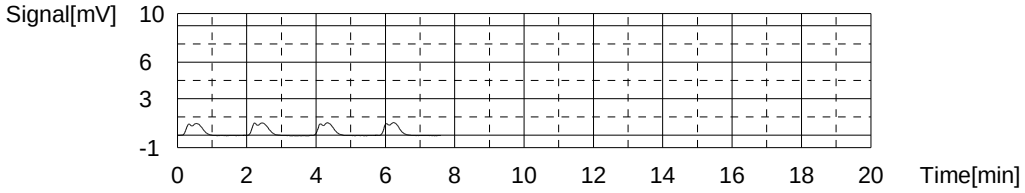
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4206mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.860	0.4106mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 11:39:37 AM
2	3.045	0.5167mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 11:41:41 AM
3	2.859	0.4100mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 11:43:44 AM
4	2.913	0.4410mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 11:45:48 AM

Mean Area 2.877
Mean Conc. 0.4206mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

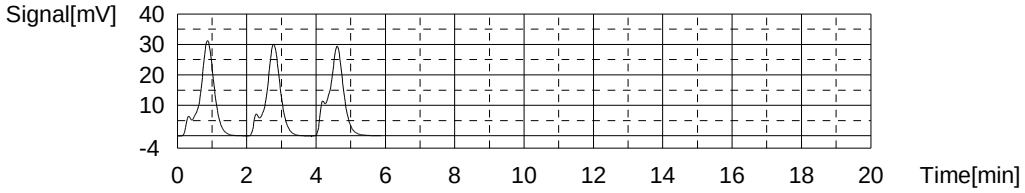
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.35mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	89.39	50.03mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 11:56:20 AM
2	86.78	48.53mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 11:58:23 AM
3	88.47	49.50mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:00:34 PM

Mean Area 88.21
Mean Conc. 49.35mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

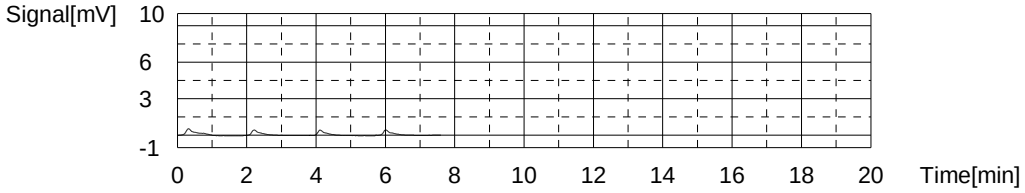
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.8156mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.130	-0.5814mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:10:52 PM
2	0.7637	-0.7914mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:12:55 PM
3	0.7040	-0.8257mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:14:59 PM
4	0.6971	-0.8296mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:17:02 PM

Mean Area 0.7216
Mean Conc. -0.8156mg/L



Sample

Sample Name: 680-99146-d-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

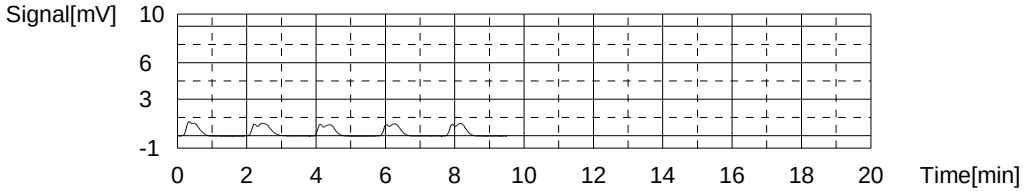
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4485mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.704	0.3212mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:27:22 PM
2	3.397	0.7185mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:29:25 PM
3	2.933	0.4525mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:31:29 PM
4	2.899	0.4330mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:33:32 PM
5	2.946	0.4599mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:35:36 PM

Mean Area 2.926
Mean Conc. 0.4485mg/L



Sample

Sample Name: 680-99146-c-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

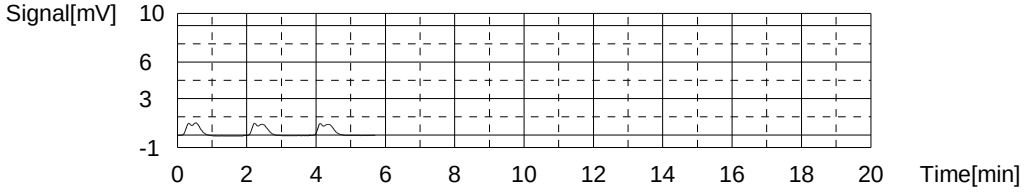
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3070mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.679	0.3068mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:45:47 PM
2	2.683	0.3091mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:47:51 PM
3	2.676	0.3051mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 12:49:55 PM

Mean Area 2.679
Mean Conc. 0.3070mg/L



Sample

Sample Name: 660-59509-e-1
Sample ID: 50 Dil
Origin: TOC415.1A.met
Status Completed
Chk. Result

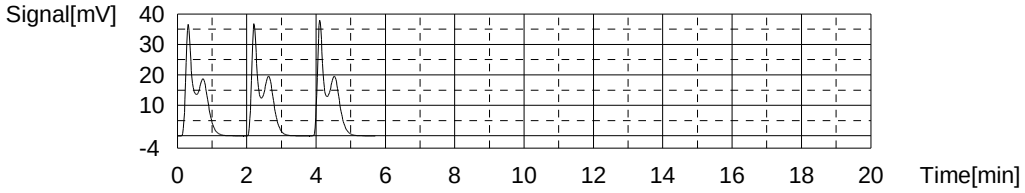
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2437mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.30	2442mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:00:55 PM
2	86.12	2408mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:02:59 PM
3	87.97	2461mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:05:03 PM

Mean Area 87.13
Mean Conc. 2437mg/L



Sample

Sample Name: 660-59509-d-1 MS
Sample ID: 50
Origin: TOC415.1A.met
Status Completed
Chk. Result

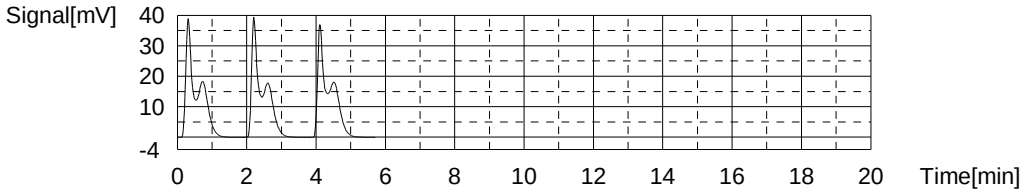
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2413mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.72	2425mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:16:01 PM
2	85.87	2401mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:18:04 PM
3	86.30	2413mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:20:09 PM

Mean Area 86.30
Mean Conc. 2413mg/L



Sample

Sample Name: 660-59509-d-1 MSD
Sample ID: 50
Origin: TOC415.1A.met
Status Completed
Chk. Result

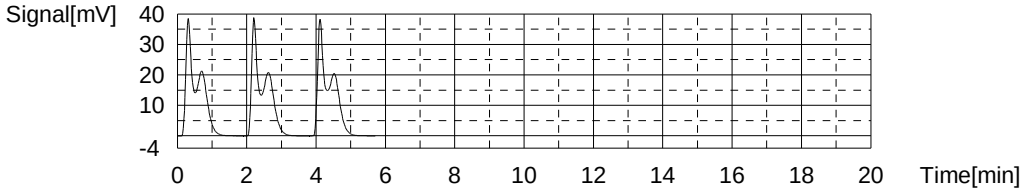
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2582mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	91.46	2561mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:29:18 PM
2	92.71	2597mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:31:22 PM
3	92.46	2589mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:33:26 PM

Mean Area 92.21
Mean Conc. 2582mg/L



Sample

Sample Name: 660-59509-f-2
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

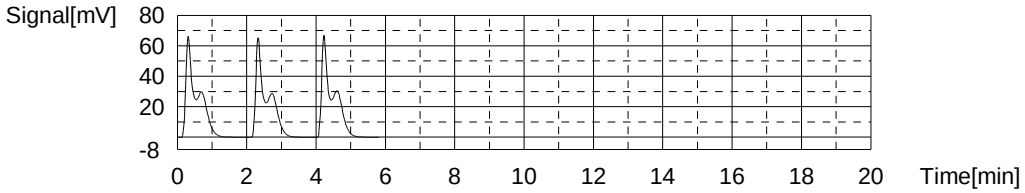
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:820.7mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	146.8	829.5mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:44:31 PM
2	143.3	809.4mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:46:34 PM
3	145.7	823.2mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:48:38 PM

Mean Area 145.3
Mean Conc. 820.7mg/L



Sample

Sample Name: 660-59509-d-5
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

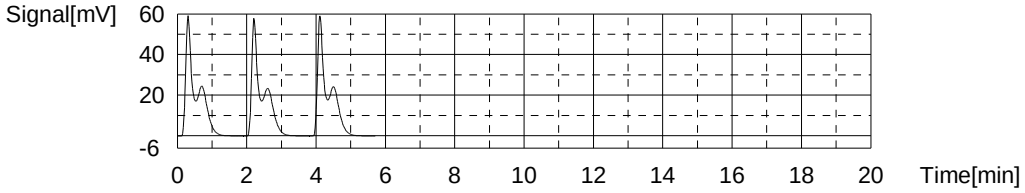
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:678.7mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	121.0	681.5mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 1:59:37 PM
2	118.6	667.8mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:01:40 PM
3	121.9	686.7mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:03:44 PM

Mean Area 120.5
Mean Conc. 678.7mg/L



Sample

Sample Name: 660-59509-e-6
Sample ID: 20
Origin: TOC415.1A.met
Status Completed
Chk. Result

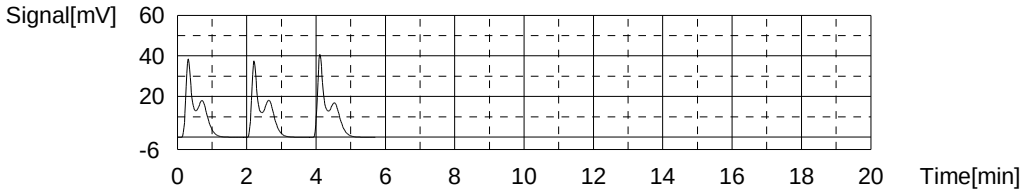
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:966.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.45	955.4mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:14:40 PM
2	85.50	956.0mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:16:44 PM
3	88.22	987.2mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:18:48 PM

Mean Area 86.39
Mean Conc. 966.2mg/L



Sample

Sample Name: 660-59509-e-7
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

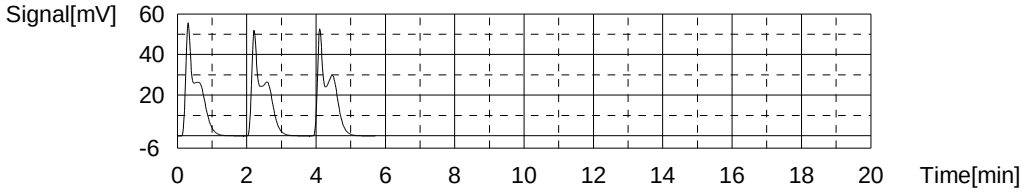
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:354.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	123.6	348.2mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:29:47 PM
2	125.8	354.5mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:31:51 PM
3	127.7	360.0mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:33:55 PM

Mean Area 125.7
Mean Conc. 354.2mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

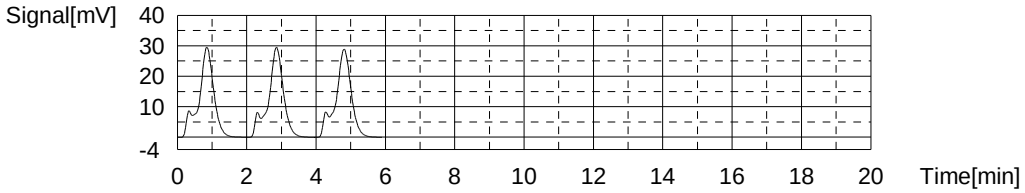
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.06mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	88.68	49.62mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:44:23 PM
2	89.62	50.16mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:46:31 PM
3	90.04	50.40mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:48:38 PM

Mean Area 89.45
Mean Conc. 50.06mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

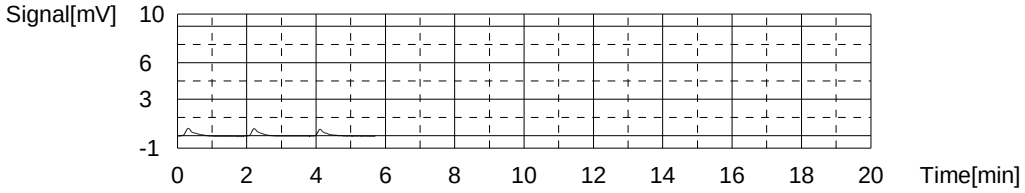
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.6737mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.082	-0.6089mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 2:58:57 PM
2	0.9248	-0.6991mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 3:01:00 PM
3	0.9001	-0.7132mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/13/2014 3:03:04 PM

Mean Area	0.9690
Mean Conc.	-0.6737mg/L



	Sample Name	Sample ID	Dilution	Result	Action	Date / Time	Vial
1	TC	TC	1.000			3/4/2014 4:59	1, 2, 3, 4, 5, 6

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Cal. Curve

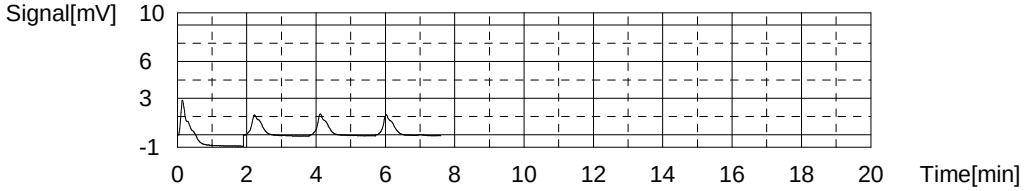
Sample Name:	TC
Sample ID:	TC
Cal. Curve:	TOCCURVE100.2014_03_04_15_36_53.cal
Status	Completed

Type	Anal.
Standard	TC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.000	50uL	1	*******	E	3/4/2014 3:41:51 PM
2	3.107	50uL	1	*******		3/4/2014 3:44:03 PM
3	3.067	50uL	1	*******		3/4/2014 3:46:07 PM
4	2.960	50uL	1	*******		3/4/2014 3:48:10 PM

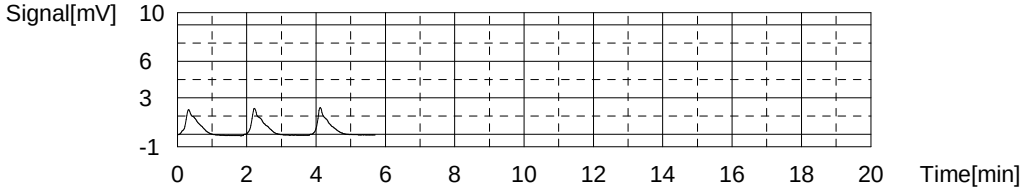
Acid Add. 0.000%
Mean Area 3.045



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.586	50uL	1	*******		3/4/2014 3:54:01 PM
2	4.661	50uL	1	*******		3/4/2014 3:56:05 PM
3	4.521	50uL	1	*******		3/4/2014 3:58:08 PM

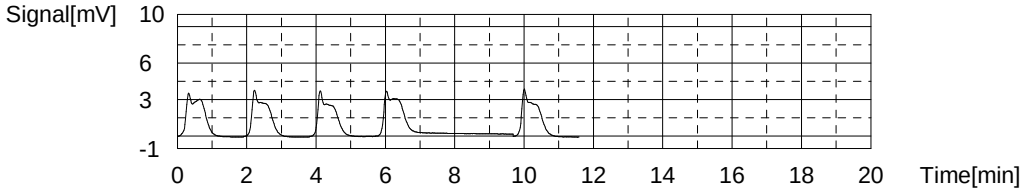
Acid Add. 0.000%
Mean Area 4.589



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	11.18	50uL	1	*******		3/4/2014 4:04:01 PM
2	11.20	50uL	1	*******		3/4/2014 4:06:04 PM
3	10.77	50uL	1	*******	E	3/4/2014 4:08:15 PM
4	14.08	50uL	1	*******	E	3/4/2014 4:12:23 PM
5	11.13	50uL	1	*******		3/4/2014 4:14:27 PM

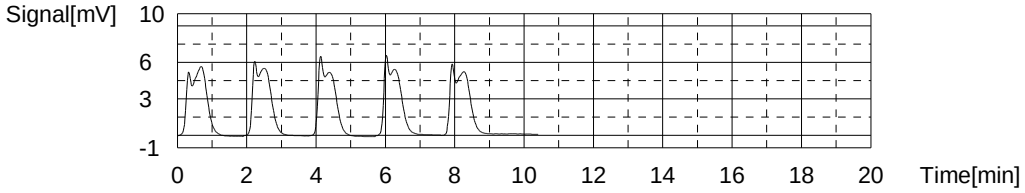
Acid Add. 0.000%
Mean Area 11.17



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	20.19	50uL	1	*******		3/4/2014 4:20:13 PM
2	19.81	50uL	1	*******		3/4/2014 4:22:17 PM
3	18.98	50uL	1	*******	E	3/4/2014 4:24:20 PM
4	19.10	50uL	1	*******	E	3/4/2014 4:26:23 PM
5	20.47	50uL	1	*******		3/4/2014 4:29:21 PM

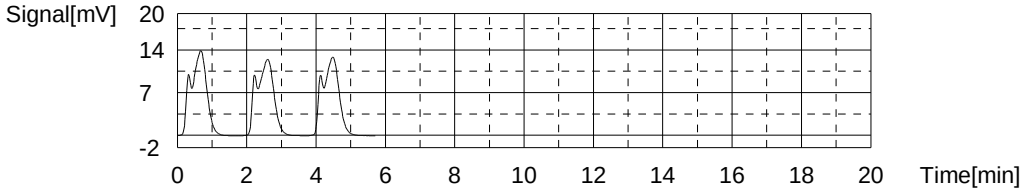
Acid Add. 0.000%
Mean Area 20.16



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	44.55	50uL	1	*******		3/4/2014 4:35:07 PM
2	43.46	50uL	1	*******		3/4/2014 4:37:11 PM
3	43.06	50uL	1	*******		3/4/2014 4:39:14 PM

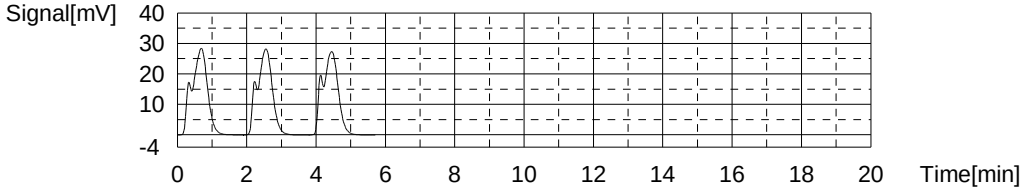
Acid Add. 0.000%
Mean Area 43.69



Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	89.41	50uL	1	*******		3/4/2014 4:45:07 PM
2	86.36	50uL	1	*******		3/4/2014 4:47:10 PM
3	87.07	50uL	1	*******		3/4/2014 4:49:14 PM

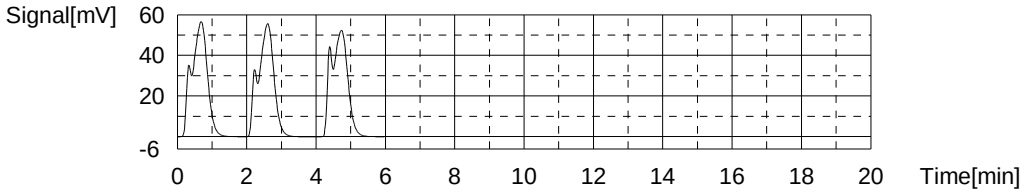
Acid Add. 0.000%
Mean Area 87.61



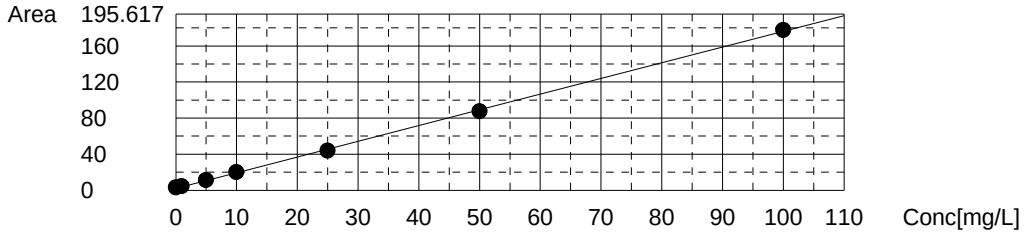
Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	179.9	50uL	1	*******		3/4/2014 4:55:07 PM
2	177.0	50uL	1	*******		3/4/2014 4:57:26 PM
3	176.6	50uL	1	*******		3/4/2014 4:59:29 PM

Acid Add. 0.000%
Mean Area 177.8



Slope:	1.744
Intercept	2.144
r^2	0.999567
r	0.999783
Zero Shift	No



GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 317820 Batch Start Date: 02/28/14 13:45 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 02/28/14 14:13

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 ICV 00022		
ICV 680-317820/10		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		

Batch Notes	
Batch Comment	preservation: 317743
Buffer Reagent ID Number	3449146
EDTA Lot Number	40657
Hypochlorite Reagent ID Number	3473224
NaOH Lot #	57415
Sodium Nitroprusside Reagent ID	3418883
Pipette ID	ge1
Perform Calculation (0=No, 1=Yes)	0
Sodium Phenolate Reagent ID Number	3473228

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 319360 Batch Start Date: 03/12/14 13:29 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 03/12/14 15:06

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 100PPM 00041	NH3 LCS 00043	
CCB 680-319360/7		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319360/8		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
MB 680-319360/9		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99116-C-2	SMSMW13A	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99116-C-2 MS	SMSMW13A	350.1	T	10 mL	10 mL	Not Calculated. Perform Calculation not set to Run.	0.1 mL		
680-99116-C-2 MSD	SMSMW13A	350.1	T	10 mL	10 mL	Not Calculated. Perform Calculation not set to Run.	0.1 mL		
680-99116-C-5	SMSMW13B	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319360/14		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
CCB 680-319360/15		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99116-C-5 DU	SMSMW13B	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 319360 Batch Start Date: 03/12/14 13:29 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 03/12/14 15:06

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 100PPM 00041	NH3 LCS 00043	
680-99116-C-3	SMSMW12B	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99116-C-6	SMSSW20	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319360/23		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
CCB 680-319360/24		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99116-C-7	SMSMW11A	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
LCS 680-319360/27		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
CCB 680-319360/28		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319360/31		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
CCB 680-319360/32		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99116-C-9	SMSSW10	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 319360 Batch Start Date: 03/12/14 13:29 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 03/12/14 15:06

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 100PPM 00041	NH3 LCS 00043	
680-99116-C-4	SMSMW07A	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99116-C-8	SMSMW07B	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99116-C-1	SMSMW11B	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319360/38		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
CCB 680-319360/39		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			

Batch Notes	
Batch Comment	preservation: 319303 & dilutions: 319250
Buffer Reagent ID Number	3449146
EDTA Lot Number	40657
Hypochlorite Reagent ID Number	3485526
NaOH Lot #	57415
Sodium Nitroprusside Reagent ID	3418883
Pipette ID	GE1
Perform Calculation (0=No, 1=Yes)	0
Sodium Phenolate Reagent ID Number	3485527

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 319784 Batch Start Date: 03/14/14 18:06 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 03/15/14 13:03

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 100PPM 00041	NH3 LCS 00043	
CCV 680-319784/1		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
CCB 680-319784/2		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99116-C-12	SMSSW08 SPRING	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99116-C-12 MS	SMSSW08 SPRING	350.1	T	10 mL	10 mL	Not Calculated. Perform Calculation not set to Run.	0.1 mL		
680-99116-C-12 MSD	SMSSW08 SPRING	350.1	T	10 mL	10 mL	Not Calculated. Perform Calculation not set to Run.	0.1 mL		
680-99116-C-11	SMSSW08	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99116-C-11 DU	SMSSW08	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99116-C-13	SMSSW04	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319784/9		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
CCB 680-319784/10		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 319784 Batch Start Date: 03/14/14 18:06 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 03/15/14 13:03

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 100PPM 00041	NH3 LCS 00043	
LCS 680-319784/11		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
MB 680-319784/12		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99116-C-14	SMSSW12	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319784/23		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
CCB 680-319784/24		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99116-C-10	SMSSW02	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319784/31		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.		2 mL	
CCB 680-319784/32		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 319784 Batch Start Date: 03/14/14 18:06 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 03/15/14 13:03

Batch Notes	
Batch Comment	preservation: 319650 & diltuion: 319652
Buffer Reagent ID Number	3449146
EDTA Lot Number	40657
Hypochlorite Reagent ID Number	3490135
NaOH Lot #	57415
Sodium Nitroprusside Reagent ID	3418883
Pipette ID	ge1
Perform Calculation (0=No, 1=Yes)	0
Sodium Phenolate Reagent ID Number	3490134

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 310250 Batch Start Date: 01/02/14 09:48 Batch Analyst: West, Ryan

Batch Method: 365.1 Batch End Date: 01/02/14 11:17

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	PO4 ICV 00015			
ICV 680-310250/9		365.1		2 mL	2 mL	2 mL			
ICB 680-310250/10		365.1		2 mL	2 mL				

Batch Notes	
Ammonium Molybdate Reagent ID Number	ortho reagent 1 00021
Ascorbic Acid Reagent ID Number	ortho reagent 2 00300
Potassium Antimonyl Tartrate Reagent ID	ortho reagent 1 00021
Pipette ID	GE8

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 318579 Batch Start Date: 03/06/14 14:23 Batch Analyst: Xiang, George R

Batch Method: 365.1 Batch End Date: 03/06/14 15:42

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	PO4 LCS 00111			
LCS 680-318579/1		365.1		2 mL	2 mL	2 mL			
MB 680-318579/2		365.1		2 mL	2 mL				
CCV 680-318579/10		365.1		2 mL	2 mL	2 mL			
CCB 680-318579/11		365.1		2 mL	2 mL				
680-99116-G-1	SMSMW11B	365.1	T	2 mL	2 mL				
680-99116-G-2	SMSMW13A	365.1	T	2 mL	2 mL				
680-99116-G-3	SMSMW12B	365.1	T	2 mL	2 mL				
CCV 680-318579/22		365.1		2 mL	2 mL	2 mL			
CCB 680-318579/23		365.1		2 mL	2 mL				
680-99116-G-4	SMSMW07A	365.1	T	2 mL	2 mL				
680-99116-G-5	SMSMW13B	365.1	T	2 mL	2 mL				
680-99116-G-6	SMSSW20	365.1	T	2 mL	2 mL				
CCV 680-318579/27		365.1		2 mL	2 mL	2 mL			
CCB 680-318579/28		365.1		2 mL	2 mL				
CCV 680-318579/29		365.1		2 mL	2 mL	2 mL			
CCB 680-318579/30		365.1		2 mL	2 mL				
CCV 680-318579/34		365.1		2 mL	2 mL	2 mL			
CCB 680-318579/35		365.1		2 mL	2 mL				

Batch Notes	
Ammonium Molybdate Reagent ID Number	ortho reagent 1 00021
Ascorbic Acid Reagent ID Number	ortho reagent 2 00328
Potassium Antimonyl Tartrate Reagent ID	ortho reagent 1 00021
Pipette ID	ge1

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 318579 Batch Start Date: 03/06/14 14:23 Batch Analyst: Xiang, George R

Batch Method: 365.1 Batch End Date: 03/06/14 15:42

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 318580 Batch Start Date: 03/06/14 14:30 Batch Analyst: Xiang, George R

Batch Method: 365.1 Batch End Date: 03/06/14 15:59

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	PO4 LCS 00111			
LCS 680-318580/1		365.1		2 mL	2 mL	2 mL			
MB 680-318580/2		365.1		2 mL	2 mL				
680-99116-G-7	SMSMW11A	365.1	T	2 mL	2 mL				
680-99116-G-8	SMSMW07B	365.1	T	2 mL	2 mL				
680-99116-G-9	SMSSW10	365.1	T	2 mL	2 mL				
680-99116-G-10	SMSSW02	365.1	T	2 mL	2 mL				
CCV 680-318580/10		365.1		2 mL	2 mL	2 mL			
CCB 680-318580/11		365.1		2 mL	2 mL				
680-99116-G-11	SMSSW08	365.1	T	2 mL	2 mL				
680-99116-G-12	SMSSW08 SPRING	365.1	T	2 mL	2 mL				
680-99116-G-13	SMSSW04	365.1	T	2 mL	2 mL				
680-99116-G-14	SMSSW12	365.1	T	2 mL	2 mL				
CCV 680-318580/20		365.1		2 mL	2 mL	2 mL			
CCB 680-318580/21		365.1		2 mL	2 mL				

Batch Notes	
Ammonium Molybdate Reagent ID Number	ortho reagent 1 00021
Ascorbic Acid Reagent ID Number	ortho reagent 2 00328
Potassium Antimonyl Tartrate Reagent ID	ortho reagent 1 00021
Pipette ID	ge1

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 312999 Batch Start Date: 01/25/14 13:18 Batch Analyst: West, Ryan

Batch Method: 7196A Batch End Date: 01/25/14 13:38

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	CR6 ICV 00025		
ICV 680-312999/8		7196A		2 mL	2 mL	Color Resp. is Blank	2 mL		
ICB 680-312999/9		7196A		2 mL	2 mL	Color Resp. is Blank			

Batch Notes	
Spectrophotometer Cell Path Length	1 cm
Color Reagent ID Number	CR6 reagent 00089
First End time	01/25/14 13:38
pH Range	1.5-2.5
Pipette ID	GE1
First Start time	01/25/14 13:18

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 318428 Batch Start Date: 03/05/14 13:36 Batch Analyst: Xiang, George R

Batch Method: 7196A Batch End Date: 03/05/14 13:37

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	CR6 LCS 00117		
CCB 680-318428/1		7196A		2 mL	2 mL	Color Resp. is Blank			
CCV 680-318428/2		7196A		2 mL	2 mL	Color Resp. is Blank	2 mL		
680-99116-K-1	SMSMW11B	7196A	T	2 mL	2 mL	Color Resp. is Blank			
680-99116-K-2	SMSMW13A	7196A	T	2 mL	2 mL	Color Resp. is Blank			
680-99116-K-3	SMSMW12B	7196A	T	2 mL	2 mL	Color Resp. is Blank			
MB 680-318428/9		7196A		2 mL	2 mL	Color Resp. is Blank			
LCS 680-318428/10		7196A		2 mL	2 mL	Color Resp. is Blank	2 mL		

Batch Notes	
Spectrophotometer Cell Path Length	1 cm
Color Reagent ID Number	cr6 reagent 00098
First End time	03/05/14 13:37
pH Range	1.5-2.5
Pipette ID	ge1
First Start time	03/05/14 13:36

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 318525 Batch Start Date: 03/06/14 13:56 Batch Analyst: Orr, Ashley J

Batch Method: 4500 S2 F-2011 Batch End Date: 03/06/14 14:56

Lab Sample ID	Client Sample ID	Method Chain	Basis	BuretStart1	BuretStop1	TitrantVolume1	IodineAmount	InitialAmount	FinalAmount
MB 680-318525/1		4500 S2 F-2011		0 mL	9.85 mL	9.85 mL	2.5 mL	250 mL	250 mL
LCS 680-318525/2		4500 S2 F-2011		0 mL	3.65 mL	3.65 mL	2.5 mL	250 mL	250 mL
LCSD 680-318525/3		4500 S2 F-2011		0 mL	4.00 mL	4 mL	2.5 mL	250 mL	250 mL
680-99116-D-11	SMSSW08	4500 S2 F-2011	T	0 mL	9.85 mL	9.85 mL	2.5 mL	250 mL	250 mL
680-99116-D-12	SMSSW08 SPRING	4500 S2 F-2011	T	0 mL	9.85 mL	9.85 mL	2.5 mL	250 mL	250 mL
680-99116-D-13	SMSSW04	4500 S2 F-2011	T	0 mL	9.90 mL	9.9 mL	2.5 mL	250 mL	250 mL
680-99116-D-14	SMSSW12	4500 S2 F-2011	T	0 mL	9.95 mL	9.95 mL	2.5 mL	250 mL	250 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	Final pH	SulfideCheck	CalcMsg	SulfideLCS 00335	
MB 680-318525/1		4500 S2 F-2011		7 SU	<2 SU	N	OK		
LCS 680-318525/2		4500 S2 F-2011		>9 SU	<2 SU	N	OK	240 uL	
LCSD 680-318525/3		4500 S2 F-2011		>9 SU	<2 SU	N	OK	240 uL	
680-99116-D-11	SMSSW08	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99116-D-12	SMSSW08 SPRING	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99116-D-13	SMSSW04	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99116-D-14	SMSSW12	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 318525 Batch Start Date: 03/06/14 13:56 Batch Analyst: Orr, Ashley J

Batch Method: 4500 S2 F-2011 Batch End Date: 03/06/14 14:56

Batch Notes	
First End time	03/06/14 14:56
Lot # of hydrochloric acid	3396327
Iodine Lot Number	3402248
Iodine Vendor	Ricca
Normality of Iodine Solution	0.099769325 N
Lead Acetate Paper Lot #	3375790
Sodium Thiosulfate Lot Number	3435654
Sodium Thiosulfate Vendor	Ricca
Nominal Amount Used	250 mL
pH Strip Lot #	3376411
Pipette ID	GE2
Perform Calculation (0=No, 1=Yes)	1
Starch Lot Number	3143480
Starch Vendor	Fisher
First Start time	03/06/14 13:56
Normality of first Titrant	0.02523676 N
Titrant Standardization Date	03.06.14

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 318547 Batch Start Date: 03/06/14 15:18 Batch Analyst: Orr, Ashley J

Batch Method: 4500 S2 F-2011 Batch End Date: 03/06/14 16:18

Lab Sample ID	Client Sample ID	Method Chain	Basis	BuretStart1	BuretStop1	TitrantVolume1	IodineAmount	InitialAmount	FinalAmount
MB 680-318547/1		4500 S2 F-2011		0 mL	9.90 mL	9.9 mL	2.5 mL	250 mL	250 mL
LCS 680-318547/2		4500 S2 F-2011		0 mL	3.80 mL	3.8 mL	2.5 mL	250 mL	250 mL
LCSD 680-318547/3		4500 S2 F-2011		0 mL	3.80 mL	3.8 mL	2.5 mL	250 mL	250 mL
680-99116-E-1	SMSMW11B	4500 S2 F-2011	T	0 mL	9.80 mL	9.8 mL	2.5 mL	250 mL	250 mL
680-99116-D-1 DU	SMSMW11B	4500 S2 F-2011	T	0 mL	9.70 mL	9.7 mL	2.5 mL	250 mL	250 mL
680-99116-E-2	SMSMW13A	4500 S2 F-2011	T	0 mL	11.20 mL	11.2 mL	2.5 mL	250 mL	250 mL
680-99116-E-3	SMSMW12B	4500 S2 F-2011	T	0 mL	9.95 mL	9.95 mL	2.5 mL	250 mL	250 mL
680-99116-E-4	SMSMW07A	4500 S2 F-2011	T	0 mL	12.37 mL	12.37 mL	2.5 mL	250 mL	250 mL
680-99116-D-5	SMSMW13B	4500 S2 F-2011	T	0 mL	10.00 mL	10 mL	2.5 mL	250 mL	250 mL
680-99116-D-6	SMSSW20	4500 S2 F-2011	T	0 mL	9.80 mL	9.8 mL	2.5 mL	250 mL	250 mL
680-99116-D-7	SMSMW11A	4500 S2 F-2011	T	0 mL	10.00 mL	10 mL	2.5 mL	250 mL	250 mL
680-99116-E-8	SMSMW07B	4500 S2 F-2011	T	0 mL	12.75 mL	12.75 mL	2.5 mL	250 mL	250 mL
680-99116-E-9	SMSSW10	4500 S2 F-2011	T	0 mL	9.75 mL	9.75 mL	2.5 mL	250 mL	250 mL
680-99116-E-10	SMSSW02	4500 S2 F-2011	T	0 mL	9.80 mL	9.8 mL	2.5 mL	250 mL	250 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	Final pH	SulfideCheck	CalcMsg	SulfideLCS 00335	
MB 680-318547/1		4500 S2 F-2011		7 SU	<2 SU	N	OK		
LCS 680-318547/2		4500 S2 F-2011		>9 SU	<2 SU	N	OK	240 uL	
LCSD 680-318547/3		4500 S2 F-2011		>9 SU	<2 SU	N	OK	240 uL	
680-99116-E-1	SMSMW11B	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99116-D-1 DU	SMSMW11B	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 318547 Batch Start Date: 03/06/14 15:18 Batch Analyst: Orr, Ashley J

Batch Method: 4500 S2 F-2011 Batch End Date: 03/06/14 16:18

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	Final pH	SulfideCheck	CalcMsg	SulfideLCS 00335	
680-99116-E-2	SMSMW13A	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99116-E-3	SMSMW12B	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99116-E-4	SMSMW07A	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99116-D-5	SMSMW13B	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99116-D-6	SMSSW20	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99116-D-7	SMSMW11A	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99116-E-8	SMSMW07B	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99116-E-9	SMSSW10	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99116-E-10	SMSSW02	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 318547 Batch Start Date: 03/06/14 15:18 Batch Analyst: Orr, Ashley J

Batch Method: 4500 S2 F-2011 Batch End Date: 03/06/14 16:18

Batch Notes	
First End time	03/06/14 16:18
Lot # of hydrochloric acid	3396327
Iodine Lot Number	3402248
Iodine Vendor	Ricca
Normality of Iodine Solution	0.099769325 N
Lead Acetate Paper Lot #	3375790
Sodium Thiosulfate Lot Number	3435654
Sodium Thiosulfate Vendor	Ricca
Nominal Amount Used	250 mL
pH Strip Lot #	3376411
Pipette ID	GE2
Perform Calculation (0=No, 1=Yes)	1
Starch Lot Number	3143480
Starch Vendor	Fisher
First Start time	03/06/14 15:18
Normality of first Titrant	0.02523676 N
Titrant Standardization Date	03.06.14

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 319601 Batch Start Date: 03/13/14 13:53 Batch Analyst: McDonald, Debbie A

Batch Method: 2320B-2011 Batch End Date: 03/13/14 17:49

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	7.0pHICVBuff 00015	AlkalinityLCS 00026			
MB 680-319601/1		2320B-2011		InitialAmount is blank					
LCS 680-319601/2		2320B-2011		InitialAmount is blank		30 mL			
CCV 680-319601/11		2320B-2011		InitialAmount is blank	30 mL				
680-99116-A-1	SMSMW11B	2320B-2011	T	InitialAmount is blank					
680-99116-A-2	SMSMW13A	2320B-2011	T	InitialAmount is blank					
680-99116-A-3	SMSMW12B	2320B-2011	T	InitialAmount is blank					
680-99116-A-4	SMSMW07A	2320B-2011	T	InitialAmount is blank					
680-99116-A-5	SMSMW13B	2320B-2011	T	InitialAmount is blank					
680-99116-A-5 DU	SMSMW13B	2320B-2011	T	InitialAmount is blank					
CCV 680-319601/22		2320B-2011		InitialAmount is blank	30 mL				
680-99116-A-6	SMSSW20	2320B-2011	T	InitialAmount is blank					
680-99116-A-7	SMSMW11A	2320B-2011	T	InitialAmount is blank					
680-99116-A-8	SMSMW07B	2320B-2011	T	InitialAmount is blank					
680-99116-A-9	SMSSW10	2320B-2011	T	InitialAmount is blank					
CCV 680-319601/27		2320B-2011		InitialAmount is blank	30 mL				
LCSD 680-319601/28		2320B-2011		InitialAmount is blank		30 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 319601 Batch Start Date: 03/13/14 13:53 Batch Analyst: McDonald, Debbie A

Batch Method: 2320B-2011 Batch End Date: 03/13/14 17:49

Batch Notes	
Batch Comment	0313A
pH Buffer 1 ID	3335848
pH Buffer 2 ID	3435976
pH Buffer 3 ID	3417904
pH Buffer 4 ID	3263608
First End time	1749
Sulfuric Acid Lot Number	HC311143
Sulfuric Acid Vendor	EMD
Nominal Amount Used	30 mL
Probe ID	PC Titrate
First Start time	1353
Normality of first Titrant	0.020 N

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 319740 Batch Start Date: 03/14/14 12:29 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2320B-2011 Batch End Date: 03/14/14 16:22

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	7.0 PH BUF 00136	AlkalinityLCS 00026			
MB 680-319740/5		2320B-2011		InitialAmount is blank					
LCS 680-319740/6		2320B-2011		InitialAmount is blank		25 mL			
680-99116-A-10	SMSSW02	2320B-2011	T	InitialAmount is blank					
680-99116-A-11	SMSSW08	2320B-2011	T	InitialAmount is blank					
680-99116-A-12	SMSSW08 SPRING	2320B-2011	T	InitialAmount is blank					
680-99116-A-13	SMSSW04	2320B-2011	T	InitialAmount is blank					
680-99116-A-14	SMSSW12	2320B-2011	T	InitialAmount is blank					
CCV 680-319740/26		2320B-2011		InitialAmount is blank	25 mL				
CCV 680-319740/31		2320B-2011		InitialAmount is blank	25 mL				
LCSD 680-319740/32		2320B-2011		InitialAmount is blank		25 mL			

Batch Notes	
pH Buffer 1 ID	3435979
pH Buffer 2 ID	3417903
pH Buffer 3 ID	3335847
First End time	16:22
Sulfuric Acid Lot Number	JT Baker
Sulfuric Acid Vendor	0000042171
Nominal Amount Used	25 mL
Pipette ID	PC Titrate
Probe ID	PC Titrate
First Start time	12:29
Normality of first Titrant	0.02 N

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 319740 Batch Start Date: 03/14/14 12:29 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2320B-2011 Batch End Date: 03/14/14 16:22

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 319027 Batch Start Date: 03/11/14 07:18 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2540C-2011 Batch End Date: 03/12/14 12:27

Lab Sample ID	Client Sample ID	Method Chain	Basis	Conductivity	CrucibleID	InitialAmount	TareWeight	Weight1	Weight2
MB 680-319027/1		2540C-2011			I	100 mL	95.3581 g	95.3585 g	95.3582 g
LCS 680-319027/2		2540C-2011			II	100 mL	85.9118 g	85.9251 g	85.9249 g
LCSD 680-319027/3		2540C-2011			III	100 mL	97.0240 g	97.0358 g	97.0359 g
680-99116-A-6	SMSSW20	2540C-2011	T	302 umhos/cm	IV	50 mL	74.8068 g	74.8177 g	74.8178 g
680-99116-A-6 DU	SMSSW20	2540C-2011	T	302 umhos/cm	V	50 mL	73.0496 g	73.0607 g	73.0607 g
680-99116-A-12	SMSSW08 SPRING	2540C-2011	T	1676 umhos/cm	VI	50 mL	77.7635 g	77.8139 g	77.8140 g
680-99116-A-1	SMSMW11B	2540C-2011	T	7440 umhos/cm	VII	5 mL	76.4426 g	76.4773 g	76.4772 g
680-99116-A-10	SMSSW02	2540C-2011	T	873 umhos/cm	VIII	50 mL	69.3172 g	69.3438 g	69.3439 g
680-99116-A-4	SMSMW07A	2540C-2011	T	11690 umhos/cm	IX	1 mL	79.2062 g	79.2274 g	79.2275 g
680-99116-A-7	SMSMW11A	2540C-2011	T	6180 umhos/cm	X	5 mL	74.6698 g	74.6972 g	74.6970 g
680-99116-A-9	SMSSW10	2540C-2011	T	290 umhos/cm	XI	50 mL	68.2488 g	68.2600 g	68.2599 g
680-99116-A-5	SMSMW13B	2540C-2011	T	715 umhos/cm	XII	50 mL	78.9920 g	79.0151 g	79.0153 g
680-99116-A-8	SMSMW07B	2540C-2011	T	13220 umhos/cm	XIII	1 mL	76.0282 g	76.0734 g	76.0734 g
680-99116-A-13	SMSSW04	2540C-2011	T	835 umhos/cm	XIV	50 mL	71.4449 g	71.4820 g	71.4821 g
680-99116-A-11	SMSSW08	2540C-2011	T	912 umhos/cm	XV	50 mL	77.2459 g	77.2732 g	77.2732 g
680-99116-A-14	SMSSW12	2540C-2011	T	731 umhos/cm	XVI	50 mL	72.9417 g	72.9611 g	72.9610 g
680-99116-A-2	SMSMW13A	2540C-2011	T	1691 umhos/cm	XVII	50 mL	79.1218 g	79.1748 g	79.1750 g
680-99116-A-3	SMSMW12B	2540C-2011	T	2250 umhos/cm	XVIII	50 mL	78.2717 g	78.3669 g	78.3670 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	Weight3	WeightOne%Diff	Residue	Residue2	FinalAmount	TS/TDS LCS 00226
MB 680-319027/1		2540C-2011		0 g	PASS_D	0.00040 g	0.00010 g	100 mL	
LCS 680-319027/2		2540C-2011		0 g	PASS_D	0.01330 g	0.01310 g	100 mL	100 mL
LCSD 680-319027/3		2540C-2011		0 g	PASS_D	0.01180 g	0.01190 g	100 mL	100 mL
680-99116-A-6	SMSSW20	2540C-2011	T	0 g	PASS_D	0.01090 g	0.01100 g	100 mL	
680-99116-A-6 DU	SMSSW20	2540C-2011	T	0 g	PASS_D	0.01110 g	0.01110 g	100 mL	
680-99116-A-12	SMSSW08 SPRING	2540C-2011	T	0 g	PASS_D	0.05040 g	0.05050 g	100 mL	
680-99116-A-1	SMSMW11B	2540C-2011	T	0 g	PASS_D	0.03470 g	0.03460 g	100 mL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 319027 Batch Start Date: 03/11/14 07:18 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2540C-2011 Batch End Date: 03/12/14 12:27

Lab Sample ID	Client Sample ID	Method Chain	Basis	Weight3	WeightOne%Diff	Residue	Residue2	FinalAmount	TS/TDS LCS 00226
680-99116-A-10	SMSSW02	2540C-2011	T	0 g	PASS_D	0.02660 g	0.02670 g	100 mL	
680-99116-A-4	SMSMW07A	2540C-2011	T	0 g	PASS_D	0.02120 g	0.02130 g	100 mL	
680-99116-A-7	SMSMW11A	2540C-2011	T	0 g	PASS_D	0.02740 g	0.02720 g	100 mL	
680-99116-A-9	SMSSW10	2540C-2011	T	0 g	PASS_D	0.01120 g	0.01110 g	100 mL	
680-99116-A-5	SMSMW13B	2540C-2011	T	0 g	PASS_D	0.02310 g	0.02330 g	100 mL	
680-99116-A-8	SMSMW07B	2540C-2011	T	0 g	PASS_D	0.04520 g	0.04520 g	100 mL	
680-99116-A-13	SMSSW04	2540C-2011	T	0 g	PASS_D	0.03710 g	0.03720 g	100 mL	
680-99116-A-11	SMSSW08	2540C-2011	T	0 g	PASS_D	0.02730 g	0.02730 g	100 mL	
680-99116-A-14	SMSSW12	2540C-2011	T	0 g	PASS_D	0.01940 g	0.01930 g	100 mL	
680-99116-A-2	SMSMW13A	2540C-2011	T	0 g	PASS_D	0.05300 g	0.05320 g	100 mL	
680-99116-A-3	SMSMW12B	2540C-2011	T	0 g	PASS_D	0.09520 g	0.09530 g	100 mL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 319027 Batch Start Date: 03/11/14 07:18 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2540C-2011 Batch End Date: 03/12/14 12:27

Batch Notes	
Balance ID	13
Batch Comment	wt1 @180C start 7:38 3-12-14, end 8:38 3-12-14
Conductivity Meter ID	PC Titrate
Constant Weight (WT2) Date/Time in Oven	3-12-14 9:57
Constant Weight (WT2) Date/Time Out	3-12-14 10:57
Constant Weight (WT2) Temp In	180 Celsius
Constant Weight (WT2) Temp Out	180 Celsius
Uncorrected CW (Wt2) Temp In	180 Celsius
Uncorrected CW (Wt2) Temp Out	180 Celsius
Filter Paper Lot Number	1827-047
Date samples were placed in the oven	3-11-14
Oven Temp when samples are put in oven	104 Celsius
Nominal Amount Used	100 mL
Date samples were removed from oven	3-11-14
Oven Temp when samples removed from oven	180 Celsius
Oven ID	B
ID number of the thermometer	GEO1
Uncorrected In Temperature	104 Celsius
Uncorrected Out Temperature	180 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 318406 Batch Start Date: 03/05/14 08:48 Batch Analyst: Pulley, Christopher M

Batch Method: 5310 B-2011 Batch End Date: 03/05/14 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TOC LCS/ICV 00025			
ICV 680-318406/1		5310 B-2011		25 mL	25	25 mL			

Batch Notes	
Pipette ID	GE6
Sulfuric Acid Reagent ID Number	50% H2SO4_00001

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 319535 Batch Start Date: 03/12/14 16:47 Batch Analyst: Pulley, Christopher M

Batch Method: 5310 B-2011 Batch End Date: 03/13/14 15:03

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TOC LCS/ICV 00025	TOCCALSTD4 00066		
CCV 680-319535/37		5310 B-2011		25 mL	25 mL		25 mL		
MB 680-319535/38		5310 B-2011		25 mL	25 mL				
LCS 680-319535/44		5310 B-2011		25 mL	25 mL	25 mL			
CCV 680-319535/49		5310 B-2011		25 mL	25 mL		25 mL		
CCB 680-319535/50		5310 B-2011		25 mL	25 mL				
680-99116-I-1	SMSMW11B	5310 B-2011	T	25 mL	25 mL				
680-99116-I-1 DU	SMSMW11B	5310 B-2011	T	25 mL	25 mL				
680-99116-I-2	SMSMW13A	5310 B-2011	T	25 mL	25 mL				
680-99116-I-3	SMSMW12B	5310 B-2011	T	25 mL	25 mL				
680-99116-J-4	SMSMW07A	5310 B-2011	T	25 mL	25 mL				
680-99116-H-5	SMSMW13B	5310 B-2011	T	25 mL	25 mL				
680-99116-I-6	SMSSW20	5310 B-2011	T	25 mL	25 mL				
680-99116-H-7	SMSMW11A	5310 B-2011	T	25 mL	25 mL				
680-99116-I-8	SMSMW07B	5310 B-2011	T	25 mL	25 mL				
680-99116-J-9	SMSSW10	5310 B-2011	T	25 mL	25 mL				
CCV 680-319535/61		5310 B-2011		25 mL	25 mL		25 mL		
CCB 680-319535/62		5310 B-2011		25 mL	25 mL				
680-99116-J-10	SMSSW02	5310 B-2011	T	25 mL	25 mL				
680-99116-J-11	SMSSW08	5310 B-2011	T	25 mL	25 mL				
680-99116-H-12	SMSSW08 SPRING	5310 B-2011	T	25 mL	25 mL				
680-99116-J-13	SMSSW04	5310 B-2011	T	25 mL	25 mL				
680-99116-H-14	SMSSW12	5310 B-2011	T	25 mL	25 mL				
CCV 680-319535/73		5310 B-2011		25 mL	25 mL		25 mL		
CCB 680-319535/74		5310 B-2011		25 mL	25 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99116-1

SDG No.: 68099116-1

Batch Number: 319535 Batch Start Date: 03/12/14 16:47 Batch Analyst: Pulley, Christopher M

Batch Method: 5310 B-2011 Batch End Date: 03/13/14 15:03

Batch Notes	
Pipette ID	GE6
Sulfuric Acid Reagent ID Number	50% H2SO4_00001

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Serial Number 85012

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: Smokey Mtn Smelter	PROJECT NO.: 073-01-014	PROJECT LOCATION (STATE): TN	PAGE 1 OF 2
TAL (LAB) PROJECT MANAGER: Sheila Hoffman	P.O. NUMBER	CONTRACT NO.	STANDARD REPORT DELIVERY ✓
CLIENT (SITE) PM: Janice Austin	CLIENT PHONE: 404-443-2777	CLIENT FAX	DATE DUE: ~~14 days~~ EN
CLIENT NAME: J.M. Waller	CLIENT E-MAIL: janice.austin@jmwaller.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ○
CLIENT ADDRESS: 100 Hartsfield Centre Pkwy Suite 610, Atlanta GA 30354			DATE DUE:
COMPANY CONTRACTING THIS WORK (if applicable)			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE (COMPOSITE (C) OR GRAB (G) INDICATE): AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS / NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	Chloride/Sulfate/Fluoride (300.0)	Ammonia (350.1)	Alkalinity (2320 B)	Total Dissolved Solids (2540 C)	Sulfide (SM4500)	Total Organic Carbon (SM5310)	Ortho-Phosphate (365.1)	Chromium Hexavalent (7196A)			REMARKS
			None	H2SO4	None	None	NaOH	HCl	None	None			
3/4/14	1055	SMS MW 11B	1	1	1	1	2	3	1	1			24hr Hold Cr VI; 48hr Hold orthophosphate NO2/NO3
	1255	SMS MW 13A								1			
	1547	SMS MW 12B								1			
	0940	SMS MW 07A											
	1020	SMS MW 13B											
	0947	SMS SW 20											
	0922	SMS MW 11A											
	1152	SMS MW 07B											
	0916	SMS SW 10											
	1254	SMS SW 02											
	1359 ~~1255~~	SMS SW 08											
	1338	SMS SW 08 SPRING											

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	3/4/14	1630						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[signature]	3/4/14	1630						

LABORATORY USE

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.
[signature]	03/05/14	1015	YES ○ NO ○	

680-99116 Chain of Custody

.8/0.6/1.2/1.0°c

TAL8240-680 (1008)

Serial Number 85009

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)	PAGE	OF
Smokey Mtn Smelters	073-01-019	TN	2	2

TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Sheila Hoffman		

CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Janice Austin	404-443-2777	

CLIENT NAME	CLIENT E-MAIL
JM Waller	janice.austin@jmwaller.com

CLIENT ADDRESS: 100 Hartsfield Centre Pkwy, Suite 600 Atlanta GA 30354

COMPANY CONTRACTING THIS WORK (if applicable):

STANDARD REPORT DELIVERY ○

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	Chloride/Sulfate/Fluoride/NO2/NO3 (300)	Ammonia (350.1)	Alkalinity (2320B)	Total Dissolved Solids (2540c)	Sulfide (SM 4500)	Total Organic Carbon (SM 5310)	Ortho-Phosphate (365.1)	Cyanide (7196A)			REMARKS
3/4/14	1440	SMSSW04						1	1	1	1	2	3	1	1			
1539	1457	SMSSW12						1	1	1	1	2	3	1				
	~~1547~~	~~SMSMW12B~~																

NUMBER OF CONTAINERS SUBMITTED									
None	H2SO4 NaOH	None	None	ZnAc NaOH	H2SO4	None	None		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	3/4/14	1630						

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	3/4/14	1630						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	03-05-14	1015	YES ○ NO ○		99116	0.8/0.6/1.2/1.0 °C

TAL8240-680 (1008)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-99116-1
TestAmerica Sample Delivery Group: 68099116-1
Client Project/Site: Smokey Mountain Smelter

For:
J.M. Waller Associates, Inc.
100 Hartsfield Centre Parkway, Ste 610
Atlanta, Georgia 30354

Attn: Linda Nyland

Authorized for release by:
3/21/2014 5:21:01 PM

Sheila Hoffman, Project Manager II
(912)354-7858 e.3004
sheila.hoffman@testamericainc.com

LINKS

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

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

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

Definitions/Glossary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Qualifiers

HPLC/IC

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.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
H	Sample was prepped or analyzed beyond the specified holding time

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
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)

Method Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	TAL SAV
2320B-2011	Alkalinity, Total	SM	TAL SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	TAL SAV
350.1	Nitrogen, Ammonia	MCAWW	TAL SAV
365.1	Phosphorus, Ortho	EPA	TAL SAV
4500 S2 F-2011	Sulfide, Total	SM	TAL SAV
5310 B-2011	Organic Carbon, Total (TOC)	SM	TAL SAV
7196A	Chromium, Hexavalent	SW846	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

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

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-99116-1	SMSMW11B	Water	03/04/14 10:55	03/05/14 10:15
680-99116-2	SMSMW13A	Water	03/04/14 12:55	03/05/14 10:15
680-99116-3	SMSMW12B	Water	03/04/14 15:47	03/05/14 10:15
680-99116-4	SMSMW07A	Water	03/04/14 09:40	03/05/14 10:15
680-99116-5	SMSMW13B	Water	03/04/14 10:20	03/05/14 10:15
680-99116-6	SMSSW20	Water	03/04/14 09:47	03/05/14 10:15
680-99116-7	SMSMW11A	Water	03/04/14 09:22	03/05/14 10:15
680-99116-8	SMSMW07B	Water	03/04/14 11:52	03/05/14 10:15
680-99116-9	SMSSW10	Water	03/04/14 09:16	03/05/14 10:15
680-99116-10	SMSSW02	Water	03/04/14 12:54	03/05/14 10:15
680-99116-11	SMSSW08	Water	03/04/14 13:50	03/05/14 10:15
680-99116-12	SMSSW08 SPRING	Water	03/04/14 13:38	03/05/14 10:15
680-99116-13	SMSSW04	Water	03/04/14 14:40	03/05/14 10:15
680-99116-14	SMSSW12	Water	03/04/14 15:30	03/05/14 10:15

Job ID: 680-99116-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: J.M. Waller Associates, Inc.

Project: Smokey Mountain Smelter

Report Number: 680-99116-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT
The samples were received on 03/05/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.8, 0.6, 1.2, 1.0 C.

HEXAVALENT CHROMIUM
Samples SMSMW11B (680-99116-1), SMSMW13A (680-99116-2) and SMSMW12B (680-99116-3) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The samples were analyzed on 03/05/2014. The following sample was received outside of holding time: SMSMW11B (680-99116-1).

No difficulties were encountered during the hexavalent chromium analysis.

All quality control parameters were within the acceptance limits.

ALKALINITY
Samples SMSMW11B (680-99116-1), SMSMW13A (680-99116-2), SMSMW12B (680-99116-3), SMSMW07A (680-99116-4), SMSMW13B (680-99116-5), SMSSW20 (680-99116-6), SMSMW11A (680-99116-7), SMSMW07B (680-99116-8), SMSSW10 (680-99116-9), SMSSW02 (680-99116-10), SMSSW08 (680-99116-11), SMSSW08 SPRING (680-99116-12), SMSSW04 (680-99116-13) and SMSSW12 (680-99116-14) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 03/13/2014 and 03/14/2014.

No difficulties were encountered during the alkalinity analysis.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS
Samples SMSMW11B (680-99116-1), SMSMW13A (680-99116-2), SMSMW12B (680-99116-3), SMSMW07A (680-99116-4), SMSMW13B (680-99116-5), SMSSW20 (680-99116-6), SMSMW11A (680-99116-7), SMSMW07B (680-99116-8), SMSSW10 (680-99116-9), SMSSW02 (680-99116-10), SMSSW08 (680-99116-11), SMSSW08 SPRING (680-99116-12), SMSSW04 (680-99116-13) and SMSSW12 (680-99116-14) were analyzed for total dissolved solids in accordance with SM 2540C. The samples were analyzed on 03/11/2014.

No difficulties were encountered during the TDS analysis.

All quality control parameters were within the acceptance limits.

ANIONS BY ION CHROMATOGRAPHY (28 DAY)
Samples SMSMW11B (680-99116-1), SMSMW13A (680-99116-2), SMSMW12B (680-99116-3), SMSMW07A (680-99116-4), SMSMW13B (680-99116-5), SMSSW20 (680-99116-6), SMSMW11A (680-99116-7), SMSMW07B (680-99116-8), SMSSW10 (680-99116-9), SMSSW02 (680-99116-10), SMSSW08 (680-99116-11), SMSSW08 SPRING (680-99116-12), SMSSW04 (680-99116-13) and SMSSW12

Job ID: 680-99116-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

(680-99116-14) were analyzed for Anions by Ion Chromatography (28 Day) in accordance with EPA Method 300.0. The samples were analyzed on 03/15/2014, 03/17/2014 and 03/18/2014.

Samples SMSMW11B (680-99116-1)[100X], SMSMW11B (680-99116-1)[25X], SMSMW11B (680-99116-1)[4X], SMSMW13A (680-99116-2)[10X], SMSMW13A (680-99116-2)[2X], SMSMW12B (680-99116-3)[2X], SMSMW12B (680-99116-3)[20X], SMSMW07A (680-99116-4)[10X], SMSMW07A (680-99116-4)[50X], SMSMW07A (680-99116-4)[500X], SMSMW13B (680-99116-5)[4X], SMSMW11A (680-99116-7)[10X], SMSMW11A (680-99116-7)[100X], SMSMW11A (680-99116-7)[25X], SMSMW07B (680-99116-8)[100X], SMSMW07B (680-99116-8)[2000X], SMSSW02 (680-99116-10)[2X], SMSSW02 (680-99116-10)[4X], SMSSW08 (680-99116-11)[5X], SMSSW08 SPRING (680-99116-12)[10X], SMSSW04 (680-99116-13)[10X] and SMSSW12 (680-99116-14)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the Anions analysis.

All quality control parameters were within the acceptance limits.

ANIONS BY ION CHROMATOGRAPHY (48 HOUR)

Samples SMSMW11B (680-99116-1), SMSMW13A (680-99116-2), SMSMW12B (680-99116-3), SMSMW07A (680-99116-4), SMSMW13B (680-99116-5), SMSSW20 (680-99116-6), SMSMW11A (680-99116-7), SMSMW07B (680-99116-8), SMSSW10 (680-99116-9), SMSSW02 (680-99116-10), SMSSW08 (680-99116-11), SMSSW08 SPRING (680-99116-12), SMSSW04 (680-99116-13) and SMSSW12 (680-99116-14) were analyzed for Anions by Ion Chromatography (48 Hour) in accordance with EPA Method 300.0. The samples were analyzed on 03/05/2014 and 03/06/2014.

Samples SMSMW11B (680-99116-1)[2X], SMSMW13A (680-99116-2)[2X], SMSMW13A (680-99116-2)[20X], SMSMW12B (680-99116-3)[4X], SMSMW12B (680-99116-3)[40X], SMSMW07A (680-99116-4)[4X], SMSSW20 (680-99116-6)[2X], SMSMW11A (680-99116-7)[4X], SMSMW07B (680-99116-8)[50X], SMSSW02 (680-99116-10)[2X], SMSSW08 SPRING (680-99116-12)[2X], SMSSW08 SPRING (680-99116-12)[4X] and SMSSW04 (680-99116-13)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the Anions analysis.

All quality control parameters were within the acceptance limits.

AMMONIA

Samples SMSMW11B (680-99116-1), SMSMW13A (680-99116-2), SMSMW12B (680-99116-3), SMSMW07A (680-99116-4), SMSMW13B (680-99116-5), SMSSW20 (680-99116-6), SMSMW11A (680-99116-7), SMSMW07B (680-99116-8), SMSSW10 (680-99116-9), SMSSW02 (680-99116-10), SMSSW08 (680-99116-11), SMSSW08 SPRING (680-99116-12), SMSSW04 (680-99116-13) and SMSSW12 (680-99116-14) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 03/12/2014, 03/14/2014 and 03/15/2014.

Ammonia failed the recovery criteria high for the MS/MSD of sample SMSSW08 SPRING (680-99116-12) in batch 680-319784.

Ammonia failed the recovery criteria high for the MSD of sample SMSMW13AMSD (680-99116-2) in batch 680-319360.

Refer to the QC report for details.

Samples SMSMW11B (680-99116-1)[100X], SMSMW07A (680-99116-4)[200X], SMSMW11A (680-99116-7)[50X], SMSMW07B (680-99116-8)[500X] and SMSSW02 (680-99116-10)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the ammonia analysis.

All other quality control parameters were within the acceptance limits.

ORTHOPHOSPHATE

Samples SMSMW11B (680-99116-1), SMSMW13A (680-99116-2), SMSMW12B (680-99116-3), SMSMW07A (680-99116-4), SMSMW13B

Job ID: 680-99116-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

(680-99116-5), SMSSW20 (680-99116-6), SMSMW11A (680-99116-7), SMSMW07B (680-99116-8), SMSSW10 (680-99116-9), SMSSW02 (680-99116-10), SMSSW08 (680-99116-11), SMSSW08 SPRING (680-99116-12), SMSSW04 (680-99116-13) and SMSSW12 (680-99116-14) were analyzed for orthophosphate in accordance with EPA Method 365.1. The samples were analyzed on 03/06/2014.

The following samples were analyzed outside of analytical holding time: SMSMW07A (680-99116-4), SMSMW11B (680-99116-1), SMSMW13A (680-99116-2), SMSMW13B (680-99116-5), SMSSW20 (680-99116-6).

Reanalysis of the following samples was performed outside of the analytical holding time due to QC failures in original batch : SMSMW07B (680-99116-8), SMSMW11A (680-99116-7), SMSSW02 (680-99116-10), SMSSW10 (680-99116-9).

No other difficulties were encountered during the orthophosphate analysis.

All other quality control parameters were within the acceptance limits.

SULFIDE

Samples SMSMW11B (680-99116-1), SMSMW13A (680-99116-2), SMSMW12B (680-99116-3), SMSMW07A (680-99116-4), SMSMW13B (680-99116-5), SMSSW20 (680-99116-6), SMSMW11A (680-99116-7), SMSMW07B (680-99116-8), SMSSW10 (680-99116-9), SMSSW02 (680-99116-10), SMSSW08 (680-99116-11), SMSSW08 SPRING (680-99116-12), SMSSW04 (680-99116-13) and SMSSW12 (680-99116-14) were analyzed for sulfide in accordance with SM 4500 S2 F. The samples were analyzed on 03/06/2014.

No difficulties were encountered during the sulfide analysis.

All quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON

Samples SMSMW11B (680-99116-1), SMSMW13A (680-99116-2), SMSMW12B (680-99116-3), SMSMW07A (680-99116-4), SMSMW13B (680-99116-5), SMSSW20 (680-99116-6), SMSMW11A (680-99116-7), SMSMW07B (680-99116-8), SMSSW10 (680-99116-9), SMSSW02 (680-99116-10), SMSSW08 (680-99116-11), SMSSW08 SPRING (680-99116-12), SMSSW04 (680-99116-13) and SMSSW12 (680-99116-14) were analyzed for total organic carbon in accordance with SM 5310B. The samples were analyzed on 03/13/2014.

No difficulties were encountered during the TOC analysis.

All quality control parameters were within the acceptance limits.

Client Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Client Sample ID: SMSMW11B

Lab Sample ID: 680-99116-1

Date Collected: 03/04/14 10:55
Matrix: Water
Date Received: 03/05/14 10:15

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	0.66		0.34	0.16	mg/L			03/05/14 23:17	2
Sulfate	150		2.0	1.0	mg/L			03/15/14 00:11	4
Fluoride	140		2.5	0.63	mg/L			03/17/14 13:15	25
Nitrate as NO3	4.8		0.44	0.22	mg/L			03/05/14 23:17	2
Chloride	4200		50	25	mg/L			03/17/14 09:13	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	140		5.0	2.6	mg/L			03/12/14 15:03	100
ortho-Phosphate	0.081	H	0.050	0.016	mg/L			03/06/14 14:26	1
Total Organic Carbon	21		1.0	0.50	mg/L			03/13/14 06:02	1
Chromium, hexavalent	0.0052	J H	0.010	0.0030	mg/L			03/05/14 13:36	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	1400		5.0	5.0	mg/L			03/13/14 13:53	1
Total Dissolved Solids	6900		100	100	mg/L			03/11/14 07:18	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 15:18	1

Client Sample ID: SMSMW13A

Lab Sample ID: 680-99116-2

Date Collected: 03/04/14 12:55
Matrix: Water
Date Received: 03/05/14 10:15

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.16		0.34	0.16	mg/L			03/06/14 05:58	2
Sulfate	260		5.0	2.5	mg/L			03/15/14 00:42	10
Fluoride	0.62		0.20	0.050	mg/L			03/15/14 00:26	2
Nitrate as NO3	49		4.4	2.2	mg/L			03/05/14 23:32	20
Chloride	420		5.0	2.5	mg/L			03/15/14 00:42	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.12		0.050	0.026	mg/L			03/12/14 13:56	1
ortho-Phosphate	<0.016	H	0.050	0.016	mg/L			03/06/14 14:26	1
Total Organic Carbon	0.97	J	1.0	0.50	mg/L			03/13/14 06:32	1
Chromium, hexavalent	<0.0030		0.010	0.0030	mg/L			03/05/14 13:36	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.5		5.0	5.0	mg/L			03/13/14 13:53	1
Total Dissolved Solids	1100		10	10	mg/L			03/11/14 07:18	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 15:18	1

Client Sample ID: SMSMW12B

Lab Sample ID: 680-99116-3

Date Collected: 03/04/14 15:47
Matrix: Water
Date Received: 03/05/14 10:15

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.33		0.68	0.33	mg/L			03/06/14 06:13	4
Sulfate	230		10	5.0	mg/L			03/15/14 01:12	20
Fluoride	0.081	J	0.20	0.050	mg/L			03/17/14 13:30	2
Nitrate as NO3	93		8.8	4.4	mg/L			03/05/14 23:48	40

Client Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Client Sample ID: SMSMW12B

Lab Sample ID: 680-99116-3
Date Collected: 03/04/14 15:47
Matrix: Water
Date Received: 03/05/14 10:15

Method: 300.0 - Anions, Ion Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	500		10	5.0	mg/L			03/15/14 01:12	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.28		0.050	0.026	mg/L			03/12/14 14:05	1
ortho-Phosphate	<0.016		0.050	0.016	mg/L			03/06/14 14:26	1
Total Organic Carbon	0.69	J	1.0	0.50	mg/L			03/13/14 06:48	1
Chromium, hexavalent	<0.0030		0.010	0.0030	mg/L			03/05/14 13:36	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	370		5.0	5.0	mg/L			03/13/14 13:53	1
Total Dissolved Solids	1900		10	10	mg/L			03/11/14 07:18	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 15:18	1

Client Sample ID: SMSMW07A

Lab Sample ID: 680-99116-4
Date Collected: 03/04/14 09:40
Matrix: Water
Date Received: 03/05/14 10:15

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			03/06/14 00:03	1
Sulfate	1100		25	13	mg/L			03/17/14 09:43	50
Fluoride	9.5		1.0	0.25	mg/L			03/15/14 03:15	10
Nitrate as NO3	16		0.22	0.11	mg/L			03/06/14 00:03	1
Chloride	17000		250	130	mg/L			03/17/14 09:59	500

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as NO3	15	H	0.88	0.44	mg/L			03/06/14 11:07	4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	270		10	5.2	mg/L			03/12/14 14:59	200
ortho-Phosphate	0.024	J H	0.050	0.016	mg/L			03/06/14 14:30	1
Total Organic Carbon	24		1.0	0.50	mg/L			03/13/14 07:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	1300		5.0	5.0	mg/L			03/13/14 13:53	1
Total Dissolved Solids	21000		500	500	mg/L			03/11/14 07:18	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 15:18	1

Client Sample ID: SMSMW13B

Lab Sample ID: 680-99116-5
Date Collected: 03/04/14 10:20
Matrix: Water
Date Received: 03/05/14 10:15

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			03/06/14 00:19	1
Sulfate	82		2.0	1.0	mg/L			03/17/14 10:45	4
Fluoride	0.65		0.10	0.025	mg/L			03/15/14 03:30	1
Nitrate as NO3	6.7		0.22	0.11	mg/L			03/06/14 00:19	1
Chloride	23		0.50	0.25	mg/L			03/17/14 09:46	1

Client Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Client Sample ID: SMSMW13B

Lab Sample ID: 680-99116-5
Date Collected: 03/04/14 10:20
Matrix: Water
Date Received: 03/05/14 10:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.51		0.050	0.026	mg/L			03/12/14 13:56	1
ortho-Phosphate	<0.016	H	0.050	0.016	mg/L			03/06/14 14:30	1
Total Organic Carbon	<0.50		1.0	0.50	mg/L			03/13/14 07:19	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	290		5.0	5.0	mg/L			03/13/14 13:53	1
Total Dissolved Solids	470		10	10	mg/L			03/11/14 07:18	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 15:18	1

Client Sample ID: SMSSW20

Lab Sample ID: 680-99116-6
Date Collected: 03/04/14 09:47
Matrix: Water
Date Received: 03/05/14 10:15

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.16		0.34	0.16	mg/L			03/06/14 02:06	2
Sulfate	10		0.50	0.25	mg/L			03/15/14 03:46	1
Fluoride	0.24		0.10	0.025	mg/L			03/15/14 03:46	1
Nitrate as NO3	2.3		0.44	0.22	mg/L			03/06/14 02:06	2
Chloride	22		0.50	0.25	mg/L			03/17/14 10:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10		0.050	0.026	mg/L			03/12/14 14:05	1
ortho-Phosphate	0.019	J H	0.050	0.016	mg/L			03/06/14 14:30	1
Total Organic Carbon	3.0		1.0	0.50	mg/L			03/13/14 07:37	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	110		5.0	5.0	mg/L			03/13/14 13:53	1
Total Dissolved Solids	220		10	10	mg/L			03/11/14 07:18	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 15:18	1

Client Sample ID: SMSMW11A

Lab Sample ID: 680-99116-7
Date Collected: 03/04/14 09:22
Matrix: Water
Date Received: 03/05/14 10:15

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	1.1		0.68	0.33	mg/L			03/06/14 02:22	4
Sulfate	110		5.0	2.5	mg/L			03/17/14 11:00	10
Fluoride	140		2.5	0.63	mg/L			03/17/14 13:44	25
Nitrate as NO3	33		0.88	0.44	mg/L			03/06/14 02:22	4
Chloride	2200		50	25	mg/L			03/17/14 12:01	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	87		2.5	1.3	mg/L			03/12/14 14:24	50
ortho-Phosphate	1.2	H	0.050	0.016	mg/L			03/06/14 14:30	1
Total Organic Carbon	15		1.0	0.50	mg/L			03/13/14 07:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	1000		5.0	5.0	mg/L			03/13/14 13:53	1
Total Dissolved Solids	5400		100	100	mg/L			03/11/14 07:18	1

Client Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Client Sample ID: SMSMW11A — Lab Sample ID: 680-99116-7

Date Collected: 03/04/14 09:22 — **Matrix: Water**
Date Received: 03/05/14 10:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 15:18	1

Client Sample ID: SMSMW07B — Lab Sample ID: 680-99116-8

Date Collected: 03/04/14 11:52 — **Matrix: Water**
Date Received: 03/05/14 10:15

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<4.1		8.5	4.1	mg/L			03/06/14 11:23	50
Sulfate	**1100**		50	25	mg/L			03/15/14 04:47	100
Fluoride	<2.5		10	2.5	mg/L			03/15/14 04:47	100
Nitrate as NO3	**15**		11	5.5	mg/L			03/06/14 11:23	50
Chloride	**40000**		1000	500	mg/L			03/18/14 13:34	2000

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**670**		25	13	mg/L			03/12/14 14:59	500
ortho-Phosphate	<0.016	H	0.050	0.016	mg/L			03/06/14 14:30	1
Total Organic Carbon	**29**		1.0	0.50	mg/L			03/13/14 08:08	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**1100**		5.0	5.0	mg/L			03/13/14 13:53	1
Total Dissolved Solids	**45000**		500	500	mg/L			03/11/14 07:18	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 15:18	1

Client Sample ID: SMSSW10 — Lab Sample ID: 680-99116-9

Date Collected: 03/04/14 09:16 — **Matrix: Water**
Date Received: 03/05/14 10:15

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			03/06/14 03:24	1
Sulfate	**8.5**		0.50	0.25	mg/L			03/17/14 13:58	1
Fluoride	**0.058**	**J**	0.10	0.025	mg/L			03/17/14 13:58	1
Nitrate as NO3	**2.2**		0.22	0.11	mg/L			03/06/14 03:24	1
Chloride	**5.5**		0.50	0.25	mg/L			03/17/14 13:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.20**		0.050	0.026	mg/L			03/12/14 14:59	1
ortho-Phosphate	<0.016	H	0.050	0.016	mg/L			03/06/14 14:30	1
Total Organic Carbon	**1.2**		1.0	0.50	mg/L			03/13/14 08:26	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**140**		5.0	5.0	mg/L			03/13/14 13:53	1
Total Dissolved Solids	**220**		10	10	mg/L			03/11/14 07:18	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 15:18	1

Client Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Client Sample ID: SMSSW02

Lab Sample ID: 680-99116-10
Date Collected: 03/04/14 12:54
Matrix: Water
Date Received: 03/05/14 10:15

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	0.22	J	0.34	0.16	mg/L			03/06/14 03:39	2
Sulfate	20		1.0	0.50	mg/L			03/17/14 12:32	2
Fluoride	16		0.40	0.10	mg/L			03/17/14 15:25	4
Nitrate as NO3	2.7		0.44	0.22	mg/L			03/06/14 03:39	2
Chloride	200		2.0	1.0	mg/L			03/17/14 15:25	4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	4.0		0.25	0.13	mg/L			03/15/14 11:09	5
ortho-Phosphate	1.8	H	0.050	0.016	mg/L			03/06/14 14:30	1
Total Organic Carbon	7.1		1.0	0.50	mg/L			03/13/14 09:23	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	190		5.0	5.0	mg/L			03/14/14 13:13	1
Total Dissolved Solids	530		10	10	mg/L			03/11/14 07:18	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 15:18	1

Client Sample ID: SMSSW08

Lab Sample ID: 680-99116-11
Date Collected: 03/04/14 13:50
Matrix: Water
Date Received: 03/05/14 10:15

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			03/06/14 03:54	1
Sulfate	24		0.50	0.25	mg/L			03/17/14 15:39	1
Fluoride	0.86		0.10	0.025	mg/L			03/17/14 15:39	1
Nitrate as NO3	7.0		0.22	0.11	mg/L			03/06/14 03:54	1
Chloride	170		2.5	1.3	mg/L			03/17/14 15:54	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.16		0.050	0.026	mg/L			03/14/14 18:06	1
ortho-Phosphate	0.017	J	0.050	0.016	mg/L			03/06/14 14:34	1
Total Organic Carbon	0.55	J	1.0	0.50	mg/L			03/13/14 09:37	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	170		5.0	5.0	mg/L			03/14/14 13:19	1
Total Dissolved Solids	550		10	10	mg/L			03/11/14 07:18	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 13:56	1

Client Sample ID: SMSSW08 SPRING

Lab Sample ID: 680-99116-12
Date Collected: 03/04/14 13:38
Matrix: Water
Date Received: 03/05/14 10:15

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	0.16	J	0.34	0.16	mg/L			03/06/14 04:10	2
Sulfate	38		0.50	0.25	mg/L			03/17/14 16:08	1
Fluoride	1.1		0.10	0.025	mg/L			03/17/14 16:08	1
Nitrate as NO3	17		0.88	0.44	mg/L			03/06/14 11:53	4
Chloride	410		5.0	2.5	mg/L			03/17/14 16:22	10

Client Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Client Sample ID: SMSSW08 SPRING

Lab Sample ID: 680-99116-12
Date Collected: 03/04/14 13:38
Matrix: Water
Date Received: 03/05/14 10:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.49		0.050	0.026	mg/L			03/14/14 18:06	1
ortho-Phosphate	<0.016		0.050	0.016	mg/L			03/06/14 14:34	1
Total Organic Carbon	<0.50		1.0	0.50	mg/L			03/13/14 09:54	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	290		5.0	5.0	mg/L			03/14/14 13:28	1
Total Dissolved Solids	1000		10	10	mg/L			03/11/14 07:18	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 13:56	1

Client Sample ID: SMSSW04

Lab Sample ID: 680-99116-13
Date Collected: 03/04/14 14:40
Matrix: Water
Date Received: 03/05/14 10:15

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.16		0.34	0.16	mg/L			03/06/14 04:25	2
Sulfate	28		0.50	0.25	mg/L			03/17/14 17:06	1
Fluoride	1.6		0.10	0.025	mg/L			03/17/14 17:06	1
Nitrate as NO3	7.3		0.44	0.22	mg/L			03/06/14 04:25	2
Chloride	170		5.0	2.5	mg/L			03/17/14 17:20	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.18		0.050	0.026	mg/L			03/14/14 18:16	1
ortho-Phosphate	0.026	J	0.050	0.016	mg/L			03/06/14 14:34	1
Total Organic Carbon	0.79	J	1.0	0.50	mg/L			03/13/14 10:10	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	120		5.0	5.0	mg/L			03/14/14 13:34	1
Total Dissolved Solids	740		10	10	mg/L			03/11/14 07:18	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 13:56	1

Client Sample ID: SMSSW12

Lab Sample ID: 680-99116-14
Date Collected: 03/04/14 15:30
Matrix: Water
Date Received: 03/05/14 10:15

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			03/06/14 12:40	1
Sulfate	23		0.50	0.25	mg/L			03/17/14 18:03	1
Fluoride	1.4		0.10	0.025	mg/L			03/17/14 18:03	1
Nitrate as NO3	8.1		0.22	0.11	mg/L			03/06/14 12:40	1
Chloride	150		2.5	1.3	mg/L			03/17/14 18:18	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.48		0.050	0.026	mg/L			03/15/14 10:52	1
ortho-Phosphate	0.021	J	0.050	0.016	mg/L			03/06/14 14:34	1
Total Organic Carbon	0.65	J	1.0	0.50	mg/L			03/13/14 10:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	95		5.0	5.0	mg/L			03/14/14 13:41	1
Total Dissolved Solids	390		10	10	mg/L			03/11/14 07:18	1

Client Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Client Sample ID: SMSSW12

Lab Sample ID: 680-99116-14

Date Collected: 03/04/14 15:30
Matrix: Water
Date Received: 03/05/14 10:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 13:56	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 680-318426/32 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318426

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			03/05/14 18:40	1
Nitrate as NO3	<0.11		0.22	0.11	mg/L			03/05/14 18:40	1

Lab Sample ID: LCS 680-318426/33 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318426

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as NO2	3.28	3.26		mg/L		99	90 - 110
Nitrate as NO3	4.42	4.25		mg/L		96	90 - 110

Lab Sample ID: LCSD 680-318426/34 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318426

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as NO2	3.28	3.26		mg/L		99	90 - 110	0	30
Nitrate as NO3	4.42	4.22		mg/L		95	90 - 110	1	30

Lab Sample ID: 680-99116-5 MS — **Client Sample ID: SMSMW13B**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318426

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as NO2	<0.082		3.28	3.17		mg/L		97	80 - 120
Nitrate as NO3	6.7		4.42	11.2		mg/L		101	80 - 120

Lab Sample ID: 680-99116-5 MSD — **Client Sample ID: SMSMW13B**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318426

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as NO2	<0.082		3.28	3.23		mg/L		98	80 - 120	2	30
Nitrate as NO3	6.7		4.42	11.3		mg/L		103	80 - 120	1	30

Lab Sample ID: MB 680-318427/58 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318427

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			03/06/14 01:20	1
Nitrate as NO3	<0.11		0.22	0.11	mg/L			03/06/14 01:20	1

Lab Sample ID: LCS 680-318427/59 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318427

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as NO2	3.28	3.23		mg/L		98	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 680-318427/59 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318427

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as NO3	4.42	4.21		mg/L		95	90 - 110

Lab Sample ID: LCSD 680-318427/60 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318427

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as NO2	3.28	3.24		mg/L		99	90 - 110	0	30
Nitrate as NO3	4.42	4.20		mg/L		95	90 - 110	0	30

Lab Sample ID: 680-99116-14 MS — **Client Sample ID: SMSSW12**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318427

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as NO2	<0.16		6.56	6.37		mg/L		97	80 - 120
Nitrate as NO3	7.5		8.84	16.5		mg/L		101	80 - 120

Lab Sample ID: 680-99116-14 MSD — **Client Sample ID: SMSSW12**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318427

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as NO2	<0.16		6.56	6.40		mg/L		98	80 - 120	0	30
Nitrate as NO3	7.5		8.84	16.6		mg/L		102	80 - 120	1	30

Lab Sample ID: MB 680-318480/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318480

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			03/06/14 10:06	1
Nitrate as NO3	<0.11		0.22	0.11	mg/L			03/06/14 10:06	1

Lab Sample ID: LCS 680-318480/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318480

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as NO2	3.28	3.26		mg/L		99	90 - 110
Nitrate as NO3	4.42	4.30		mg/L		97	90 - 110

Lab Sample ID: LCSD 680-318480/7 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318480

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as NO2	3.28	3.28		mg/L		100	90 - 110	1	30
Nitrate as NO3	4.42	4.32		mg/L		98	90 - 110	0	30

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 680-99116-12 MS — **Client Sample ID: SMSSW08 SPRING**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318480

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as NO2	<0.33		13.1	13.0		mg/L		99	80 - 120
Nitrate as NO3	17		17.7	35.7		mg/L		105	80 - 120

Lab Sample ID: 680-99116-12 MSD — **Client Sample ID: SMSSW08 SPRING**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318480

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as NO2	<0.33		13.1	12.7		mg/L		97	80 - 120	2	30
Nitrate as NO3	17		17.7	35.4		mg/L		103	80 - 120	1	30

Lab Sample ID: MB 680-319822/8 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.25		0.50	0.25	mg/L			03/14/14 19:35	1
Fluoride	<0.025		0.10	0.025	mg/L			03/14/14 19:35	1
Chloride	<0.25		0.50	0.25	mg/L			03/14/14 19:35	1

Lab Sample ID: LCS 680-319822/9 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	10.2		mg/L		102	90 - 110
Fluoride	2.00	2.10		mg/L		105	90 - 110
Chloride	10.0	9.93		mg/L		99	90 - 110

Lab Sample ID: LCSD 680-319822/10 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319822

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	10.0	10.2		mg/L		102	90 - 110	0	30
Fluoride	2.00	2.10		mg/L		105	90 - 110	0	30
Chloride	10.0	9.94		mg/L		99	90 - 110	0	30

Lab Sample ID: 680-99116-3 MS — **Client Sample ID: SMSMW12B**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	230		200	437		mg/L		105	80 - 120
Fluoride	<0.50		40.0	43.7		mg/L		109	80 - 120
Chloride	500		200	708		mg/L		104	80 - 120

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 680-99116-3 MSD — **Client Sample ID: SMSMW12B**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319822

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	230		200	440		mg/L		106	80 - 120	1	30
Fluoride	<0.50		40.0	43.9		mg/L		110	80 - 120	0	30
Chloride	500		200	709		mg/L		104	80 - 120	0	30

Lab Sample ID: MB 680-319823/34 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319823

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.25		0.50	0.25	mg/L			03/15/14 02:14	1
Fluoride	<0.025		0.10	0.025	mg/L			03/15/14 02:14	1

Lab Sample ID: LCS 680-319823/35 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319823

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	10.3		mg/L		103	90 - 110
Fluoride	2.00	2.10		mg/L		105	90 - 110

Lab Sample ID: LCSD 680-319823/36 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319823

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	10.0	10.2		mg/L		102	90 - 110	0	30
Fluoride	2.00	2.10		mg/L		105	90 - 110	0	30

Lab Sample ID: 680-99116-8 MS — **Client Sample ID: SMSMW07B**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319823

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	1100		1000	2170		mg/L		104	80 - 120
Fluoride	<2.5		200	215		mg/L		108	80 - 120

Lab Sample ID: 680-99116-8 MSD — **Client Sample ID: SMSMW07B**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319823

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	1100		1000	2180		mg/L		106	80 - 120	1	30
Fluoride	<2.5		200	215		mg/L		108	80 - 120	0	30

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 680-319854/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319854

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.25		0.50	0.25	mg/L			03/17/14 07:56	1
Chloride	<0.25		0.50	0.25	mg/L			03/17/14 07:56	1

Lab Sample ID: LCS 680-319854/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319854

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	10.1		mg/L		101	90 - 110
Chloride	10.0	9.98		mg/L		100	90 - 110

Lab Sample ID: LCSD 680-319854/4 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319854

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	10.0	10.1		mg/L		101	90 - 110	0	30
Chloride	10.0	9.98		mg/L		100	90 - 110	0	30

Lab Sample ID: 680-99116-4 DU — **Client Sample ID: SMSMW07A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319854

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate	1000		1030		mg/L		0.2	30
Chloride	17000		16500		mg/L		0.5	30

Lab Sample ID: MB 680-319868/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319868

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.25		0.50	0.25	mg/L			03/17/14 08:05	1
Fluoride	<0.025		0.10	0.025	mg/L			03/17/14 08:05	1
Chloride	<0.25		0.50	0.25	mg/L			03/17/14 08:05	1

Lab Sample ID: LCS 680-319868/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319868

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	10.3		mg/L		103	90 - 110
Fluoride	2.00	2.06		mg/L		103	90 - 110
Chloride	10.0	10.1		mg/L		101	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 680-319868/4 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319868

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	10.0	10.3		mg/L		103	90 - 110	0	30
Fluoride	2.00	2.06		mg/L		103	90 - 110	0	30
Chloride	10.0	10.0		mg/L		100	90 - 110	0	30

Lab Sample ID: MB 680-320074/28 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 320074

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.25		0.50	0.25	mg/L			03/17/14 14:27	1
Fluoride	<0.025		0.10	0.025	mg/L			03/17/14 14:27	1
Chloride	<0.25		0.50	0.25	mg/L			03/17/14 14:27	1

Lab Sample ID: LCS 680-320074/29 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 320074

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	10.2		mg/L		102	90 - 110
Fluoride	2.00	2.05		mg/L		103	90 - 110
Chloride	10.0	10.0		mg/L		100	90 - 110

Lab Sample ID: LCSD 680-320074/30 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 320074

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	10.0	10.2		mg/L		102	90 - 110	0	30
Fluoride	2.00	2.06		mg/L		103	90 - 110	1	30
Chloride	10.0	10.0		mg/L		100	90 - 110	0	30

Lab Sample ID: 680-99116-12 MS — **Client Sample ID: SMSSW08 SPRING**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 320074

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	37		100	139		mg/L		102	80 - 120
Fluoride	1.0		20.0	21.5		mg/L		103	80 - 120
Chloride	410		100	510	E 4	mg/L		97	80 - 120

Lab Sample ID: 680-99116-12 MSD — **Client Sample ID: SMSSW08 SPRING**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 320074

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	37		100	140		mg/L		103	80 - 120	1	30
Fluoride	1.0		20.0	21.7		mg/L		103	80 - 120	1	30
Chloride	410		100	511	E 4	mg/L		98	80 - 120	0	30

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 680-320146/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 320146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.25		0.50	0.25	mg/L			03/18/14 12:48	1

Lab Sample ID: LCS 680-320146/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 320146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	9.97		mg/L		100	90 - 110

Lab Sample ID: LCSD 680-320146/4 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 320146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.0	9.99		mg/L		100	90 - 110	0	30

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-319601/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319601

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<5.0		5.0	5.0	mg/L			03/13/14 13:53	1

Lab Sample ID: LCS 680-319601/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319601

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	250	260		mg/L		104	80 - 120

Lab Sample ID: LCSD 680-319601/28 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319601

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity	250	263		mg/L		105	80 - 120	1	30

Lab Sample ID: 680-99116-5 DU — **Client Sample ID: SMSMW13B**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319601

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	290		271		mg/L		7	30

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: MB 680-319740/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319740

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<5.0		5.0	5.0	mg/L			03/14/14 12:59	1

Lab Sample ID: LCS 680-319740/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319740

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	250	249		mg/L		100	80 - 120

Lab Sample ID: LCSD 680-319740/32 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319740

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity	250	261		mg/L		104	80 - 120	5	30

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-319027/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319027

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.0		5.0	5.0	mg/L			03/11/14 07:18	1

Lab Sample ID: LCS 680-319027/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319027

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	109	131		mg/L		120	80 - 120

Lab Sample ID: LCSD 680-319027/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319027

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids	109	119		mg/L		109	80 - 120	10	25

Lab Sample ID: 680-99116-6 DU — **Client Sample ID: SMSSW20**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319027

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	220		222		mg/L		0.9	25

QC Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 680-319360/9 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.026		0.050	0.026	mg/L			03/12/14 13:56	1

Lab Sample ID: LCS 680-319360/27 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319360

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			1.00	1.01		mg/L		101	90 - 110		

Lab Sample ID: 680-99116-2 MS — **Client Sample ID: SMSMW13A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319360

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia	0.12		1.00	1.22		mg/L		110	90 - 110		

Lab Sample ID: 680-99116-2 MSD — **Client Sample ID: SMSMW13A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319360

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.12		1.00	1.22	F1	mg/L		111	90 - 110	0	30

Lab Sample ID: 680-99116-5 DU — **Client Sample ID: SMSMW13B**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319360

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ammonia	0.51			0.508		mg/L				0.06	30

Lab Sample ID: MB 680-319784/12 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319784

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.026		0.050	0.026	mg/L			03/15/14 10:52	1

Lab Sample ID: LCS 680-319784/11 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319784

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			1.00	1.01		mg/L		101	90 - 110		

Lab Sample ID: 680-99116-12 MS — **Client Sample ID: SMSSW08 SPRING**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319784

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia	0.49		1.00	1.65	F1	mg/L		117	90 - 110		

Lab Sample ID: 680-99116-12 MSD — **Client Sample ID: SMSSW08 SPRING**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319784

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.49		1.00	1.65	F1	mg/L		116	90 - 110	0	30

Lab Sample ID: 680-99116-11 DU — **Client Sample ID: SMSSW08**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319784

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ammonia	0.16			0.142		mg/L				12	30

Method: 365.1 - Phosphorus, Ortho

Lab Sample ID: MB 680-318579/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318579

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ortho-Phosphate	<0.016		0.050	0.016	mg/L			03/06/14 14:23	1

Lab Sample ID: LCS 680-318579/1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318579

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
ortho-Phosphate			1.20	1.23		mg/L		102	90 - 110		

Lab Sample ID: MB 680-318580/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318580

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ortho-Phosphate	<0.016		0.050	0.016	mg/L			03/06/14 14:30	1

Lab Sample ID: LCS 680-318580/1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318580

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
ortho-Phosphate			1.20	1.23		mg/L		103	90 - 110		

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: MB 680-318525/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318525

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 13:56	1

Method: 4500 S2 F-2011 - Sulfide, Total (Continued)

Lab Sample ID: LCS 680-318525/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318525

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	10.0	10.1		mg/L		101	75 - 125

Lab Sample ID: LCSD 680-318525/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318525

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	10.0	9.50		mg/L		95	75 - 125	6	30

Lab Sample ID: MB 680-318547/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318547

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 15:18	1

Lab Sample ID: LCS 680-318547/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318547

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	10.0	9.83		mg/L		98	75 - 125

Lab Sample ID: LCSD 680-318547/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318547

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	10.0	9.83		mg/L		98	75 - 125	0	30

Lab Sample ID: 680-99116-1 DU — **Client Sample ID: SMSMW11B**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318547

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	<1.0		<1.0		mg/L		NC	30

Method: 5310 B-2011 - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-319535/38 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319535

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.50		1.0	0.50	mg/L			03/13/14 02:41	1

Method: 5310 B-2011 - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 680-319535/44 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319535

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon			20.0	17.0		mg/L		85	80 - 120		

Lab Sample ID: 680-99116-1 DU — **Client Sample ID: SMSMW11B**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319535

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	21			20.3		mg/L				0.9	25

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 680-318428/9 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.0030		0.010	0.0030	mg/L			03/05/14 13:37	1

Lab Sample ID: LCS 680-318428/10 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318428

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chromium, hexavalent			0.200	0.205		mg/L		102	85 - 115		

QC Association Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

HPLC/IC

Analysis Batch: 318426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-1	SMSMW11B	Total/NA	Water	300.0	
680-99116-2	SMSMW13A	Total/NA	Water	300.0	
680-99116-3	SMSMW12B	Total/NA	Water	300.0	
680-99116-4	SMSMW07A	Total/NA	Water	300.0	
680-99116-5	SMSMW13B	Total/NA	Water	300.0	
680-99116-5 MS	SMSMW13B	Total/NA	Water	300.0	
680-99116-5 MSD	SMSMW13B	Total/NA	Water	300.0	
LCS 680-318426/33	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-318426/34	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-318426/32	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 318427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-2	SMSMW13A	Total/NA	Water	300.0	
680-99116-3	SMSMW12B	Total/NA	Water	300.0	
680-99116-6	SMSSW20	Total/NA	Water	300.0	
680-99116-7	SMSMW11A	Total/NA	Water	300.0	
680-99116-9	SMSSW10	Total/NA	Water	300.0	
680-99116-10	SMSSW02	Total/NA	Water	300.0	
680-99116-11	SMSSW08	Total/NA	Water	300.0	
680-99116-12	SMSSW08 SPRING	Total/NA	Water	300.0	
680-99116-13	SMSSW04	Total/NA	Water	300.0	
680-99116-14 MS	SMSSW12	Total/NA	Water	300.0	
680-99116-14 MSD	SMSSW12	Total/NA	Water	300.0	
LCS 680-318427/59	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-318427/60	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-318427/58	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 318480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-4 - DL	SMSMW07A	Total/NA	Water	300.0	
680-99116-8	SMSMW07B	Total/NA	Water	300.0	
680-99116-12	SMSSW08 SPRING	Total/NA	Water	300.0	
680-99116-12 MS	SMSSW08 SPRING	Total/NA	Water	300.0	
680-99116-12 MSD	SMSSW08 SPRING	Total/NA	Water	300.0	
680-99116-14	SMSSW12	Total/NA	Water	300.0	
LCS 680-318480/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-318480/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-318480/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 319822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-1	SMSMW11B	Total/NA	Water	300.0	
680-99116-2	SMSMW13A	Total/NA	Water	300.0	
680-99116-2	SMSMW13A	Total/NA	Water	300.0	
680-99116-3	SMSMW12B	Total/NA	Water	300.0	
680-99116-3 MS	SMSMW12B	Total/NA	Water	300.0	
680-99116-3 MSD	SMSMW12B	Total/NA	Water	300.0	
LCS 680-319822/9	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-319822/10	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-319822/8	Method Blank	Total/NA	Water	300.0	

HPLC/IC (Continued)

Analysis Batch: 319823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-4	SMSMW07A	Total/NA	Water	300.0	
680-99116-5	SMSMW13B	Total/NA	Water	300.0	
680-99116-6	SMSSW20	Total/NA	Water	300.0	
680-99116-8	SMSMW07B	Total/NA	Water	300.0	
680-99116-8 MS	SMSMW07B	Total/NA	Water	300.0	
680-99116-8 MSD	SMSMW07B	Total/NA	Water	300.0	
LCS 680-319823/35	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-319823/36	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-319823/34	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 319854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-1	SMSMW11B	Total/NA	Water	300.0	
680-99116-4	SMSMW07A	Total/NA	Water	300.0	
680-99116-4	SMSMW07A	Total/NA	Water	300.0	
680-99116-4 DU	SMSMW07A	Total/NA	Water	300.0	
680-99116-5	SMSMW13B	Total/NA	Water	300.0	
680-99116-7	SMSMW11A	Total/NA	Water	300.0	
680-99116-7	SMSMW11A	Total/NA	Water	300.0	
680-99116-10	SMSSW02	Total/NA	Water	300.0	
LCS 680-319854/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-319854/4	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-319854/2	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 319868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-1	SMSMW11B	Total/NA	Water	300.0	
680-99116-3	SMSMW12B	Total/NA	Water	300.0	
680-99116-5	SMSMW13B	Total/NA	Water	300.0	
680-99116-6	SMSSW20	Total/NA	Water	300.0	
680-99116-7	SMSMW11A	Total/NA	Water	300.0	
680-99116-9	SMSSW10	Total/NA	Water	300.0	
LCS 680-319868/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-319868/4	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-319868/2	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 320074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-10	SMSSW02	Total/NA	Water	300.0	
680-99116-11	SMSSW08	Total/NA	Water	300.0	
680-99116-11	SMSSW08	Total/NA	Water	300.0	
680-99116-12	SMSSW08 SPRING	Total/NA	Water	300.0	
680-99116-12	SMSSW08 SPRING	Total/NA	Water	300.0	
680-99116-12 MS	SMSSW08 SPRING	Total/NA	Water	300.0	
680-99116-12 MSD	SMSSW08 SPRING	Total/NA	Water	300.0	
680-99116-13	SMSSW04	Total/NA	Water	300.0	
680-99116-13	SMSSW04	Total/NA	Water	300.0	
680-99116-14	SMSSW12	Total/NA	Water	300.0	
680-99116-14	SMSSW12	Total/NA	Water	300.0	
LCS 680-320074/29	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-320074/30	Lab Control Sample Dup	Total/NA	Water	300.0	

HPLC/IC (Continued)

Analysis Batch: 320074 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-320074/28	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 320146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-8	SMSMW07B	Total/NA	Water	300.0	
LCS 680-320146/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-320146/4	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-320146/2	Method Blank	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 318428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-1	SMSMW11B	Total/NA	Water	7196A	
680-99116-2	SMSMW13A	Total/NA	Water	7196A	
680-99116-3	SMSMW12B	Total/NA	Water	7196A	
LCS 680-318428/10	Lab Control Sample	Total/NA	Water	7196A	
MB 680-318428/9	Method Blank	Total/NA	Water	7196A	

Analysis Batch: 318525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-11	SMSSW08	Total/NA	Water	4500 S2 F-2011	
680-99116-12	SMSSW08 SPRING	Total/NA	Water	4500 S2 F-2011	
680-99116-13	SMSSW04	Total/NA	Water	4500 S2 F-2011	
680-99116-14	SMSSW12	Total/NA	Water	4500 S2 F-2011	
LCS 680-318525/2	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	
LCSD 680-318525/3	Lab Control Sample Dup	Total/NA	Water	4500 S2 F-2011	
MB 680-318525/1	Method Blank	Total/NA	Water	4500 S2 F-2011	

Analysis Batch: 318547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-1	SMSMW11B	Total/NA	Water	4500 S2 F-2011	
680-99116-1 DU	SMSMW11B	Total/NA	Water	4500 S2 F-2011	
680-99116-2	SMSMW13A	Total/NA	Water	4500 S2 F-2011	
680-99116-3	SMSMW12B	Total/NA	Water	4500 S2 F-2011	
680-99116-4	SMSMW07A	Total/NA	Water	4500 S2 F-2011	
680-99116-5	SMSMW13B	Total/NA	Water	4500 S2 F-2011	
680-99116-6	SMSSW20	Total/NA	Water	4500 S2 F-2011	
680-99116-7	SMSMW11A	Total/NA	Water	4500 S2 F-2011	
680-99116-8	SMSMW07B	Total/NA	Water	4500 S2 F-2011	
680-99116-9	SMSSW10	Total/NA	Water	4500 S2 F-2011	
680-99116-10	SMSSW02	Total/NA	Water	4500 S2 F-2011	
LCS 680-318547/2	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	
LCSD 680-318547/3	Lab Control Sample Dup	Total/NA	Water	4500 S2 F-2011	
MB 680-318547/1	Method Blank	Total/NA	Water	4500 S2 F-2011	

Analysis Batch: 318579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-1	SMSMW11B	Total/NA	Water	365.1	
680-99116-2	SMSMW13A	Total/NA	Water	365.1	

General Chemistry (Continued)

Analysis Batch: 318579 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-3	SMSMW12B	Total/NA	Water	365.1	
680-99116-4	SMSMW07A	Total/NA	Water	365.1	
680-99116-5	SMSMW13B	Total/NA	Water	365.1	
680-99116-6	SMSSW20	Total/NA	Water	365.1	
LCS 680-318579/1	Lab Control Sample	Total/NA	Water	365.1	
MB 680-318579/2	Method Blank	Total/NA	Water	365.1	

Analysis Batch: 318580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-7	SMSMW11A	Total/NA	Water	365.1	
680-99116-8	SMSMW07B	Total/NA	Water	365.1	
680-99116-9	SMSSW10	Total/NA	Water	365.1	
680-99116-10	SMSSW02	Total/NA	Water	365.1	
680-99116-11	SMSSW08	Total/NA	Water	365.1	
680-99116-12	SMSSW08 SPRING	Total/NA	Water	365.1	
680-99116-13	SMSSW04	Total/NA	Water	365.1	
680-99116-14	SMSSW12	Total/NA	Water	365.1	
LCS 680-318580/1	Lab Control Sample	Total/NA	Water	365.1	
MB 680-318580/2	Method Blank	Total/NA	Water	365.1	

Analysis Batch: 319027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-1	SMSMW11B	Total/NA	Water	2540C-2011	
680-99116-2	SMSMW13A	Total/NA	Water	2540C-2011	
680-99116-3	SMSMW12B	Total/NA	Water	2540C-2011	
680-99116-4	SMSMW07A	Total/NA	Water	2540C-2011	
680-99116-5	SMSMW13B	Total/NA	Water	2540C-2011	
680-99116-6	SMSSW20	Total/NA	Water	2540C-2011	
680-99116-6 DU	SMSSW20	Total/NA	Water	2540C-2011	
680-99116-7	SMSMW11A	Total/NA	Water	2540C-2011	
680-99116-8	SMSMW07B	Total/NA	Water	2540C-2011	
680-99116-9	SMSSW10	Total/NA	Water	2540C-2011	
680-99116-10	SMSSW02	Total/NA	Water	2540C-2011	
680-99116-11	SMSSW08	Total/NA	Water	2540C-2011	
680-99116-12	SMSSW08 SPRING	Total/NA	Water	2540C-2011	
680-99116-13	SMSSW04	Total/NA	Water	2540C-2011	
680-99116-14	SMSSW12	Total/NA	Water	2540C-2011	
LCS 680-319027/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-319027/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
MB 680-319027/1	Method Blank	Total/NA	Water	2540C-2011	

Analysis Batch: 319360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-1	SMSMW11B	Total/NA	Water	350.1	
680-99116-2	SMSMW13A	Total/NA	Water	350.1	
680-99116-2 MS	SMSMW13A	Total/NA	Water	350.1	
680-99116-2 MSD	SMSMW13A	Total/NA	Water	350.1	
680-99116-3	SMSMW12B	Total/NA	Water	350.1	
680-99116-4	SMSMW07A	Total/NA	Water	350.1	
680-99116-5	SMSMW13B	Total/NA	Water	350.1	
680-99116-5 DU	SMSMW13B	Total/NA	Water	350.1	

General Chemistry (Continued)

Analysis Batch: 319360 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-6	SMSSW20	Total/NA	Water	350.1	
680-99116-7	SMSMW11A	Total/NA	Water	350.1	
680-99116-8	SMSMW07B	Total/NA	Water	350.1	
680-99116-9	SMSSW10	Total/NA	Water	350.1	
LCS 680-319360/27	Lab Control Sample	Total/NA	Water	350.1	
MB 680-319360/9	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 319535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-1	SMSMW11B	Total/NA	Water	5310 B-2011	
680-99116-1 DU	SMSMW11B	Total/NA	Water	5310 B-2011	
680-99116-2	SMSMW13A	Total/NA	Water	5310 B-2011	
680-99116-3	SMSMW12B	Total/NA	Water	5310 B-2011	
680-99116-4	SMSMW07A	Total/NA	Water	5310 B-2011	
680-99116-5	SMSMW13B	Total/NA	Water	5310 B-2011	
680-99116-6	SMSSW20	Total/NA	Water	5310 B-2011	
680-99116-7	SMSMW11A	Total/NA	Water	5310 B-2011	
680-99116-8	SMSMW07B	Total/NA	Water	5310 B-2011	
680-99116-9	SMSSW10	Total/NA	Water	5310 B-2011	
680-99116-10	SMSSW02	Total/NA	Water	5310 B-2011	
680-99116-11	SMSSW08	Total/NA	Water	5310 B-2011	
680-99116-12	SMSSW08 SPRING	Total/NA	Water	5310 B-2011	
680-99116-13	SMSSW04	Total/NA	Water	5310 B-2011	
680-99116-14	SMSSW12	Total/NA	Water	5310 B-2011	
LCS 680-319535/44	Lab Control Sample	Total/NA	Water	5310 B-2011	
MB 680-319535/38	Method Blank	Total/NA	Water	5310 B-2011	

Analysis Batch: 319601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-1	SMSMW11B	Total/NA	Water	2320B-2011	
680-99116-2	SMSMW13A	Total/NA	Water	2320B-2011	
680-99116-3	SMSMW12B	Total/NA	Water	2320B-2011	
680-99116-4	SMSMW07A	Total/NA	Water	2320B-2011	
680-99116-5	SMSMW13B	Total/NA	Water	2320B-2011	
680-99116-5 DU	SMSMW13B	Total/NA	Water	2320B-2011	
680-99116-6	SMSSW20	Total/NA	Water	2320B-2011	
680-99116-7	SMSMW11A	Total/NA	Water	2320B-2011	
680-99116-8	SMSMW07B	Total/NA	Water	2320B-2011	
680-99116-9	SMSSW10	Total/NA	Water	2320B-2011	
LCS 680-319601/2	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-319601/28	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
MB 680-319601/1	Method Blank	Total/NA	Water	2320B-2011	

Analysis Batch: 319740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-10	SMSSW02	Total/NA	Water	2320B-2011	
680-99116-11	SMSSW08	Total/NA	Water	2320B-2011	
680-99116-12	SMSSW08 SPRING	Total/NA	Water	2320B-2011	
680-99116-13	SMSSW04	Total/NA	Water	2320B-2011	
680-99116-14	SMSSW12	Total/NA	Water	2320B-2011	
LCS 680-319740/6	Lab Control Sample	Total/NA	Water	2320B-2011	

General Chemistry (Continued)

Analysis Batch: 319740 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 680-319740/32	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
MB 680-319740/5	Method Blank	Total/NA	Water	2320B-2011	

Analysis Batch: 319784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99116-10	SMSSW02	Total/NA	Water	350.1	
680-99116-11	SMSSW08	Total/NA	Water	350.1	
680-99116-11 DU	SMSSW08	Total/NA	Water	350.1	
680-99116-12	SMSSW08 SPRING	Total/NA	Water	350.1	
680-99116-12 MS	SMSSW08 SPRING	Total/NA	Water	350.1	
680-99116-12 MSD	SMSSW08 SPRING	Total/NA	Water	350.1	
680-99116-13	SMSSW04	Total/NA	Water	350.1	
680-99116-14	SMSSW12	Total/NA	Water	350.1	
LCS 680-319784/11	Lab Control Sample	Total/NA	Water	350.1	
MB 680-319784/12	Method Blank	Total/NA	Water	350.1	

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Client Sample ID: SMSMW11B

Lab Sample ID: 680-99116-1

Date Collected: 03/04/14 10:55
Matrix: Water
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2	5 mL	5 mL	318426	03/05/14 23:17	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		4	1 mL	1 mL	319822	03/15/14 00:11	CMB	TAL SAV
	Instrument ID: CICK									
Total/NA	Analysis	300.0		100	1 mL	1 mL	319854	03/17/14 09:13	CMB	TAL SAV
	Instrument ID: CICK									
Total/NA	Analysis	300.0		25	5 mL	5 mL	319868	03/17/14 13:15	CMB	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			319601	03/13/14 13:53	DAM	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	5 mL	100 mL	319027	03/11/14 07:18	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		100	2 mL	2 mL	319360	03/12/14 15:03	JME	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Analysis	365.1		1	2 mL	2 mL	318579	03/06/14 14:26	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	318547	03/06/14 15:18	AJO	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	5310 B-2011		1	25 mL	25 mL	319535	03/13/14 06:02	CMP	TAL SAV
	Instrument ID: TOC3									
Total/NA	Analysis	7196A		1	2 mL	2 mL	318428	03/05/14 13:36	GRX	TAL SAV
	Instrument ID: KONELAB2									

Client Sample ID: SMSMW13A

Lab Sample ID: 680-99116-2

Date Collected: 03/04/14 12:55
Matrix: Water
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		20	5 mL	5 mL	318426	03/05/14 23:32	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		2	5 mL	5 mL	318427	03/06/14 05:58	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		2	1 mL	1 mL	319822	03/15/14 00:26	CMB	TAL SAV
	Instrument ID: CICK									
Total/NA	Analysis	300.0		10	1 mL	1 mL	319822	03/15/14 00:42	CMB	TAL SAV
	Instrument ID: CICK									
Total/NA	Analysis	2320B-2011		1			319601	03/13/14 13:53	DAM	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	319027	03/11/14 07:18	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		1	2 mL	2 mL	319360	03/12/14 13:56	JME	TAL SAV
	Instrument ID: KONELAB1									

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Client Sample ID: SMSMW13A — Lab Sample ID: 680-99116-2

Date Collected: 03/04/14 12:55 — **Matrix: Water**
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	365.1		1	2 mL	2 mL	318579	03/06/14 14:26	GRX	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	318547	03/06/14 15:18	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25 mL	319535	03/13/14 06:32	CMP	TAL SAV
	Instrument ID:	TOC3								
Total/NA	Analysis	7196A		1	2 mL	2 mL	318428	03/05/14 13:36	GRX	TAL SAV
	Instrument ID:	KONELAB2								

Client Sample ID: SMSMW12B — Lab Sample ID: 680-99116-3

Date Collected: 03/04/14 15:47 — **Matrix: Water**
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		40	5 mL	5 mL	318426	03/05/14 23:48	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		4	5 mL	5 mL	318427	03/06/14 06:13	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		20	1 mL	1 mL	319822	03/15/14 01:12	CMB	TAL SAV
	Instrument ID:	CICK								
Total/NA	Analysis	300.0		2	5 mL	5 mL	319868	03/17/14 13:30	CMB	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	2320B-2011		1			319601	03/13/14 13:53	DAM	TAL SAV
	Instrument ID:	MANTECH								
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	319027	03/11/14 07:18	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		1	2 mL	2 mL	319360	03/12/14 14:05	JME	TAL SAV
	Instrument ID:	KONELAB1								
Total/NA	Analysis	365.1		1	2 mL	2 mL	318579	03/06/14 14:26	GRX	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	318547	03/06/14 15:18	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25 mL	319535	03/13/14 06:48	CMP	TAL SAV
	Instrument ID:	TOC3								
Total/NA	Analysis	7196A		1	2 mL	2 mL	318428	03/05/14 13:36	GRX	TAL SAV
	Instrument ID:	KONELAB2								

Client Sample ID: SMSMW07A — Lab Sample ID: 680-99116-4

Date Collected: 03/04/14 09:40 — **Matrix: Water**
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	318426	03/06/14 00:03	VAS	TAL SAV

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Client Sample ID: SMSMW07A

Lab Sample ID: 680-99116-4

Date Collected: 03/04/14 09:40
Matrix: Water
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	318426	03/06/14 00:03	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0	DL	4	5 mL	5 mL	318480	03/06/14 11:07	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		10	1 mL	1 mL	319823	03/15/14 03:15	CMB	TAL SAV
	Instrument ID:	CICK								
Total/NA	Analysis	300.0		50	1 mL	1 mL	319854	03/17/14 09:43	CMB	TAL SAV
	Instrument ID:	CICK								
Total/NA	Analysis	300.0		500	1 mL	1 mL	319854	03/17/14 09:59	CMB	TAL SAV
	Instrument ID:	CICK								
Total/NA	Analysis	2320B-2011		1			319601	03/13/14 13:53	DAM	TAL SAV
	Instrument ID:	MANTECH								
Total/NA	Analysis	2540C-2011		1	1 mL	100 mL	319027	03/11/14 07:18	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		200	2 mL	2 mL	319360	03/12/14 14:59	JME	TAL SAV
	Instrument ID:	KONELAB1								
Total/NA	Analysis	365.1		1	2 mL	2 mL	318579	03/06/14 14:30	GRX	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	318547	03/06/14 15:18	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25 mL	319535	03/13/14 07:02	CMP	TAL SAV
	Instrument ID:	TOC3								

Client Sample ID: SMSMW13B

Lab Sample ID: 680-99116-5

Date Collected: 03/04/14 10:20
Matrix: Water
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	318426	03/06/14 00:19	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		1	1 mL	1 mL	319823	03/15/14 03:30	CMB	TAL SAV
	Instrument ID:	CICK								
Total/NA	Analysis	300.0		4	1 mL	1 mL	319854	03/17/14 10:45	CMB	TAL SAV
	Instrument ID:	CICK								
Total/NA	Analysis	300.0		1	5 mL	5 mL	319868	03/17/14 09:46	CMB	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	2320B-2011		1			319601	03/13/14 13:53	DAM	TAL SAV
	Instrument ID:	MANTECH								
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	319027	03/11/14 07:18	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		1	2 mL	2 mL	319360	03/12/14 13:56	JME	TAL SAV
	Instrument ID:	KONELAB1								

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Client Sample ID: SMSMW13B — Lab Sample ID: 680-99116-5

Date Collected: 03/04/14 10:20 — **Matrix: Water**
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	365.1		1	2 mL	2 mL	318579	03/06/14 14:30	GRX	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	318547	03/06/14 15:18	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25 mL	319535	03/13/14 07:19	CMP	TAL SAV
	Instrument ID:	TOC3								

Client Sample ID: SMSSW20 — Lab Sample ID: 680-99116-6

Date Collected: 03/04/14 09:47 — **Matrix: Water**
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2	5 mL	5 mL	318427	03/06/14 02:06	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		1	1 mL	1 mL	319823	03/15/14 03:46	CMB	TAL SAV
	Instrument ID:	CICK								
Total/NA	Analysis	300.0		1	5 mL	5 mL	319868	03/17/14 10:00	CMB	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	2320B-2011		1			319601	03/13/14 13:53	DAM	TAL SAV
	Instrument ID:	MANTECH								
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	319027	03/11/14 07:18	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		1	2 mL	2 mL	319360	03/12/14 14:05	JME	TAL SAV
	Instrument ID:	KONELAB1								
Total/NA	Analysis	365.1		1	2 mL	2 mL	318579	03/06/14 14:30	GRX	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	318547	03/06/14 15:18	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25 mL	319535	03/13/14 07:37	CMP	TAL SAV
	Instrument ID:	TOC3								

Client Sample ID: SMSMW11A — Lab Sample ID: 680-99116-7

Date Collected: 03/04/14 09:22 — **Matrix: Water**
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		4	5 mL	5 mL	318427	03/06/14 02:22	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		10	1 mL	1 mL	319854	03/17/14 11:00	CMB	TAL SAV
	Instrument ID:	CICK								
Total/NA	Analysis	300.0		100	1 mL	1 mL	319854	03/17/14 12:01	CMB	TAL SAV
	Instrument ID:	CICK								

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Client Sample ID: SMSMW11A

Lab Sample ID: 680-99116-7

Date Collected: 03/04/14 09:22
Matrix: Water
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		25	5 mL	5 mL	319868	03/17/14 13:44	CMB	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	2320B-2011		1			319601	03/13/14 13:53	DAM	TAL SAV
	Instrument ID:	MANTECH								
Total/NA	Analysis	2540C-2011		1	5 mL	100 mL	319027	03/11/14 07:18	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		50	2 mL	2 mL	319360	03/12/14 14:24	JME	TAL SAV
	Instrument ID:	KONELAB1								
Total/NA	Analysis	365.1		1	2 mL	2 mL	318580	03/06/14 14:30	GRX	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	318547	03/06/14 15:18	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25 mL	319535	03/13/14 07:51	CMP	TAL SAV
	Instrument ID:	TOC3								

Client Sample ID: SMSMW07B

Lab Sample ID: 680-99116-8

Date Collected: 03/04/14 11:52
Matrix: Water
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50	5 mL	5 mL	318480	03/06/14 11:23	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		100	1 mL	1 mL	319823	03/15/14 04:47	CMB	TAL SAV
	Instrument ID:	CICK								
Total/NA	Analysis	300.0		2000	1 mL	1 mL	320146	03/18/14 13:34	CMB	TAL SAV
	Instrument ID:	CICK								
Total/NA	Analysis	2320B-2011		1			319601	03/13/14 13:53	DAM	TAL SAV
	Instrument ID:	MANTECH								
Total/NA	Analysis	2540C-2011		1	1 mL	100 mL	319027	03/11/14 07:18	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		500	2 mL	2 mL	319360	03/12/14 14:59	JME	TAL SAV
	Instrument ID:	KONELAB1								
Total/NA	Analysis	365.1		1	2 mL	2 mL	318580	03/06/14 14:30	GRX	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	318547	03/06/14 15:18	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25 mL	319535	03/13/14 08:08	CMP	TAL SAV
	Instrument ID:	TOC3								

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Client Sample ID: SMSSW10

Lab Sample ID: 680-99116-9

Date Collected: 03/04/14 09:16
Matrix: Water
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	318427	03/06/14 03:24	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		1	5 mL	5 mL	319868	03/17/14 13:58	CMB	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	2320B-2011		1			319601	03/13/14 13:53	DAM	TAL SAV
	Instrument ID:	MANTECH								
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	319027	03/11/14 07:18	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		1	2 mL	2 mL	319360	03/12/14 14:59	JME	TAL SAV
	Instrument ID:	KONELAB1								
Total/NA	Analysis	365.1		1	2 mL	2 mL	318580	03/06/14 14:30	GRX	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	318547	03/06/14 15:18	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25 mL	319535	03/13/14 08:26	CMP	TAL SAV
	Instrument ID:	TOC3								

Client Sample ID: SMSSW02

Lab Sample ID: 680-99116-10

Date Collected: 03/04/14 12:54
Matrix: Water
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2	5 mL	5 mL	318427	03/06/14 03:39	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		2	1 mL	1 mL	319854	03/17/14 12:32	CMB	TAL SAV
	Instrument ID:	CICK								
Total/NA	Analysis	300.0		4	5 mL	5 mL	320074	03/17/14 15:25	CMB	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	2320B-2011		1			319740	03/14/14 13:13	LBH	TAL SAV
	Instrument ID:	MANTECH								
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	319027	03/11/14 07:18	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		5	2 mL	2 mL	319784	03/15/14 11:09	JME	TAL SAV
	Instrument ID:	KONELAB1								
Total/NA	Analysis	365.1		1	2 mL	2 mL	318580	03/06/14 14:30	GRX	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	318547	03/06/14 15:18	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25 mL	319535	03/13/14 09:23	CMP	TAL SAV
	Instrument ID:	TOC3								

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Client Sample ID: SMSSW08

Lab Sample ID: 680-99116-11

Date Collected: 03/04/14 13:50
Matrix: Water
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	318427	03/06/14 03:54	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		1	5 mL	5 mL	320074	03/17/14 15:39	CMB	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	300.0		5	5 mL	5 mL	320074	03/17/14 15:54	CMB	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	2320B-2011		1			319740	03/14/14 13:19	LBH	TAL SAV
	Instrument ID:	MANTECH								
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	319027	03/11/14 07:18	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		1	2 mL	2 mL	319784	03/14/14 18:06	JME	TAL SAV
	Instrument ID:	KONELAB1								
Total/NA	Analysis	365.1		1	2 mL	2 mL	318580	03/06/14 14:34	GRX	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	318525	03/06/14 13:56	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25 mL	319535	03/13/14 09:37	CMP	TAL SAV
	Instrument ID:	TOC3								

Client Sample ID: SMSSW08 SPRING

Lab Sample ID: 680-99116-12

Date Collected: 03/04/14 13:38
Matrix: Water
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2	5 mL	5 mL	318427	03/06/14 04:10	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		4	5 mL	5 mL	318480	03/06/14 11:53	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		1	5 mL	5 mL	320074	03/17/14 16:08	CMB	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	300.0		10	5 mL	5 mL	320074	03/17/14 16:22	CMB	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	2320B-2011		1			319740	03/14/14 13:28	LBH	TAL SAV
	Instrument ID:	MANTECH								
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	319027	03/11/14 07:18	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		1	2 mL	2 mL	319784	03/14/14 18:06	JME	TAL SAV
	Instrument ID:	KONELAB1								
Total/NA	Analysis	365.1		1	2 mL	2 mL	318580	03/06/14 14:34	GRX	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	318525	03/06/14 13:56	AJO	TAL SAV
	Instrument ID:	NOEQUIP								

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Client Sample ID: SMSSW08 SPRING — Lab Sample ID: 680-99116-12

Date Collected: 03/04/14 13:38 — **Matrix: Water**
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5310 B-2011		1	25 mL	25 mL	319535	03/13/14 09:54	CMP	TAL SAV
	Instrument ID: TOC3									

Client Sample ID: SMSSW04 — Lab Sample ID: 680-99116-13

Date Collected: 03/04/14 14:40 — **Matrix: Water**
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2	5 mL	5 mL	318427	03/06/14 04:25	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		1	5 mL	5 mL	320074	03/17/14 17:06	CMB	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		10	5 mL	5 mL	320074	03/17/14 17:20	CMB	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			319740	03/14/14 13:34	LBH	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	319027	03/11/14 07:18	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		1	2 mL	2 mL	319784	03/14/14 18:16	JME	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Analysis	365.1		1	2 mL	2 mL	318580	03/06/14 14:34	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	318525	03/06/14 13:56	AJO	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	5310 B-2011		1	25 mL	25 mL	319535	03/13/14 10:10	CMP	TAL SAV
	Instrument ID: TOC3									

Client Sample ID: SMSSW12 — Lab Sample ID: 680-99116-14

Date Collected: 03/04/14 15:30 — **Matrix: Water**
Date Received: 03/05/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	318480	03/06/14 12:40	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		1	5 mL	5 mL	320074	03/17/14 18:03	CMB	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		5	5 mL	5 mL	320074	03/17/14 18:18	CMB	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			319740	03/14/14 13:41	LBH	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	319027	03/11/14 07:18	LBH	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Client Sample ID: SMSSW12

Date Collected: 03/04/14 15:30
Date Received: 03/05/14 10:15

Lab Sample ID: 680-99116-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	2 mL	2 mL	319784	03/15/14 10:52	JME	TAL SAV
	Instrument ID:	KONELAB1								
Total/NA	Analysis	365.1		1	2 mL	2 mL	318580	03/06/14 14:34	GRX	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	318525	03/06/14 13:56	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25 mL	319535	03/13/14 10:24	CMP	TAL SAV
	Instrument ID:	TOC3								

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 85012

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: Smokey Mtn Smelter	PROJECT NO.: 073-01-019-	PROJECT LOCATION (STATE): TN	PAGE 1 OF 2
TAL (LAB) PROJECT MANAGER: Sheila Hoffman	P.O. NUMBER	CONTRACT NO.	STANDARD REPORT DELIVERY ✓
CLIENT (SITE) PM: Janice Austin	CLIENT PHONE: 404-443-2777	CLIENT FAX	DATE DUE: ~~14 days~~ EN
CLIENT NAME: J.M. Waller	CLIENT E-MAIL: janice.austin@jmwaller.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ○
CLIENT ADDRESS: 100 Hartsfield Centre Pkwy Suite 610, Atlanta GA 30354			DATE DUE:
COMPANY CONTRACTING THIS WORK (if applicable)			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE — COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS — NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	Chloride/Sulfate/Fluoride/NO2/NO3 (300.0)	Ammonia (350.1)	Alkalinity (2320B)	Total Dissolved Solids (2540C)	Sulfide (SM4500)	Total Organic Carbon (SM5310)	Orthophosphate (365.1)	Chromium Hexavalent (7196A)		
			None	H2SO4	PRESERVATIVE	None	NaOH	H2SO4	None	None		
3/4/14	1055	SMS MW 11B	1	1	1	1	2	3	1	1		
	1255	SMS MW 13A								1		
	1547	SMS MW 12B								1		
	0940	SMS MW 07A										
	1020	SMS MW 13B										
	0947	SMS SW 20										
	0922	SMS MW 11A										
	1152	SMS MW 07B										
	0916	SMS SW 10										
	1254	SMS SW 02										
	1350 ~~1255~~	SMS SW 08										
	1338	SMS SW 08 SPRING										

REMARKS: 24hr Hold Cr VI; 48hr Hold orthophosphate NO2/NO3

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	3/4/14	1630						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[signature]	3/4/14	1630						

LABORATORY USE

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.
[signature]	03/05/14	1015	YES ○ NO ○	

680-99116 Chain of Custody

.8/0.6/1.2/1.0°c

TAL8240-680 (1008)

Serial Number 85009

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)	PAGE	OF
Smokey Mtn Smelters	073-01-019	TN	2	2

TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Sheila Hoffman		

CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Janice AUSTIN	404-443-2777	

CLIENT NAME	CLIENT E-MAIL
JM Walker	janice.austin@jmwalker.com

CLIENT ADDRESS: 100 Hartsfield Centre Pkwy, Suite 400 Atlanta GA 30354

COMPANY CONTRACTING THIS WORK (if applicable):

STANDARD REPORT DELIVERY ◯

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ◯

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE (COMPOSITE (C) OR GRAB (G) INDICATE): AQUEOUS (WATER), SOLID OR SEMISOLID, AIR, NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS / NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	Chloride/Sulfate (300)	Fluoride/NO2/NO3	Ammonia (350.1)	Alkalinity (2320B)	Total Dissolved Solids (2540C)	Sulfide (SM 4500)	Total Organic Carbon (SM 5310C)	Ortho-Phosphate (365.1)	Chromium (7196A)	REMARKS
			NPW	H2SO4 NaOH	H2SO4	NaOH	NaOH	ZnAc NaOH	H2SO4	NaOH	HNO3	
3/4/14	1440	SMSSW04	1	1	1	1	2	3	1	1		
1539	~~1457~~	SMSSW12	1	1	1	1	2	3	1			
	~~1547~~	~~SMSMW12B~~										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	3/4/14	1630						

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	3/4/14	1630						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	03/05/14	1015	YES ◯ NO ◯		99116	0.8/0.6/1.2/1.0 °C

TAL8240-680 (1008)

Login Sample Receipt Checklist

Client: J.M. Waller Associates, Inc.

Job Number: 680-99116-1
SDG Number: 68099116-1

Login Number: 99116
List Number: 1
Creator: Banda, Christy S

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	-1 G container date/time mathches but ID is SMSSW02(bagged w/ all -1 containers
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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99116-1
SDG: 68099116-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Tennessee	State Program	4	TN02961	06-30-14

ANALYTICAL REPORT

Job Number: 680-99170-1

SDG Number: 68099170-1

Job Description: Smokey Mountain Smelter

For:
J.M. Waller Associates, Inc.
100 Hartsfield Centre Parkway, Ste 610
Atlanta, GA 30354

Attention: Linda Nyland

Approved for release.
Sheila B Hoffman
Project Manager II
5/13/2014 10:58 AM

Sheila B Hoffman, Project Manager II
5102 LaRoche Avenue, Savannah, GA, 31404
(912)354-7858 e.3004
sheila.hoffman@testamericainc.com
05/13/2014

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN: C-GA-02; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

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Client Chain of Custody 770

Client: J.M. Waller Associates, Inc.

Job Number: 680-99170-1
Sdg Number: 68099170-1

General Chemistry

Client Sample ID: **SMSMW08A**

Lab Sample ID: 680-99170-1
Client Matrix: Water

Date Sampled: 03/05/2014 0940
Date Received: 03/06/2014 0953

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	46		mg/L	0.52	1.0	20	350.1
Analysis Batch: 680-319784	Analysis Date: 03/15/2014 1109						
ortho-Phosphate	1.9		mg/L	0.032	0.10	2.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1540						
Total Organic Carbon	15		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319885	Analysis Date: 03/15/2014 0312						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	780		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319820	Analysis Date: 03/15/2014 1407						
Total Dissolved Solids	3100		mg/L	50	50	1.0	2540C-2011
Analysis Batch: 680-319350	Analysis Date: 03/12/2014 1436						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-318547	Analysis Date: 03/06/2014 1518						

Client: J.M. Waller Associates, Inc.

Job Number: 680-99170-1
Sdg Number: 68099170-1

General Chemistry

Client Sample ID: **SMSMW03B**

Lab Sample ID: 680-99170-2
Client Matrix: Water

Date Sampled: 03/05/2014 1045
Date Received: 03/06/2014 0953

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	170		mg/L	2.6	5.0	100	350.1
Analysis Batch: 680-319784	Analysis Date: 03/15/2014 1109						
ortho-Phosphate	<0.016		mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1423						
Total Organic Carbon	18		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319885	Analysis Date: 03/15/2014 0326						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	570		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319820	Analysis Date: 03/15/2014 1325						
Total Dissolved Solids	59000		mg/L	500	500	1.0	2540C-2011
Analysis Batch: 680-319350	Analysis Date: 03/12/2014 1436						
Sulfide	2.6		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-318547	Analysis Date: 03/06/2014 1518						

Client: J.M. Waller Associates, Inc.

Job Number: 680-99170-1
Sdg Number: 68099170-1

General Chemistry

Client Sample ID: **SMSMW02A**

Lab Sample ID: 680-99170-3
Client Matrix: Water

Date Sampled: 03/05/2014 1020
Date Received: 03/06/2014 0953

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	120		mg/L	2.6	5.0	100	350.1
Analysis Batch: 680-319784	Analysis Date: 03/15/2014 1109						
ortho-Phosphate	1.3		mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1423						
Total Organic Carbon	240		mg/L	2.5	5.0	5.0	5310 B-2011
Analysis Batch: 680-320062	Analysis Date: 03/17/2014 1759						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	960		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319820	Analysis Date: 03/15/2014 1428						
Total Dissolved Solids	4700		mg/L	100	100	1.0	2540C-2011
Analysis Batch: 680-319350	Analysis Date: 03/12/2014 1436						
Sulfide	5.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-319309	Analysis Date: 03/12/2014 1244						

Client: J.M. Waller Associates, Inc.

Job Number: 680-99170-1
Sdg Number: 68099170-1

General Chemistry

Client Sample ID: **SMSMW12A**

Lab Sample ID: 680-99170-4
Client Matrix: Water

Date Sampled: 03/05/2014 1145
Date Received: 03/06/2014 0953

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	1.1		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319784	Analysis Date: 03/15/2014 1052						
ortho-Phosphate	0.018	J	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1423						
Total Organic Carbon	2.0		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319885	Analysis Date: 03/15/2014 0359						
Chromium, hexavalent	0.0030	J H	mg/L	0.0030	0.010	1.0	7196A
Analysis Batch: 680-318578	Analysis Date: 03/06/2014 1339						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	390		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319820	Analysis Date: 03/15/2014 1333						
Total Dissolved Solids	1200		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-319350	Analysis Date: 03/12/2014 1436						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-319309	Analysis Date: 03/12/2014 1244						

General Chemistry

Client Sample ID: **SMSSW03**

Lab Sample ID: 680-99170-6
Client Matrix: Water

Date Sampled: 03/05/2014 1345
Date Received: 03/06/2014 0953

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.94		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319784	Analysis Date: 03/15/2014 1052						
ortho-Phosphate	0.018	J	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1423						
Total Organic Carbon	3.2		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319886	Analysis Date: 03/15/2014 0517						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	140		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319820	Analysis Date: 03/15/2014 1435						
Total Dissolved Solids	910		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-319350	Analysis Date: 03/12/2014 1436						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-319309	Analysis Date: 03/12/2014 1244						

General Chemistry

Client Sample ID: **SMSMW04A**

Lab Sample ID: 680-99170-7
Client Matrix: Water

Date Sampled: 03/05/2014 1344
Date Received: 03/06/2014 0953

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	100		mg/L	2.6	5.0	100	350.1
Analysis Batch: 680-319784	Analysis Date: 03/15/2014 1109						
ortho-Phosphate	0.022	J	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1423						
Total Organic Carbon	3.6		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319886	Analysis Date: 03/15/2014 0603						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	320		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319820	Analysis Date: 03/15/2014 1416						
Total Dissolved Solids	18000		mg/L	500	500	1.0	2540C-2011
Analysis Batch: 680-319350	Analysis Date: 03/12/2014 1436						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-319309	Analysis Date: 03/12/2014 1244						

Client: J.M. Waller Associates, Inc.

Job Number: 680-99170-1
Sdg Number: 68099170-1

General Chemistry

Client Sample ID: **SMSMW01A**

Lab Sample ID: 680-99170-8
Client Matrix: Water

Date Sampled: 03/05/2014 1435
Date Received: 03/06/2014 0953

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	200		mg/L	5.2	10	200	350.1
Analysis Batch: 680-319784	Analysis Date: 03/15/2014 1302						
ortho-Phosphate	0.020	J	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318580	Analysis Date: 03/06/2014 1430						
Total Organic Carbon	6.3		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319886	Analysis Date: 03/15/2014 0617						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	640		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319820	Analysis Date: 03/15/2014 1343						
Total Dissolved Solids	16000		mg/L	500	500	1.0	2540C-2011
Analysis Batch: 680-319350	Analysis Date: 03/12/2014 1436						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-319309	Analysis Date: 03/12/2014 1244						

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CERTIFICATE OF ANALYSIS

100mL P/N: 4400-10PPM127-100
250mL P/N: 4400-10PPM127-250
500mL P/N: 4400-10PPM127-500

Element: Chromium (Cr^{6+})
Concentration: 10 µg/mL ± 0.5%
Matrix: H_2O
Lot Number: 12J189
Expiration Date: 1/20/2015

Source: Potassium Dichromate
Source Purity: 99.998%
Source Lot: 11B240
Traceable to NIST SRM: 3112
Expiry from ship date: 18 months

Intended Use and Solution Preparation: This standard was manufactured for the intended use as a reference material for ICP, ICP-MS, FAA and similar instrumentation. It was prepared gravimetrically using high purity material source(s), sub-boiled distilled acid(s) and 18 megaohm de-ionized water. The material source(s) was weighed to five significant figures on a 0.1mg balance routinely calibrated by NIST traceable weights and diluted in Class A volumetric glassware which is calibrated routinely by NIST recommended procedures.
Traceability: The standard concentration was tested by ICP, ICP-MS and or gravimetrically directly against NIST traceable standards. If NIST standard was not available, 3rd party CRM was used.
Uncertainty: The tolerance range of 0.3% was based on an uncertainty budget using the combined uncertainties associated with gravimetrical preparation (NIST TN 1297; 1994 Edition; Type B evaluation). The value can be expressed as $Y = y \pm U$ where Y = certified concentration and U = the expanded uncertainty. $U = ku_c$ where k is the coverage factor at the 95% confidence level; $u_c = \sqrt{\Sigma u_i^2}$ where u_i = the sum of the individual element standard uncertainty components. The uncertainty in the measurement of the analyzed value used to certify the solution was also determined using NIST TN 1297; 1994 Edition, Type A and B evaluations.
Trace Impurities: The solution using the above source lot was scanned by ICP-MS at time of bottling. The data below is representative of the trace metals contained in the solution at a 1000 µg/mL concentration. Trace metal values are not certified values.

Li	0.1	P	ND	V	INT	Zn	1.6	Y	ND	Ag	0.1	Ba	ND	Gd	ND	Lu	ND	Pt	ND
Be	ND	Th	0.3	Cr	X	Ga	ND	Zr	ND	Cd	ND	La	ND	Tb	ND	Hf	ND	Au	ND
B	0.3	U	ND	Mn	ND	Ge	ND	Nb	ND	In	ND	Ce	ND	Dy	ND	Ta	ND	Hg	ND
Na	23.5	K	X	Fe	INT	As	ND	Mo	0.2	Sn	ND	Pr	ND	Ho	ND	W	ND	Tl	0.1
Mg	0.7	Ca	4.0	Co	ND	Se	1.7	Ru	ND	Sb	ND	Nd	ND	Er	ND	Re	ND	Pb	0.3
Al	0.6	Sc	ND	Ni	ND	Rb	ND	Rh	ND	Te	ND	Sm	ND	Tm	ND	Os	ND	Bi	0.1
Si	0.4	Ti	INT	Cu	0.1	Sr	0.1	Pd	ND	Cs	ND	Eu	ND	Yb	ND	Ir	ND		

Concentrations are in ppb. INT=Interference from X, Solution Element ND=None Detected X=Solution

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for **18 months** after the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not sample directly from bottle. Perform serial dilutions to achieve best results. See attached MSDS for proper handling information. MSDS collection is also available at www.cpiinternational.com. For questions or comments please call 1-800-878-7654.

ACLASS CALIBRATION
Certification Number: AC-1455

colitag™ MOD BLOCK Nu•Phase™ SPE Disks UB Accu•prep 7000™ Extraction Manifold PEAK PERFORMANCE™

CPI International — CHROMIUM +6 STANDARD
MATERIAL SAFETY DATA SHEET
NSN: N/A
Manufacturer's CAGE: N/A
Part No. Indicator: N/A
Part Number/Trade Name: 4400-1000127, S4400-1000127, 4400-1000127-500, 4400-10M127, S4400-10M127, 4400-100PPM127, 4400-1PPM127, ALL CHROMIUM +6 SINGLE ELEMENT DILUTIONS.

SECTION 1. GENERAL INFORMATION

Company's Name: CPI INTERNATIONAL
Company's Street: 5580 SKYLANE BLVD.
Company's City: SANTA ROSA
Company's State: CA
Company's Country: USA
Company's Zip Code: 95403
Company's Emergency Phone: (800) 451-8346 USA, (760) 602-8700 INT'L
Company's General Information Phone #: (707) 525-5788
Date MSDS Prepared: 24JAN98
Date MSDS Revised: 05MAR08
Date MSDS Reviewed: 11JUL13
Author's Company: CPI INTERNATIONAL
Authorized: CPI INTERNATIONAL
Hazard Characteristic Code: UNK

SECTION 2. INGREDIENTS/IDENTITY INFORMATION

Proprietary: NO
Ingredient: POTASSIUM DICHROMATE
Ingredient Sequence Number: 01
Percent: >0 - 1 (AS CHROMIUM +6)
NIOSH (RTECS) Number: MX7680000
CAS Number: 7778-50-9
OSHA PEL: 0.1 MG/M3 (CRO3)
ACGIH TLV: 0.1 MG/M3 (CR)
TSCA: YES

Proprietary: NO
Ingredient: WATER
Ingredient Sequence Number: 02
Percent: 99 - <100
NIOSH (RTECS) Number: ZC0110000
CAS Number: 7732-18-5
TSCA: YES

SECTION 3. PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance and Odor: CLEAR, COLORLESS TO ORANGE, ODORLESS LIQUID.
Solubility in Water: COMPLETE
Boiling Point: ~212 F
Specific Gravity: ~1

SECTION 4. FIRE EXPLOSION AND HAZARD DATA

Extinguishing Media: USE APPROPRIATE MEDIA FOR SURROUNDING FIRE.
Special Fire Fighting Procedure: WEAR PROPER PROTECTIVE EQUIPMENT AND SELFCONTAINED BREATHING APPARATUS WITH FULL FACE PIECE IN POSITIVE MODE.
Unusual Fire and Explosion Hazards: NONE.

SECTION 5. REACTIVITY DATA

Stability: YES
Materials to Avoid: REDUCING AGENTS, ORGANIC COMPOUNDS, SULFURIC ACID, HEAT.
Hazardous Poly Occur: NO
Hazardous Decomposition Products: THERMAL DECOMPOSITION OF POTASSIUM DICHROMATE MAY RELEASE TOXIC AND/OR HAZARDOUS GASES, CHROME OXIDES.

SECTION 6. HEALTH HAZARD DATA

Route of Entry-Inhalation: YES
Route of Entry-Skin: YES
Route of Entry-Ingestion: YES
Health Hazard Acute and Chronic: CAUTION: MAY CAUSES BURNS TO EVERY AREA OF CONTACT. HARMFUL IF SWALLLOWED OR INHALED. AFFECTS THE RESPIRATORY SYSTEM, LIVER, KIDNEYS, EYES, SKIN AND BLOOD. MAY CAUSE ALLERGIC REACTION. CANCER HAZARD. CAN CAUSE CANCER. RISK OF CANCER DEPENDS ON DURATION AND LEVEL OF EXPOSURE.
Carcinogenicity-NTP: YES
Carcinogenicity-IARC: YES
Carcinogenicity-OSHA: NO
Explanation Carcinogenicity: NTP 7TH ANNUAL REPORT ON CARCINOGENS, 1992 : KNOWN TO BE CARCINOGENIC.
Signs/Symptoms of Over Exposure: EYES/SKIN: REDNESS, PAIN, IRRITATION, BURNS. INHALATION: COUGHING, DIFFICULTY BREATHING, IRRITATION OF MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. INGESTION: BURNS OF THE MOUTH, THROAT AND STAOMACH. MAY CAUSE DIZZINESS, NAUSEA, VOMITING, INTENSE THIRST, LIVER DAMAGE. UNCONSCIOUSNESS.
Emergency First Aid Procedure: INGESTION: DON'T INDUCE VOMITING. IF CONSCIOUS, GIVE WATER, MILK OR MILK OF MAGNESIA. EYES/SKIN: FLUSH WITH PLENTY OF WATER. INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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CERTIFICATE OF ANALYSIS

100mL P/N: 4400-10PPM127-100
250mL P/N: 4400-10PPM127-250
500mL P/N: 4400-10PPM127-500

Element: Chromium (Cr^{6+})
Concentration: 10 µg/mL ± 0.5%
Matrix: H_2O
Lot Number: 12J189
Expiration Date: 1/20/2015

Source: Potassium Dichromate
Source Purity: 99.998%
Source Lot: 11B240
Traceable to NIST SRM: 3112
Expiry from ship date: 18 months

Intended Use and Solution Preparation: This standard was manufactured for the intended use as a reference material for ICP, ICP-MS, FAA and similar instrumentation. It was prepared gravimetrically using high purity material source(s), sub-boiled distilled acid(s) and 18 megaohm de-ionized water. The material source(s) was weighed to five significant figures on a 0.1mg balance routinely calibrated by NIST traceable weights and diluted in Class A volumetric glassware which is calibrated routinely by NIST recommended procedures.
Traceability: The standard concentration was tested by ICP, ICP-MS and or gravimetrically directly against NIST traceable standards. If NIST standard was not available, 3rd party CRM was used.
Uncertainty: The tolerance range of 0.3% was based on an uncertainty budget using the combined uncertainties associated with gravimetrical preparation (NIST TN 1297; 1994 Edition; Type B evaluation). The value can be expressed as $Y = y \pm U$ where Y = certified concentration and U = the expanded uncertainty. $U = ku_c$ where k is the coverage factor at the 95% confidence level; $u_c = \sqrt{\Sigma u_i^2}$ where u_i = the sum of the individual element standard uncertainty components. The uncertainty in the measurement of the analyzed value used to certify the solution was also determined using NIST TN 1297; 1994 Edition, Type A and B evaluations.
Trace Impurities: The solution using the above source lot was scanned by ICP-MS at time of bottling. The data below is representative of the trace metals contained in the solution at a 1000 µg/mL concentration. Trace metal values are not certified values.

Li	0.1	P	ND	V	INT	Zn	1.6	Y	ND	Ag	0.1	Ba	ND	Gd	ND	Lu	ND	Pt	ND
Be	ND	Th	0.3	Cr	X	Ga	ND	Zr	ND	Cd	ND	La	ND	Tb	ND	Hf	ND	Au	ND
B	0.3	U	ND	Mn	ND	Ge	ND	Nb	ND	In	ND	Ce	ND	Dy	ND	Ta	ND	Hg	ND
Na	23.5	K	X	Fe	INT	As	ND	Mo	0.2	Sn	ND	Pr	ND	Ho	ND	W	ND	Tl	0.1
Mg	0.7	Ca	4.0	Co	ND	Se	1.7	Ru	ND	Sb	ND	Nd	ND	Er	ND	Re	ND	Pb	0.3
Al	0.6	Sc	ND	Ni	ND	Rb	ND	Rh	ND	Te	ND	Sm	ND	Tm	ND	Os	ND	Bi	0.1
Si	0.4	Ti	INT	Cu	0.1	Sr	0.1	Pd	ND	Cs	ND	Eu	ND	Yb	ND	Ir	ND		

Concentrations are in ppb. INT=Interference from X, Solution Element ND=None Detected X=Solution

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for **18 months** after the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not sample directly from bottle. Perform serial dilutions to achieve best results. See attached MSDS for proper handling information. MSDS collection is also available at www.cpiinternational.com. For questions or comments please call 1-800-878-7654.

Certification Number: AC-1455

colitag MOD BLOCK Nu•Phase™ SPE Disks Accu•prep 7000™ Extraction Manifold PEAK PERFORMANCE

CPI International – CHROMIUM +6 STANDARD
MATERIAL SAFETY DATA SHEET
NSN: N/A
Manufacturer's CAGE: N/A
Part No. Indicator: N/A
Part Number/Trade Name: 4400-1000127, S4400-1000127, 4400-1000127-500, 4400-10M127, S4400-10M127, 4400-100PPM127, 4400-1PPM127, ALL CHROMIUM +6 SINGLE ELEMENT DILUTIONS.

SECTION 1. GENERAL INFORMATION

Company's Name: CPI INTERNATIONAL
Company's Street: 5580 SKYLANE BLVD.
Company's City: SANTA ROSA
Company's State: CA
Company's Country: USA
Company's Zip Code: 95403
Company's Emergency Phone: (800) 451-8346 USA, (760) 602-8700 INT'L
Company's General Information Phone #: (707) 525-5788
Date MSDS Prepared: 24JAN98
Date MSDS Revised: 05MAR08
Date MSDS Reviewed: 11JUL13
Author's Company: CPI INTERNATIONAL
Authorized: CPI INTERNATIONAL
Hazard Characteristic Code: UNK

SECTION 2. INGREDIENTS/IDENTITY INFORMATION

Proprietary: NO
Ingredient: POTASSIUM DICHROMATE
Ingredient Sequence Number: 01
Percent: >0 - 1 (AS CHROMIUM +6)
NIOSH (RTECS) Number: MX7680000
CAS Number: 7778-50-9
OSHA PEL: 0.1 MG/M3 (CRO3)
ACGIH TLV: 0.1 MG/M3 (CR)
TSCA: YES

Proprietary: NO
Ingredient: WATER
Ingredient Sequence Number: 02
Percent: 99 - <100
NIOSH (RTECS) Number: ZC0110000
CAS Number: 7732-18-5
TSCA: YES

SECTION 3. PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance and Odor: CLEAR, COLORLESS TO ORANGE, ODORLESS LIQUID.
Solubility in Water: COMPLETE
Boiling Point: ~212 F
Specific Gravity: ~1

SECTION 4. FIRE EXPLOSION AND HAZARD DATA

Extinguishing Media: USE APPROPRIATE MEDIA FOR SURROUNDING FIRE.
Special Fire Fighting Procedure: WEAR PROPER PROTECTIVE EQUIPMENT AND SELFCONTAINED BREATHING APPARATUS WITH FULL FACE PIECE IN POSITIVE MODE.
Unusual Fire and Explosion Hazards: NONE.

SECTION 5. REACTIVITY DATA

Stability: YES
Materials to Avoid: REDUCING AGENTS, ORGANIC COMPOUNDS, SULFURIC ACID, HEAT.
Hazardous Poly Occur: NO
Hazardous Decomposition Products: THERMAL DECOMPOSITION OF POTASSIUM DICHROMATE MAY RELEASE TOXIC AND/OR HAZARDOUS GASES, CHROME OXIDES.

SECTION 6. HEALTH HAZARD DATA

Route of Entry-Inhalation: YES
Route of Entry-Skin: YES
Route of Entry-Ingestion: YES
Health Hazard Acute and Chronic: CAUTION: MAY CAUSES BURNS TO EVERY AREA OF CONTACT. HARMFUL IF SWALLLOWED OR INHALED. AFFECTS THE RESPIRATORY SYSTEM, LIVER, KIDNEYS, EYES, SKIN AND BLOOD. MAY CAUSE ALLERGIC REACTION. CANCER HAZARD. CAN CAUSE CANCER. RISK OF CANCER DEPENDS ON DURATION AND LEVEL OF EXPOSURE.
Carcinogenicity-NTP: YES
Carcinogenicity-IARC: YES
Carcinogenicity-OSHA: NO
Explanation Carcinogenicity: NTP 7TH ANNUAL REPORT ON CARCINOGENS, 1992 : KNOWN TO BE CARCINOGENIC.
Signs/Symptoms of Over Exposure: EYES/SKIN: REDNESS, PAIN, IRRITATION, BURNS. INHALATION: COUGHING, DIFFICULTY BREATHING, IRRITATION OF MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. INGESTION: BURNS OF THE MOUTH, THROAT AND STAOMACH. MAY CAUSE DIZZINESS, NAUSEA, VOMITING, INTENSE THIRST, LIVER DAMAGE. UNCONSCIOUSNESS.
Emergency First Aid Procedure: INGESTION: DON'T INDUCE VOMITING. IF CONSCIOUS, GIVE WATER, MILK OR MILK OF MAGNESIA. EYES/SKIN: FLUSH WITH PLENTY OF WATER. INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. OBTAIN MEDICAL ATTENTION IN ALL CASES.

SECTION 7. PRECAUTIONS FOR SAFE HANDLING

Steps if material Released/Spilled: WEAR PROTECTIVE EQUIPMENT. STOP LEAK SAFELY. CLEAN UP WITH INERT MATERIAL AND PLACE IN A CONTAINER FOR DISPOSAL.
Precautions-Handling/Storing: KEEP CONTAINER TIGHTLY CLOSED. STORE IN CORROSION PROOF AREA. AVOID INHALATION OF VAPORS AND CONTACT WITH SKIN AND EYES.

SECTION 8. CONTROL MEASURES

Respiratory Protection: WEAR A NIOSH/MSHA APPROVED RESPIRATOR WHEN VENTILATION IS INADEQUATE.
Ventilation: LOCAL EXHAUST: REQUIRED, VENT HOOD
Protective Gloves: IMPERVIOUS GLOVES
Eye Protection: SAFETY GLASSES WITH SIDE SHIELDS
Other Protective Equipment: LAB COAT OR APRON
Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING AND SHOES BEFORE REUSE.

SECTION 9. TRANSPORTATION DATA

Domestic (D.O.T) Transportation Requirement: NOT REGULATED.
D.O.T Proper Shipping Name and UN Number: NOT REGULATED.

SECTION 10. DISPOSAL DATA

Waste Disposal: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 11. LABEL DATA

Label Required: YES
Label Status: G
Common Name: CHROMIUM +6 STANDARD
Chronic Hazard: NO
Signal Word: WARNING!
Acute Health Hazard-Moderate: X
Contact Hazard-Moderate: X
Fire Hazard-None: X
Special Hazard Precautions: SEE HEALTH HAZARDS.
Protect Eyes: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: CPI INTERNATIONAL
Label Street: 5580 SKYLANE BLVD.
Label City: SANTA ROSA
Label State: CA
Label Zip Code: 95403
Label Country: USA
Label Emergency Number: (800) 451-8346 USA, (760) 602-8700 INT'L

SECTION 12. ADDITIONAL INFORMATION

CPI International makes no warranties, guarantees or representations of any kind or nature with respect to the product or this data, either expressed or implied, and whether arising by law or otherwise, including but not limited to any implied warranty of personal injury, property or other damages of any nature whatsoever, whether special, indirect, consequential or compensatory, directly or indirectly result in from the publication, use or reliance upon this data.

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CPI INTERNATIONAL
www.cpiinternational.com

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1000 CS Amsterdam
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CERTIFICATE OF ANALYSIS

100mL P/N: 4400-10PPM127-100
250mL P/N: 4400-10PPM127-250
500mL P/N: 4400-10PPM127-500

Element: Chromium (Cr^{6+})
Concentration: 10 µg/mL ± 0.5%
Matrix: H_2O
Lot Number: 13J061
Expiration Date: 4/8/2015

Source: Potassium Dichromate
Source Purity: 99.998%
Source Lot: 113C150
Traceable to NIST SRM: 3112
Expiry from ship date: 18 months

Intended Use and Solution Preparation: This standard was manufactured for the intended use as a reference material for ICP, ICP-MS, FAA and similar instrumentation. It was prepared gravimetrically using high purity material source(s), sub-boiled distilled acid(s) and 18-megaohm de-ionized water. The material source(s) was weighed to five significant figures on a 0.1mg balance routinely calibrated by NIST traceable weights and diluted in Class A volumetric glassware which is calibrated routinely by NIST recommended procedures.
Traceability: The standard concentration was tested by ICP, ICP-MS and or gravimetrically directly against NIST traceable standards. If NIST standard was not available, 3rd party CRM was used.
Uncertainty: The tolerance range of 0.3% was based on an uncertainty budget using the combined uncertainties associated with gravimetrical preparation (NIST TN 1297; 1994 Edition; Type B evaluation). The value can be expressed as $Y = y \pm U$ where Y = certified concentration and U = the expanded uncertainty. $U = ku_c$ where k is the coverage factor at the 95% confidence level; $u_c = \sqrt{\Sigma u_i^2}$ where u_i = the sum of the individual element standard uncertainty components. The uncertainty in the measurement of the analyzed value used to certify the solution was also determined using NIST TN 1297; 1994 Edition, Type A and B evaluations.
Trace Impurities: The solution using the above source lot was scanned by ICP-MS at time of bottling. The data below is representative of the trace metals contained in the solution at a 1000 µg/mL concentration. Trace metal values are not certified values.

Li	0.1	P	ND	V	INT	Zn	1.6	Y	ND	Ag	0.1	Ba	ND	Gd	ND	Lu	ND	Pt	ND
Be	ND	Th	0.3	Cr	X	Ga	ND	Zr	ND	Cd	ND	La	ND	Tb	ND	Hf	ND	Au	ND
B	0.3	U	ND	Mn	ND	Ge	ND	Nb	ND	In	ND	Ce	ND	Dy	ND	Ta	ND	Hg	ND
Na	23.5	K	X	Fe	INT	As	ND	Mo	0.2	Sn	ND	Pr	ND	Ho	ND	W	ND	Tl	0.1
Mg	0.7	Ca	4.0	Co	ND	Se	1.7	Ru	ND	Sb	ND	Nd	ND	Er	ND	Re	ND	Pb	0.3
Al	0.6	Sc	ND	Ni	ND	Rb	ND	Rh	ND	Te	ND	Sm	ND	Tm	ND	Os	ND	Bi	0.1
Si	0.4	Ti	INT	Cu	0.1	Sr	0.1	Pd	ND	Cs	ND	Eu	ND	Yb	ND	Ir	ND		

Concentrations are in ppb. INT=Interference from X, Solution Element ND=None Detected X=Solution

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for **18 months** after the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not sample directly from bottle. Perform serial dilutions to achieve best results. See attached MSDS for proper handling information. MSDS collection is also available at www.cpiinternational.com. For questions or comments please call 1-800-878-7654.

ISO 9001:2008 REGISTERED
17025 ACCREDITED

colitag™ MOD BLOCK Nu•Phase™ SPE Disks UB Accu•prep 7000™ Extraction Manifold PEAK PERFORMANCE™

CPI International — CHROMIUM +6 STANDARD
MATERIAL SAFETY DATA SHEET
NSN: N/A
Manufacturer's CAGE: N/A
Part No. Indicator: N/A
Part Number/Trade Name: 4400-1000127, S4400-1000127, 4400-1000127-500, 4400-10M127, S4400-10M127, 4400-100PPM127, 4400-1PPM127, ALL CHROMIUM +6 SINGLE ELEMENT DILUTIONS.

SECTION 1. GENERAL INFORMATION

Company's Name: CPI INTERNATIONAL
Company's Street: 5580 SKYLANE BLVD.
Company's City: SANTA ROSA
Company's State: CA
Company's Country: USA
Company's Zip Code: 95403
Company's Emergency Phone: (800) 451-8346 USA, (760) 602-8700 INT'L
Company's General Information Phone #: (707) 525-5788
Date MSDS Prepared: 24JAN98
Date MSDS Revised: 05MAR08
Date MSDS Reviewed: 11JUL13
Author's Company: CPI INTERNATIONAL
Authorized: CPI INTERNATIONAL
Hazard Characteristic Code: UNK

SECTION 2. INGREDIENTS/IDENTITY INFORMATION

Proprietary: NO
Ingredient: POTASSIUM DICHROMATE
Ingredient Sequence Number: 01
Percent: >0 - 1 (AS CHROMIUM +6)
NIOSH (RTECS) Number: MX7680000
CAS Number: 7778-50-9
OSHA PEL: 0.1 MG/M3 (CRO3)
ACGIH TLV: 0.1 MG/M3 (CR)
TSCA: YES

Proprietary: NO
Ingredient: WATER
Ingredient Sequence Number: 02
Percent: 99 - <100
NIOSH (RTECS) Number: ZC0110000
CAS Number: 7732-18-5
TSCA: YES

SECTION 3. PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance and Odor: CLEAR, COLORLESS TO ORANGE, ODORLESS LIQUID.
Solubility in Water: COMPLETE
Boiling Point: ~212 F
Specific Gravity: ~1

SECTION 4. FIRE EXPLOSION AND HAZARD DATA

Extinguishing Media: USE APPROPRIATE MEDIA FOR SURROUNDING FIRE.
Special Fire Fighting Procedure: WEAR PROPER PROTECTIVE EQUIPMENT AND SELFCONTAINED BREATHING APPARATUS WITH FULL FACE PIECE IN POSITIVE MODE.
Unusual Fire and Explosion Hazards: NONE.

SECTION 5. REACTIVITY DATA

Stability: YES
Materials to Avoid: REDUCING AGENTS, ORGANIC COMPOUNDS, SULFURIC ACID, HEAT.
Hazardous Poly Occur: NO
Hazardous Decomposition Products: THERMAL DECOMPOSITION OF POTASSIUM DICHROMATE MAY RELEASE TOXIC AND/OR HAZARDOUS GASES, CHROME OXIDES.

SECTION 6. HEALTH HAZARD DATA

Route of Entry—Inhalation: YES
Route of Entry—Skin: YES
Route of Entry—Ingestion: YES
Health Hazard Acute and Chronic: CAUTION: MAY CAUSES BURNS TO EVERY AREA OF CONTACT. HARMFUL IF SWALLOWED OR INHALED. AFFECTS THE RESPIRATORY SYSTEM, LIVER, KIDNEYS, EYES, SKIN AND BLOOD. MAY CAUSE ALLERGIC REACTION. CANCER HAZARD. CAN CAUSE CANCER. RISK OF CANCER DEPENDS ON DURATION AND LEVEL OF EXPOSURE.
Carcinogenicity-NTP: YES
Carcinogenicity-IARC: YES
Carcinogenicity-OSHA: NO
Explanation Carcinogenicity: NTP 7TH ANNUAL REPORT ON CARCINOGENS, 1992 : KNOWN TO BE CARCINOGENIC.
Signs/Symptoms of Over Exposure: EYES/SKIN: REDNESS, PAIN, IRRITATION, BURNS. INHALATION: COUGHING, DIFFICULTY BREATHING, IRRITATION OF MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. INGESTION: BURNS OF THE MOUTH, THROAT AND STAOMACH. MAY CAUSE DIZZINESS, NAUSEA, VOMITING, INTENSE THIRST, LIVER DAMAGE. UNCONSCIOUSNESS.
Emergency First Aid Procedure: INGESTION: DON'T INDUCE VOMITING. IF CONSCIOUS, GIVE WATER, MILK OR MILK OF MAGNESIA. EYES/SKIN: FLUSH WITH PLENTY OF WATER. INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. OBTAIN MEDICAL ATTENTION IN ALL CASES.

SECTION 7. PRECAUTIONS FOR SAFE HANDLING

Steps if material Released/Spilled: WEAR PROTECTIVE EQUIPMENT. STOP LEAK SAFELY. CLEAN UP WITH INERT MATERIAL AND PLACE IN A CONTAINER FOR DISPOSAL.
Precautions-Handling/Storing: KEEP CONTAINER TIGHTLY CLOSED. STORE IN CORROSION PROOF AREA. AVOID INHALATION OF VAPORS AND CONTACT WITH SKIN AND EYES.

SECTION 8. CONTROL MEASURES

Respiratory Protection: WEAR A NIOSH/MSHA APPROVED RESPIRATOR WHEN VENTILATION IS INADEQUATE.
Ventilation: LOCAL EXHAUST: REQUIRED, VENT HOOD
Protective Gloves: IMPERVIOUS GLOVES
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D.O.T Proper Shipping Name and UN Number: NOT REGULATED.

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Waste Disposal: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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Label Required: YES
Label Status: G
Common Name: CHROMIUM +6 STANDARD
Chronic Hazard: NO
Signal Word: WARNING!
Acute Health Hazard-Moderate: X
Contact Hazard-Moderate: X
Fire Hazard-None: X
Special Hazard Precautions: SEE HEALTH HAZARDS.
Protect Eyes: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: CPI INTERNATIONAL
Label Street: 5580 SKYLANE BLVD.
Label City: SANTA ROSA
Label State: CA
Label Zip Code: 95403
Label Country: USA
Label Emergency Number: (800) 451-8346 USA, (760) 602-8700 INT'L

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Certificate of Analysis

Alfa Aesar®
A Johnson Matthey Company

Product No.: 36622

Product: Sodium sulfide nonahydrate, ACS, 98.0% min

Lot No.: B07Y012

Test	Limits	Results
Appearance		Colorless to slightly yellow crystals
Identification		Passes
Assay	98.0 % min	101.63 %
Iron	To pass test	Passes
Sulfite and thiosulfate	0.1 % max	0.02 %
Ammonium	0.005 % max	< 0.005 %

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300_ORGFM_28D

Anions, Ion Chromatography

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water Level: Low Lab File ID: 0312142220-47.d

Lab ID: LCS 680-319351/47 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Sulfate	10.0	10.2	102	90-110	
Fluoride	2.00	2.08	104	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water Level: Low Lab File ID: 0313142239-33.d

Lab ID: LCS 680-319563/33 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Sulfate	10.0	10.3	103	90-110	
Fluoride	2.00	2.09	105	90-110	
Chloride	10.0	10.1	101	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water Level: Low Lab File ID: 0314141209-6.d

Lab ID: LCS 680-319653/6 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Sulfate	10.0	10.3	103	90-110	
Fluoride	2.00	2.07	103	90-110	
Chloride	10.0	9.92	99	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water Level: Low Lab File ID: 0314142131-45.d

Lab ID: LCS 680-319688/45 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Chloride	10.0	10.0	100	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water Level: Low Lab File ID: 0312142235-48.d

Lab ID: LCSD 680-319351/48 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	10.0	10.1	101	1	30	90-110	
Fluoride	2.00	2.06	103	1	30	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water Level: Low Lab File ID: 0313142253-34.d

Lab ID: LCSD 680-319563/34 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	10.0	10.1	101	1	30	90-110	
Fluoride	2.00	2.05	103	2	30	90-110	
Chloride	10.0	9.95	99	1	30	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water Level: Low Lab File ID: 0314141223-7.d

Lab ID: LCSD 680-319653/7 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	10.0	10.5	105	1	30	90-110	
Fluoride	2.00	2.12	106	3	30	90-110	
Chloride	10.0	10.1	101	1	30	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water Level: Low Lab File ID: 0314142145-46.d

Lab ID: LCSD 680-319688/46 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloride	10.0	9.99	100	0	30	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water Level: Low Lab File ID: 0312142303-50.d

Lab ID: 680-99170-1 MS Client ID: SMSMW08A MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Sulfate	10.0	76	85.6	94	80-120	E 4

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water Level: Low Lab File ID: 0312142318-51.d

Lab ID: 680-99170-1 MSD Client ID: SMSMW08A MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	10.0	85.6	94	0	30	80-120	E 4

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab File ID: 0312142206-46.d Lab Sample ID: MB 680-319351/46

Matrix: Water Date Extracted:

Instrument ID: CICL Date Analyzed: 03/12/2014 22:06

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-319351/47	0312142220-47.d	03/12/2014 22:20
	LCSD 680-319351/48	0312142235-48.d	03/12/2014 22:35
SMSMW08A MS	680-99170-1 MS	0312142303-50.d	03/12/2014 23:03
SMSMW08A MSD	680-99170-1 MSD	0312142318-51.d	03/12/2014 23:18
SMSMW12A	680-99170-4	0313140001-54.d	03/13/2014 00:01
SMSSW03	680-99170-6	0313140016-55.d	03/13/2014 00:16
	CCB 680-319351/59	0313140113-59.d	03/13/2014 01:13

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab File ID: 0313142225-32.d Lab Sample ID: MB 680-319563/32

Matrix: Water Date Extracted:

Instrument ID: CICL Date Analyzed: 03/13/2014 22:25

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-319563/33	0313142239-33.d	03/13/2014 22:39
	LCSD 680-319563/34	0313142253-34.d	03/13/2014 22:53
SMSMW08A	680-99170-1	0313142351-38.d	03/13/2014 23:51
SMSMW08A	680-99170-1	0314140034-41.d	03/14/2014 00:34
SMSMW03B	680-99170-2	0314140103-43.d	03/14/2014 01:03
	CCB 680-319563/46	0314140146-46.d	03/14/2014 01:46
SMSMW02A	680-99170-3	0314140244-50.d	03/14/2014 02:44
SMSMW02A	680-99170-3	0314140327-53.d	03/14/2014 03:27
SMSMW12A	680-99170-4	0314140356-55.d	03/14/2014 03:56
	CCB 680-319563/58	0314140439-58.d	03/14/2014 04:39

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab File ID: 0314141155-5.d Lab Sample ID: MB 680-319653/5

Matrix: Water Date Extracted:

Instrument ID: CICL Date Analyzed: 03/14/2014 11:55

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-319653/6	0314141209-6.d	03/14/2014 12:09
	LCSD 680-319653/7	0314141223-7.d	03/14/2014 12:23
SMSMW03B	680-99170-2	0314141335-12.d	03/14/2014 13:35
SMSSW03	680-99170-6	0314141404-14.d	03/14/2014 14:04
	CCB 680-319653/17	0314141448-17.d	03/14/2014 14:48
SMSMW04A	680-99170-7	0314141502-18.d	03/14/2014 15:02
SMSMW01A	680-99170-8	0314141545-21.d	03/14/2014 15:45
	CCB 680-319653/25	0314141643-25.d	03/14/2014 16:43

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab File ID: 0314142116-44.d Lab Sample ID: MB 680-319688/44

Matrix: Water Date Extracted:

Instrument ID: CICL Date Analyzed: 03/14/2014 21:16

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-319688/45	0314142131-45.d	03/14/2014 21:31
	LCSD 680-319688/46	0314142145-46.d	03/14/2014 21:45
	CCB 680-319688/58	0315140038-58.d	03/15/2014 00:38
	CCB 680-319688/70	0315140331-70.d	03/15/2014 03:31
SMSMW04A	680-99170-7	0315140345-71.d	03/15/2014 03:45
SMSMW01A	680-99170-8	0315140400-72.d	03/15/2014 04:00
	CCB 680-319688/75	0315140443-75.d	03/15/2014 04:43

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID: SMSMW08A
Lab Sample ID: 680-99170-1
Matrix: Water
Lab File ID: 0313142351-38.d
Analysis Method: 300.0
Date Collected: 03/05/2014 09:40
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/13/2014 23:51
Con. Extract Vol.: 5(mL)
Dilution Factor: 5
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319563
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	76		2.5	1.3

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0313142351-38.d				
Lims ID:	680-99170-F-1	Lab Sample ID:	680-99170-1		
Client ID:	SMSMW08A				
Sample Type:	Client				
Inject. Date:	13-Mar-2014 23:51:00	ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	25.0 ul	Dil. Factor:	5.0000		
Sample Info:	680-99170-F-1 1L031314 connie				
Misc. Info.:	17752 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	14-Mar-2014 10:12:28	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK010				

First Level Reviewer: thorntonp Date: 14-Mar-2014 09:32:01

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.217	3.200	0.017	1025244708	28.2	E
2 Chloride	4.383	4.425	-0.042	6514178682	293.3	E
3 Sulfate	5.950	5.975	-0.025	250773568	15.1	

QC Flag Legend

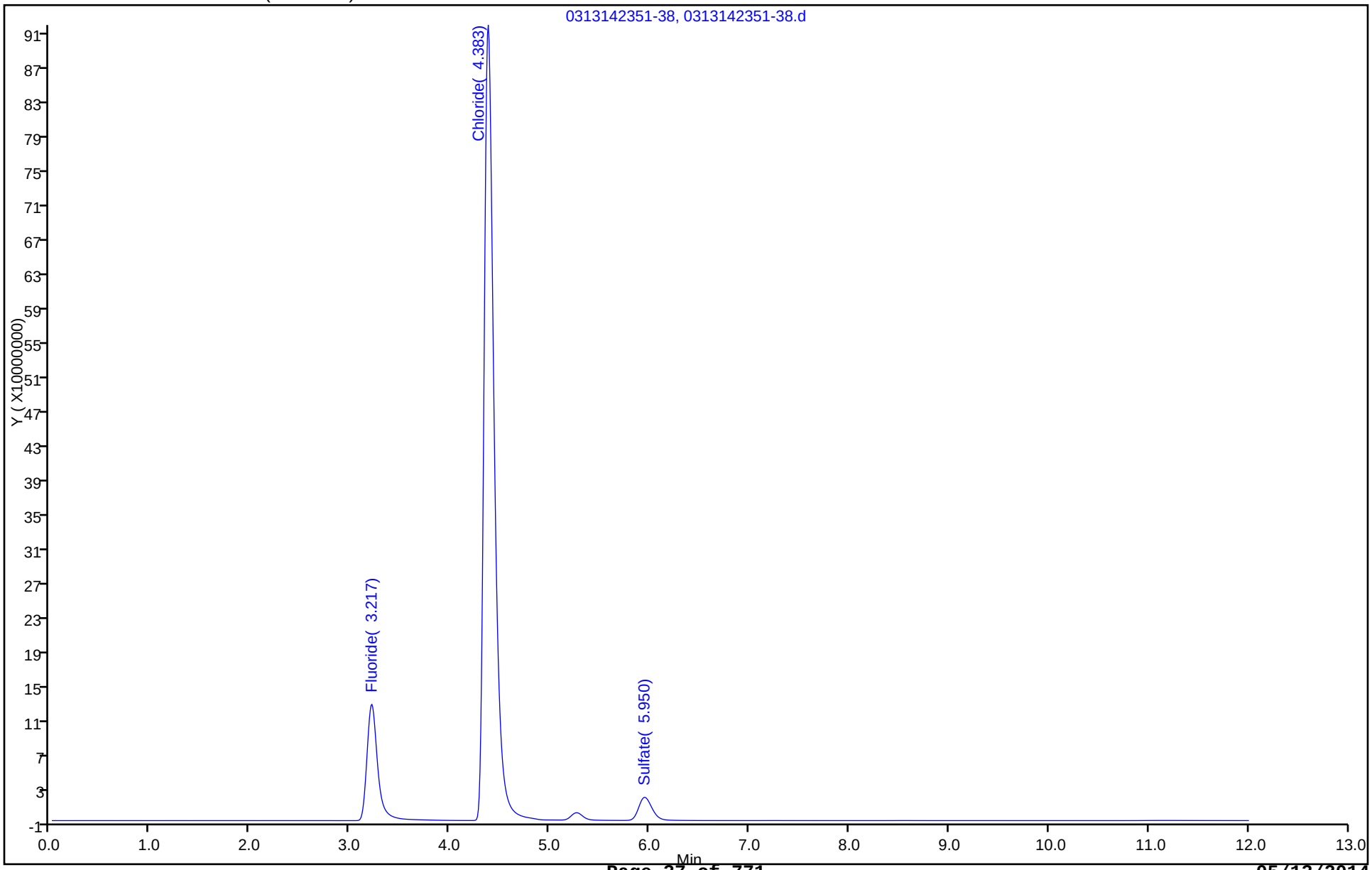
Processing Flags
E - Exceeded Maximum Amount

Report Date: 14-Mar-2014 10:12:30 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0313142351-38.d				
Injection Date:	13-Mar-2014 23:51:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99170-F-1	Lab Sample ID:	680-99170-1	Worklist Smp#:	38
Client ID:	SMSMW08A				
Injection Vol:	25.0 ul	Dil. Factor:	5.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW08A Lab Sample ID: 680-99170-1

Matrix: Water Lab File ID: 0314140034-41.d

Analysis Method: 300.0 Date Collected: 03/05/2014 09:40

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/14/2014 00:34

Con. Extract Vol.: 5(mL) Dilution Factor: 50

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319563 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16984-48-8	Fluoride	180		5.0	1.3
16887-00-6	Chloride	1500		25	13

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0314140034-41.d				
Lims ID:	680-99170-F-1	Lab Sample ID:	680-99170-1		
Client ID:	SMSMW08A				
Sample Type:	Client				
Inject. Date:	14-Mar-2014 00:34:00	ALS Bottle#:	0	Worklist Smp#:	41
Injection Vol:	25.0 ul	Dil. Factor:	50.0000		
Sample Info:	680-99170-F-1 1L031314 connie				
Misc. Info.:	10413 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	14-Mar-2014 11:53:18	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK010				
First Level Reviewer: thorntonp		Date:	14-Mar-2014 09:50:44		

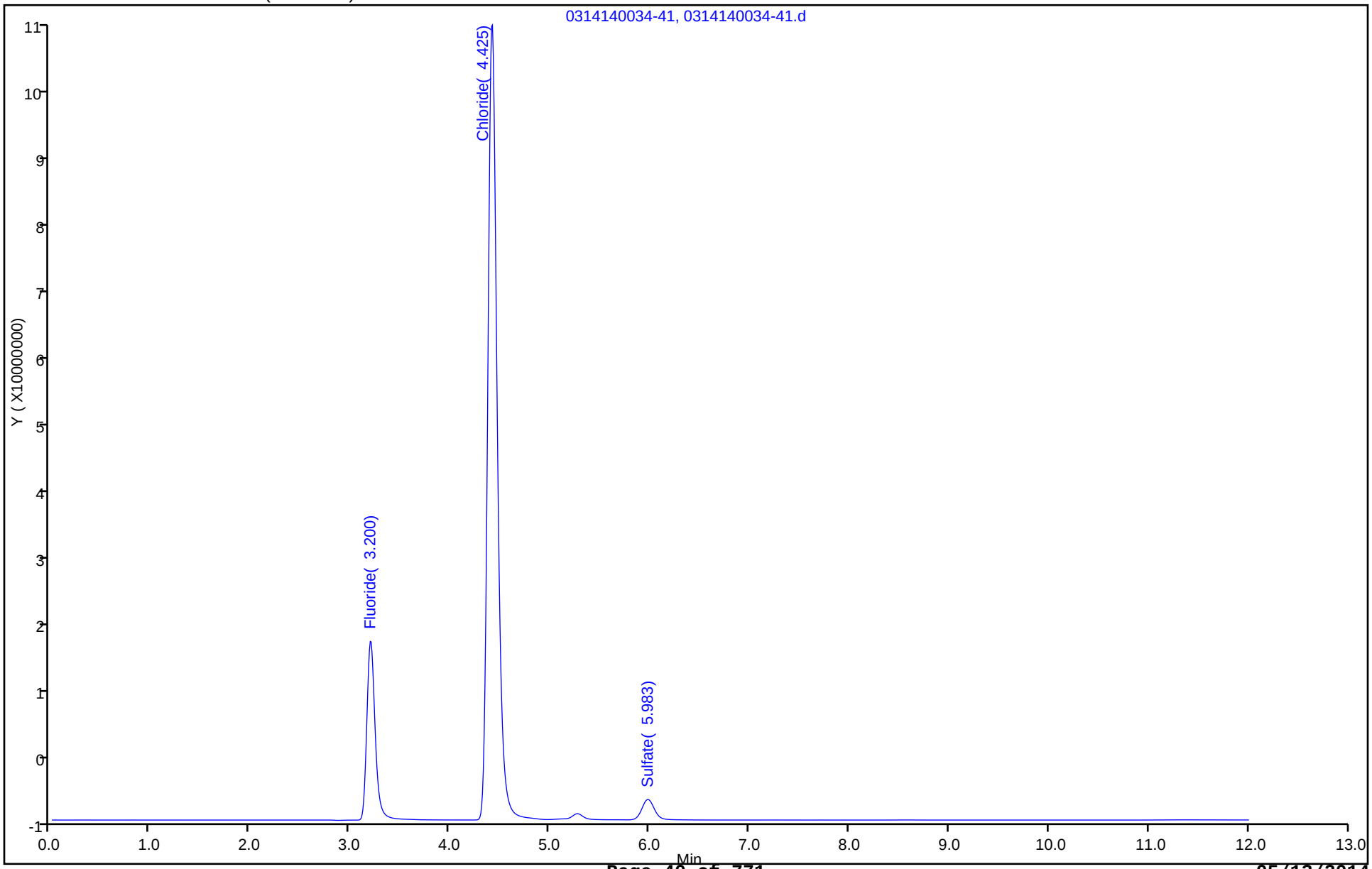
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	133688780	3.68	
2 Chloride	4.425	4.425	0.0	666514061	30.1	
3 Sulfate	5.983	5.967	0.016	22808377	1.39	

Report Date: 14-Mar-2014 11:53:26 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0314140034-41.d				
Injection Date:	14-Mar-2014 00:34:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99170-F-1	Lab Sample ID:	680-99170-1	Worklist Smp#:	41
Client ID:	SMSMW08A				
Injection Vol:	25.0 ul	Dil. Factor:	50.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW03B Lab Sample ID: 680-99170-2

Matrix: Water Lab File ID: 0314141335-12.d

Analysis Method: 300.0 Date Collected: 03/05/2014 10:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/14/2014 13:35

Con. Extract Vol.: 5(mL) Dilution Factor: 250

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319653 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	1700		130	63
16984-48-8	Fluoride	<6.3		25	6.3

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141335-12.d				
Lims ID:	680-99170-F-2	Lab Sample ID:	680-99170-2		
Client ID:	SMSMW03B				
Sample Type:	Client				
Inject. Date:	14-Mar-2014 13:35:00	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	25.0 ul	Dil. Factor:	250.0000		
Sample Info:	680-99170-F-2 1L031414 connie				
Misc. Info.:	9006 OF -F/SO4				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:23	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				
First Level Reviewer: thorntonp		Date:	14-Mar-2014 14:28:34		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.233	3.200	0.033	59762	0.0115	M
2 Chloride	4.392	4.425	-0.033	4190620375	188.7	E
3 Sulfate	5.967	5.967	0.0	109671818	6.61	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

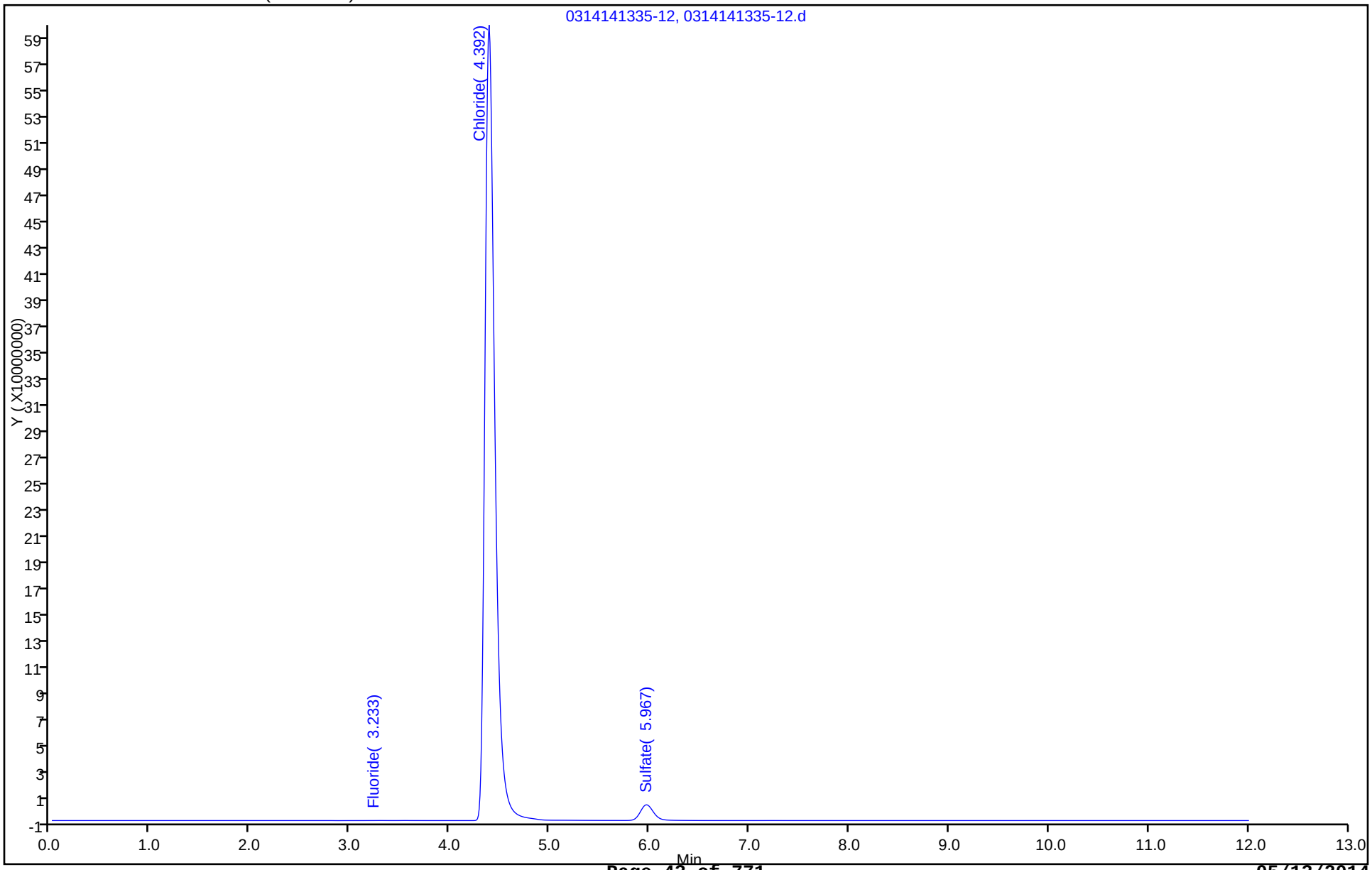
Review Flags
M - Manually Integrated

Report Date: 18-Mar-2014 09:47:25 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141335-12.d				
Injection Date:	14-Mar-2014 13:35:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99170-F-2	Lab Sample ID:	680-99170-2	Worklist Smp#:	12
Client ID:	SMSMW03B				
Injection Vol:	25.0 ul	Dil. Factor:	250.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



Manual Integration/User Assign Peak Report

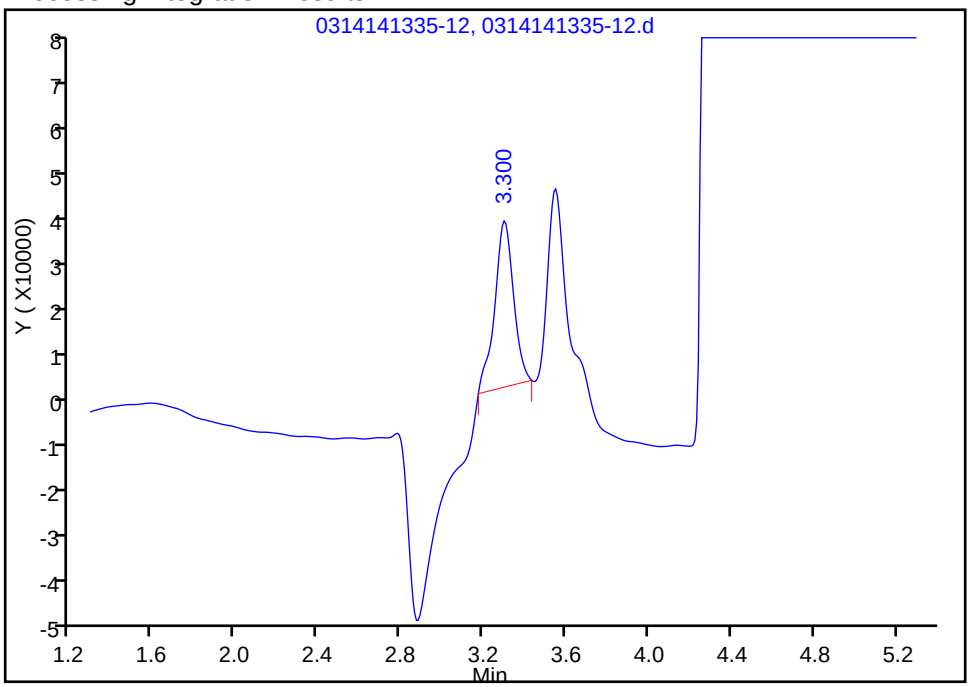
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141335-12.d				
Injection Date:	14-Mar-2014 13:35:00	Instrument ID:	CICL		
Lims ID:	680-99170-F-2	Lab Sample ID:	680-99170-2		
Client ID:	SMSMW03B				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	25.0 ul	Dil. Factor:	250.0000		
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		
Column:	Dionex Ion Pac AS18 (4.00 mm)	Detector	0423131702-17		

1 Fluoride, CAS: 16984-48-8

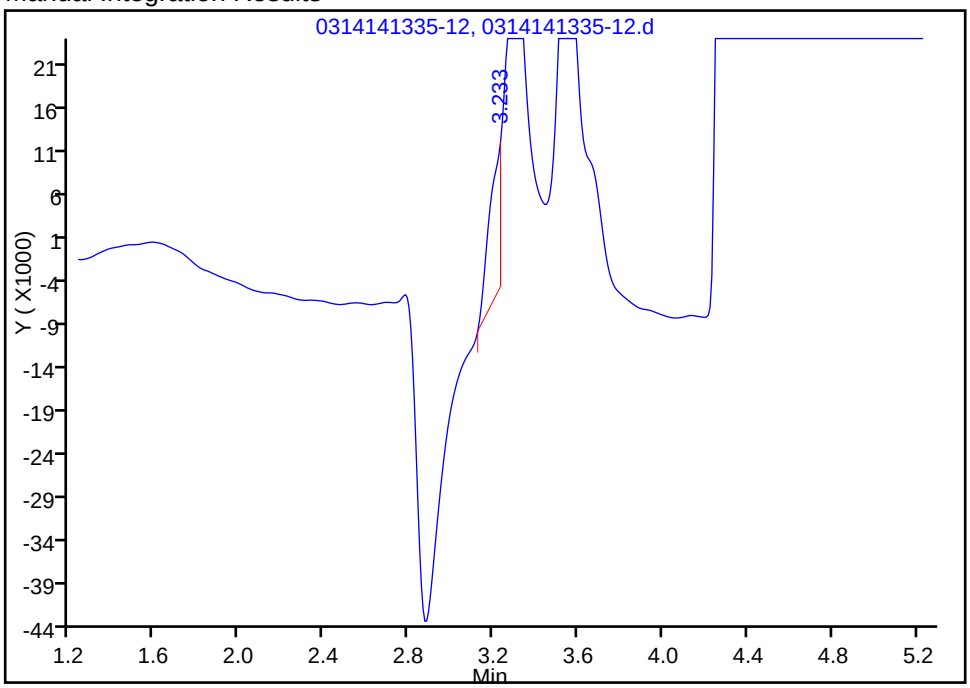
Processing Integration Results

RT: 3.30
Response: 210180
Amount: 0.015628



Manual Integration Results

RT: 3.23
Response: 59762
Amount: 0.011493



Reviewer: thorntonp, 18-Mar-2014 09:37:52
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW03B Lab Sample ID: 680-99170-2

Matrix: Water Lab File ID: 0314140103-43.d

Analysis Method: 300.0 Date Collected: 03/05/2014 10:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/14/2014 01:03

Con. Extract Vol.: 5(mL) Dilution Factor: 1000

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319563 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	48000		500	250

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0314140103-43.d				
Lims ID:	680-99170-F-2	Lab Sample ID:	680-99170-2		
Client ID:	SMSMW03B				
Sample Type:	Client				
Inject. Date:	14-Mar-2014 01:03:00	ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	25.0 ul	Dil. Factor:	1000.0000		
Sample Info:	680-99170-F-2 1L031314 connie				
Misc. Info.:	13376 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	14-Mar-2014 10:12:28	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK010				
First Level Reviewer: thorntonp		Date:	14-Mar-2014 10:00:08		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.258	3.200	0.058	2969	0.0099	7M
2 Chloride	4.417	4.425	-0.008	1070470142	48.3	
3 Sulfate	5.983	5.975	0.008	25472274	1.55	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

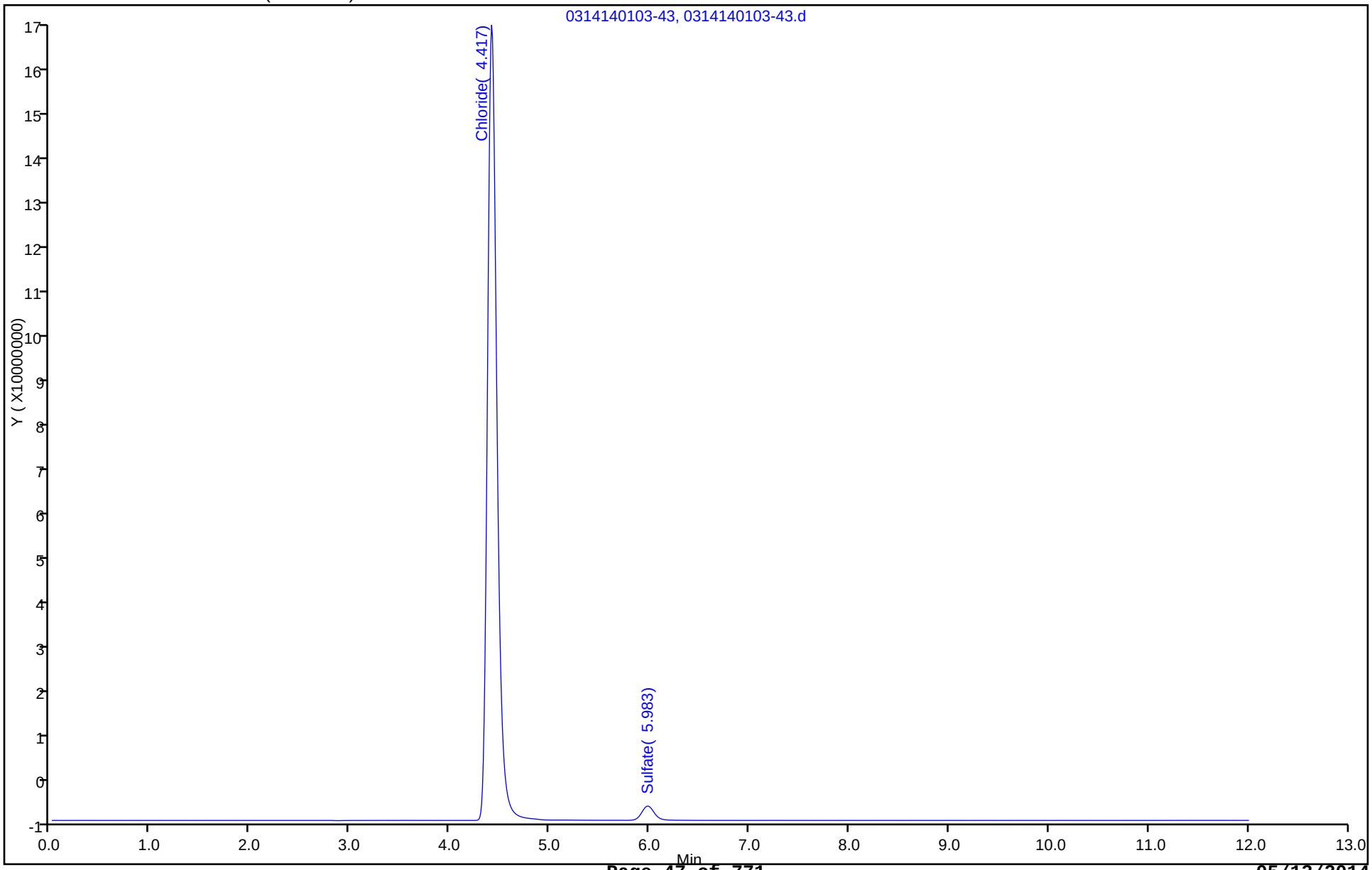
Review Flags
M - Manually Integrated

Report Date: 14-Mar-2014 10:12:31 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0314140103-43.d				
Injection Date:	14-Mar-2014 01:03:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99170-F-2	Lab Sample ID:	680-99170-2	Worklist Smp#:	43
Client ID:	SMSMW03B				
Injection Vol:	25.0 ul	Dil. Factor:	1000.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID: SMSMW02A
Lab Sample ID: 680-99170-3
Matrix: Water
Lab File ID: 0314140244-50.d
Analysis Method: 300.0
Date Collected: 03/05/2014 10:20
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/14/2014 02:44
Con. Extract Vol.: 5(mL)
Dilution Factor: 5
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319563
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<1.3		2.5	1.3

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0314140244-50.d				
Lims ID:	680-99170-F-3	Lab Sample ID:	680-99170-3		
Client ID:	SMSMW02A				
Sample Type:	Client				
Inject. Date:	14-Mar-2014 02:44:00	ALS Bottle#:	0	Worklist Smp#:	50
Injection Vol:	25.0 ul	Dil. Factor:	5.0000		
Sample Info:	680-99170-F-3 1L031314 connie				
Misc. Info.:	10804 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	14-Mar-2014 10:12:32	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK010				

First Level Reviewer: thorntonp Date: 14-Mar-2014 09:33:38

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.217	3.200	0.017	1428273655	39.3	E
2 Chloride	4.375	4.425	-0.050	10792663401	485.9	EM

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

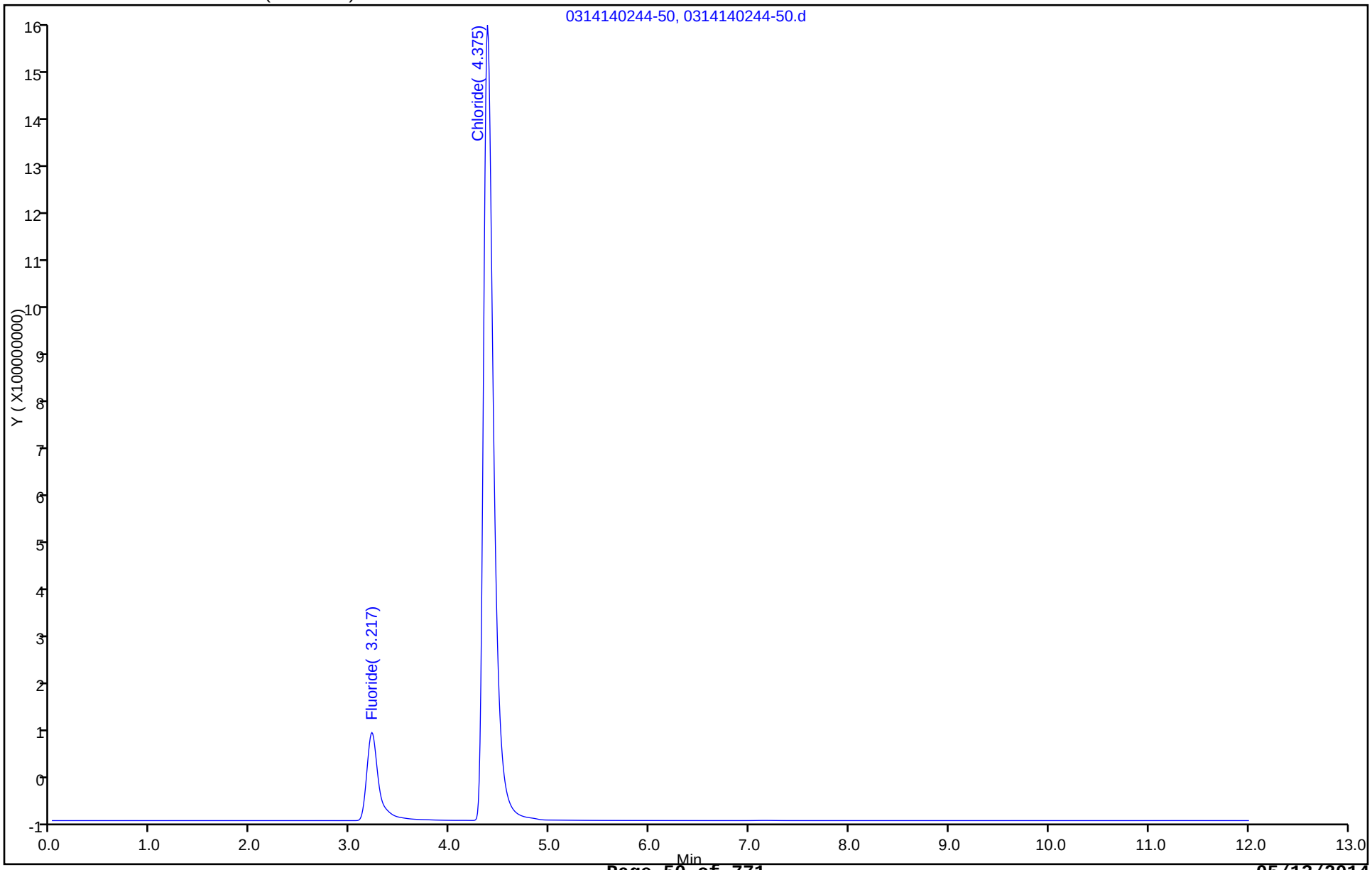
Review Flags
M - Manually Integrated

Report Date: 14-Mar-2014 10:12:33 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0314140244-50.d				
Injection Date:	14-Mar-2014 02:44:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99170-F-3	Lab Sample ID:	680-99170-3	Worklist Smp#:	50
Client ID:	SMSMW02A				
Injection Vol:	25.0 ul	Dil. Factor:	5.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW02A Lab Sample ID: 680-99170-3

Matrix: Water Lab File ID: 0314140327-53.d

Analysis Method: 300.0 Date Collected: 03/05/2014 10:20

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/14/2014 03:27

Con. Extract Vol.: 5(mL) Dilution Factor: 100

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319563 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16984-48-8	Fluoride	310		10	2.5
16887-00-6	Chloride	2700		50	25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0314140327-53.d				
Lims ID:	680-99170-F-3	Lab Sample ID:	680-99170-3		
Client ID:	SMSMW02A				
Sample Type:	Client				
Inject. Date:	14-Mar-2014 03:27:00	ALS Bottle#:	0	Worklist Smp#:	53
Injection Vol:	25.0 ul	Dil. Factor:	100.0000		
Sample Info:	680-99170-F-3 1L031314 connie				
Misc. Info.:	21828 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	14-Mar-2014 10:12:32	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK010				

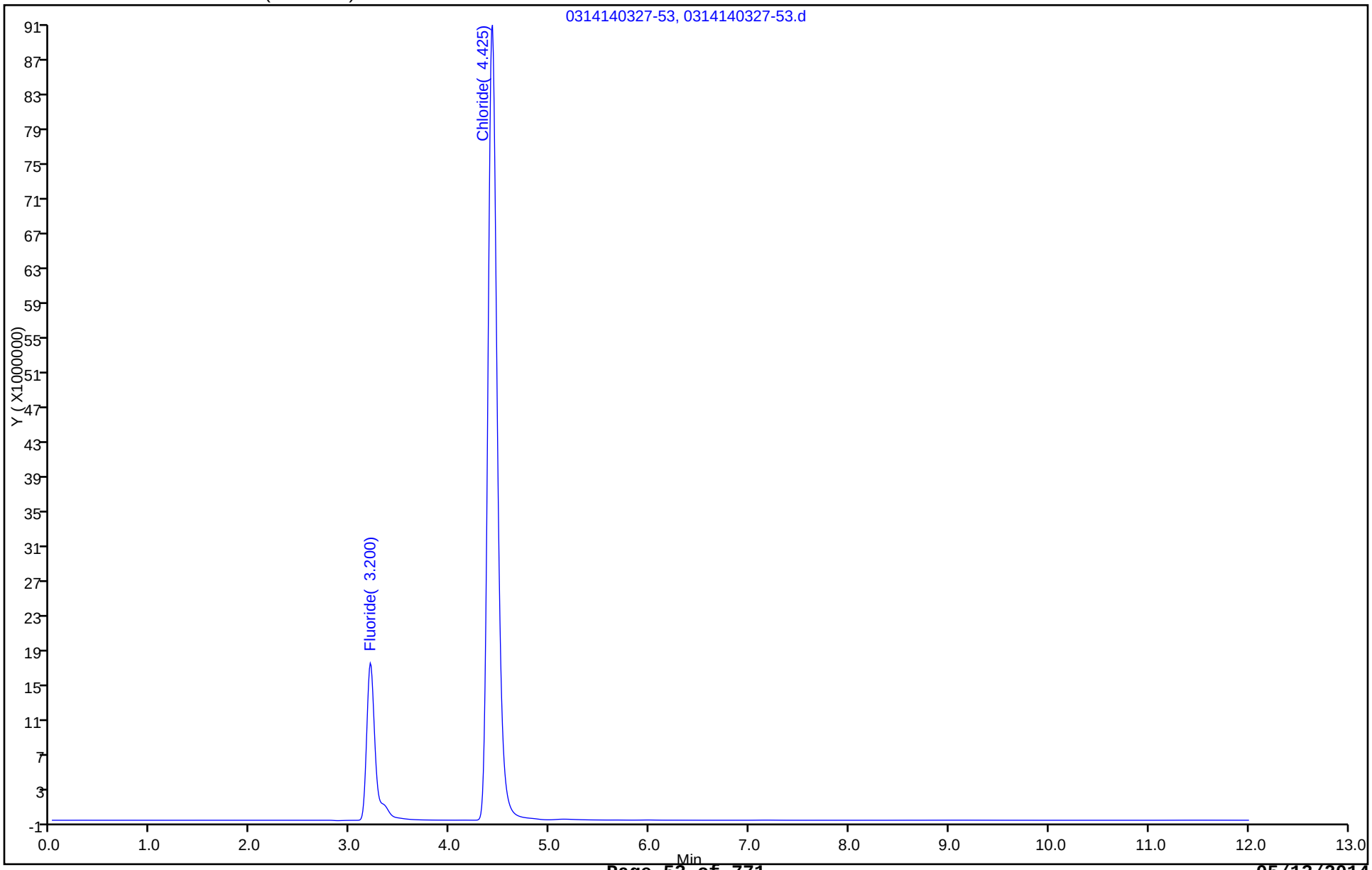
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	111140807	3.06	
2 Chloride	4.425	4.425	0.0	594882482	26.9	

Report Date: 14-Mar-2014 10:12:34 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0314140327-53.d				
Injection Date:	14-Mar-2014 03:27:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99170-F-3	Lab Sample ID:	680-99170-3	Worklist Smp#:	53
Client ID:	SMSMW02A				
Injection Vol:	25.0 ul	Dil. Factor:	100.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW12A Lab Sample ID: 680-99170-4

Matrix: Water Lab File ID: 0313140001-54.d

Analysis Method: 300.0 Date Collected: 03/05/2014 11:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/13/2014 00:01

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319351 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16984-48-8	Fluoride	0.15		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\0313140001-54.d				
Lims ID:	680-99170-F-4	Lab Sample ID:	680-99170-4		
Client ID:	SMSMW12A				
Sample Type:	Client				
Inject. Date:	13-Mar-2014 00:01:00	ALS Bottle#:	0	Worklist Smp#:	54
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99170-F-4 1L031214 connie				
Misc. Info.:	23881 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	13-Mar-2014 10:41:53	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				
First Level Reviewer: thorntonp		Date:	13-Mar-2014 10:18:01		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.200	-0.008	5254087	0.1543	M
2 Chloride	4.392	4.417	-0.025	6369390078	286.8	E
3 Sulfate	5.767	5.933	-0.166	3335868744	200.8	E

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

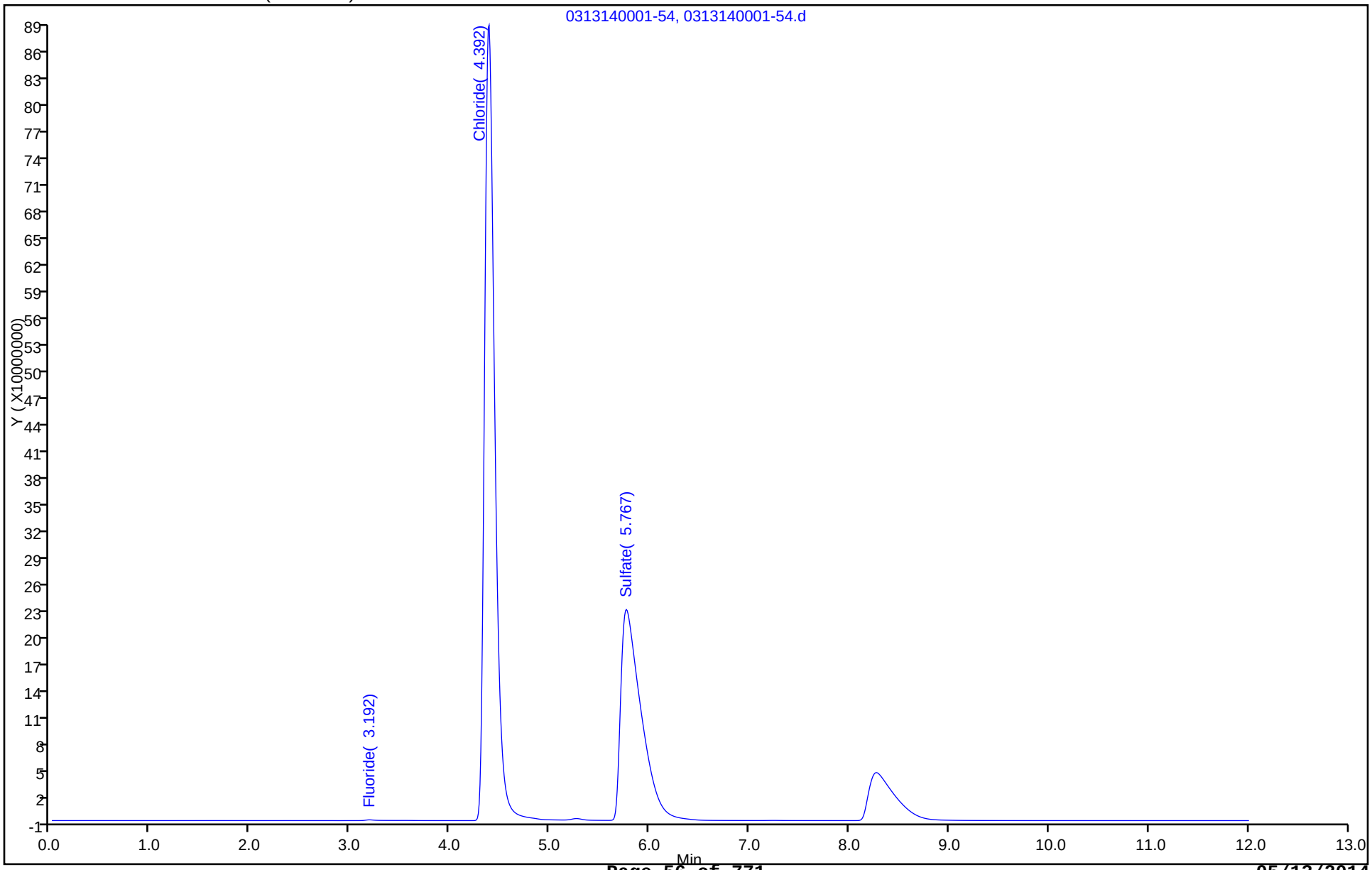
Review Flags
M - Manually Integrated

Report Date: 13-Mar-2014 10:41:56 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\0313140001-54.d				
Injection Date:	13-Mar-2014 00:01:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99170-F-4	Lab Sample ID:	680-99170-4	Worklist Smp#:	54
Client ID:	SMSMW12A				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



Manual Integration/User Assign Peak Report

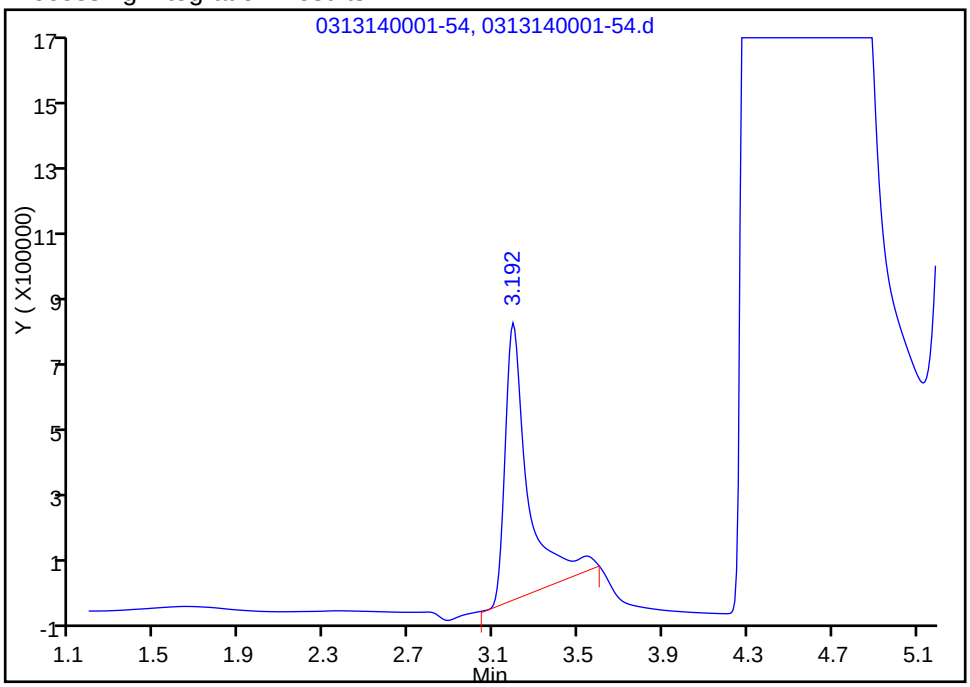
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\0313140001-54.d				
Injection Date:	13-Mar-2014 00:01:00	Instrument ID:	CICL		
Lims ID:	680-99170-F-4	Lab Sample ID:	680-99170-4		
Client ID:	SMSMW12A				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	54
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		
Column:	Dionex Ion Pac AS18 (4.00 mm)	Detector	0423131702-17		

1 Fluoride, CAS: 16984-48-8

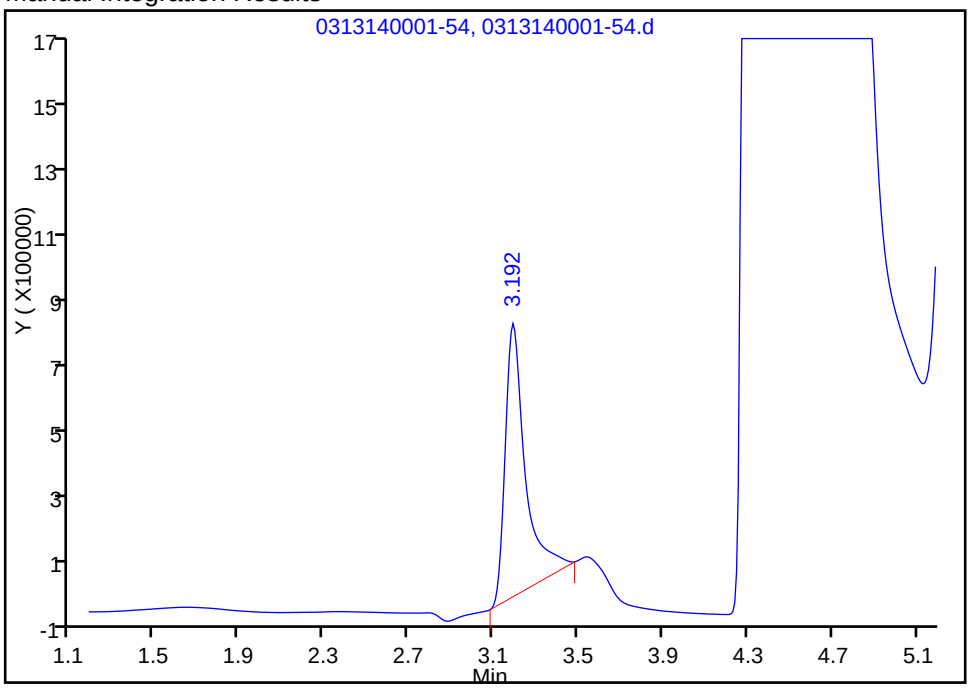
Processing Integration Results

RT: 3.19
Response: 6016956
Amount: 0.175243



Manual Integration Results

RT: 3.19
Response: 5254087
Amount: 0.154273



Reviewer: thorntonp, 13-Mar-2014 10:18:01
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW12A Lab Sample ID: 680-99170-4

Matrix: Water Lab File ID: 0314140356-55.d

Analysis Method: 300.0 Date Collected: 03/05/2014 11:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/14/2014 03:56

Con. Extract Vol.: 5(mL) Dilution Factor: 10

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319563 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	200		5.0	2.5
16887-00-6	Chloride	290		5.0	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0314140356-55.d				
Lims ID:	680-99170-F-4	Lab Sample ID:	680-99170-4		
Client ID:	SMSMW12A				
Sample Type:	Client				
Inject. Date:	14-Mar-2014 03:56:00	ALS Bottle#:	0	Worklist Smp#:	55
Injection Vol:	25.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-99170-F-4 1L031314 connie				
Misc. Info.:	22127 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	14-Mar-2014 11:53:18	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK010				

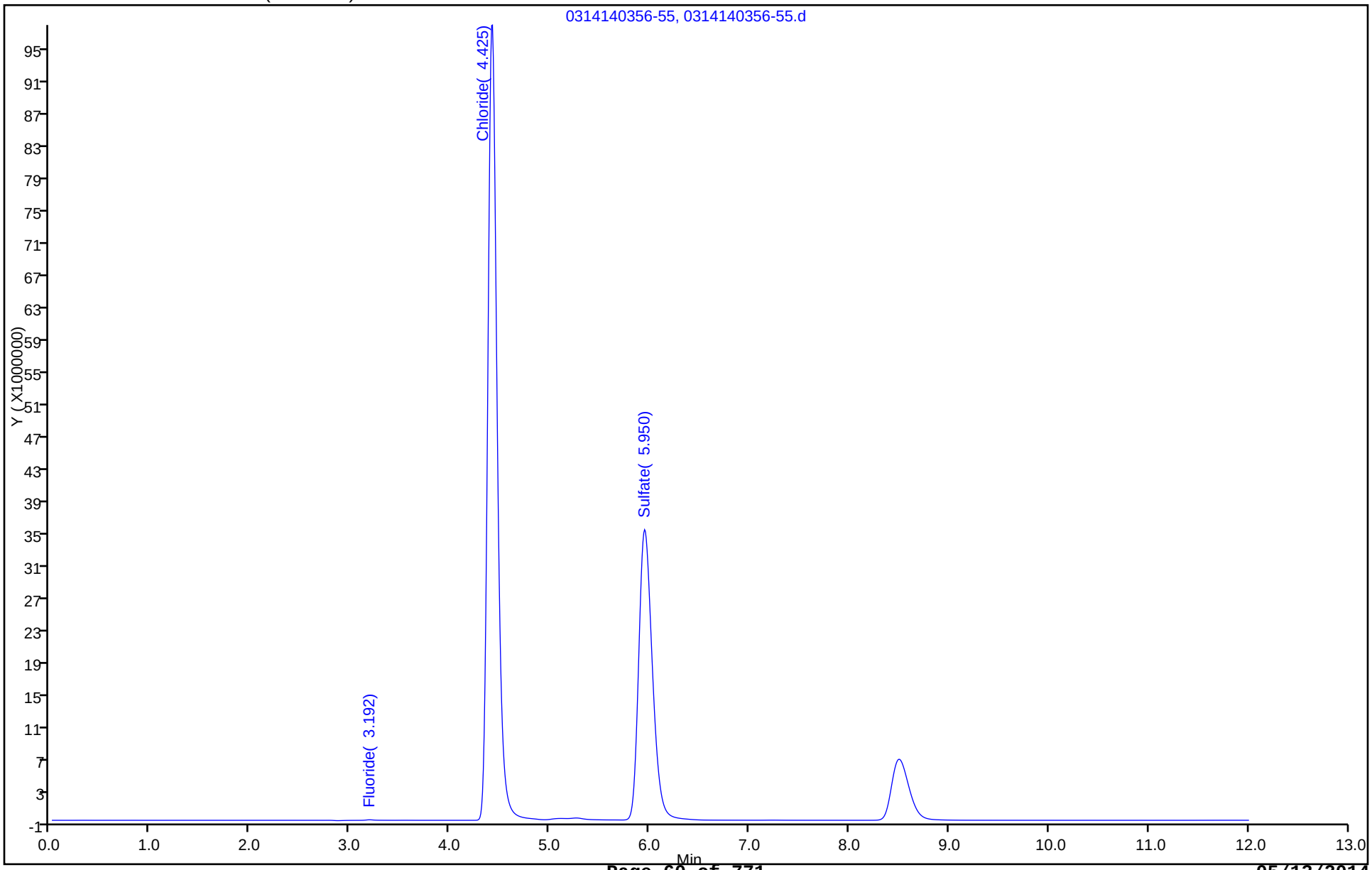
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.200	-0.008	320513	0.0187	
2 Chloride	4.425	4.425	0.0	639720155	28.9	
3 Sulfate	5.950	5.967	-0.017	339089553	20.4	

Report Date: 14-Mar-2014 11:53:18 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0314140356-55.d				
Injection Date:	14-Mar-2014 03:56:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99170-F-4	Lab Sample ID:	680-99170-4	Worklist Smp#:	55
Client ID:	SMSMW12A				
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSSW03 Lab Sample ID: 680-99170-6

Matrix: Water Lab File ID: 0313140016-55.d

Analysis Method: 300.0 Date Collected: 03/05/2014 13:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/13/2014 00:16

Con. Extract Vol.: 5(mL) Dilution Factor: 2

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319351 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	74		1.0	0.50
16984-48-8	Fluoride	12		0.20	0.050

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\0313140016-55.d				
Lims ID:	680-99170-F-6	Lab Sample ID:	680-99170-6		
Client ID:	SMSSW03				
Sample Type:	Client				
Inject. Date:	13-Mar-2014 00:16:00	ALS Bottle#:	0	Worklist Smp#:	55
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-99170-F-6 1L031214 connie				
Misc. Info.:	21247 OF- COLOR				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	13-Mar-2014 10:41:53	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				
First Level Reviewer: thorntonp		Date:	13-Mar-2014 10:18:31		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.208	3.200	0.008	218009884	6.00	
2 Chloride	4.400	4.417	-0.017	3580168702	161.2	E
3 Sulfate	5.933	5.933	0.0	615656190	37.1	

QC Flag Legend

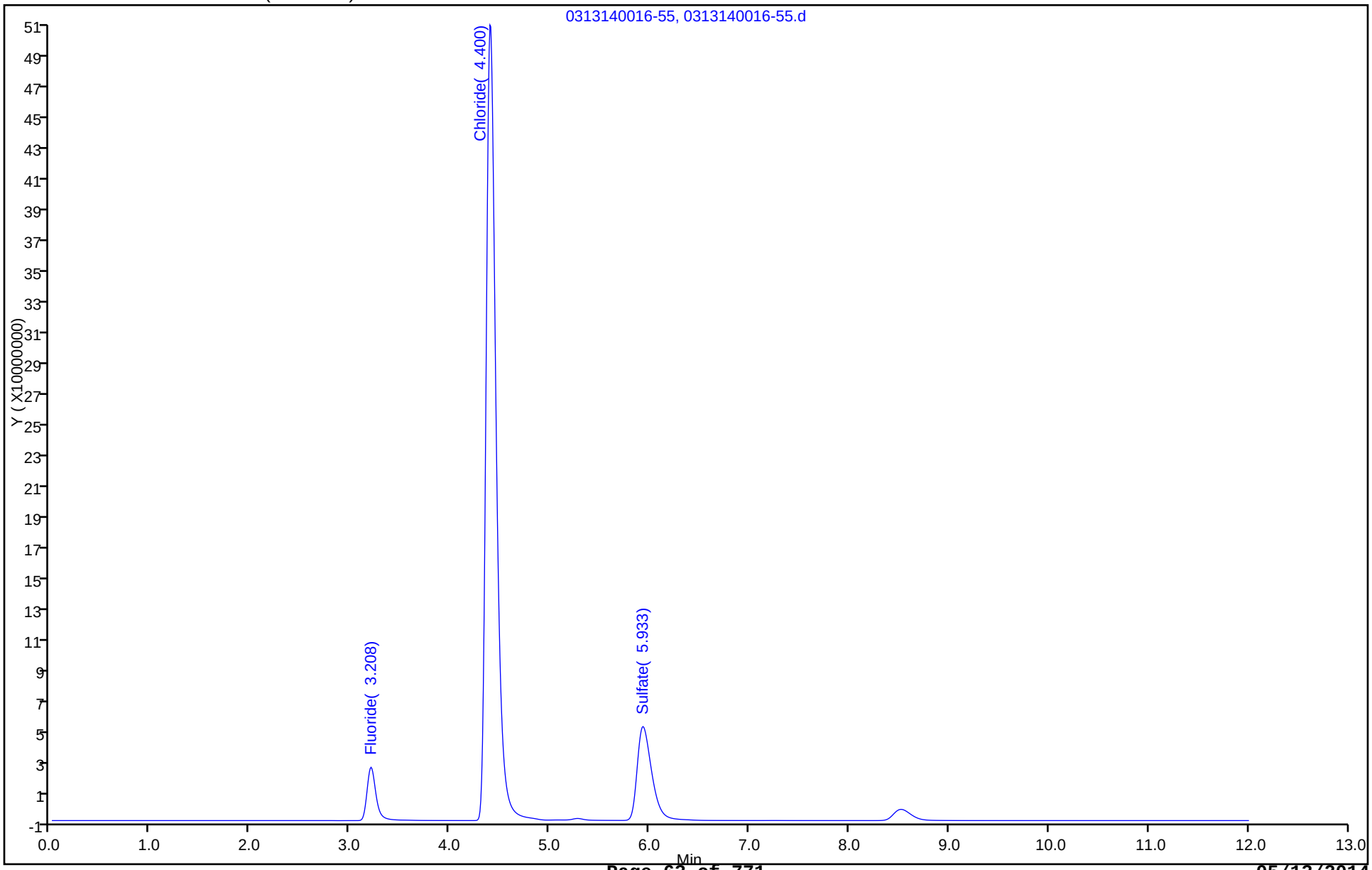
Processing Flags
E - Exceeded Maximum Amount

Report Date: 13-Mar-2014 10:41:57 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\0313140016-55.d				
Injection Date:	13-Mar-2014 00:16:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99170-F-6	Lab Sample ID:	680-99170-6	Worklist Smp#:	55
Client ID:	SMSSW03				
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSSW03 Lab Sample ID: 680-99170-6

Matrix: Water Lab File ID: 0314141404-14.d

Analysis Method: 300.0 Date Collected: 03/05/2014 13:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/14/2014 14:04

Con. Extract Vol.: 5(mL) Dilution Factor: 10

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319653 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	330		5.0	2.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141404-14.d				
Lims ID:	680-99170-F-6	Lab Sample ID:	680-99170-6		
Client ID:	SMSSW03				
Sample Type:	Client				
Inject. Date:	14-Mar-2014 14:04:00	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	25.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-99170-F-6 1L031414 connie				
Misc. Info.:	25808 OF- F				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:23	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				
First Level Reviewer: thorntonp		Date:	18-Mar-2014 09:38:06		

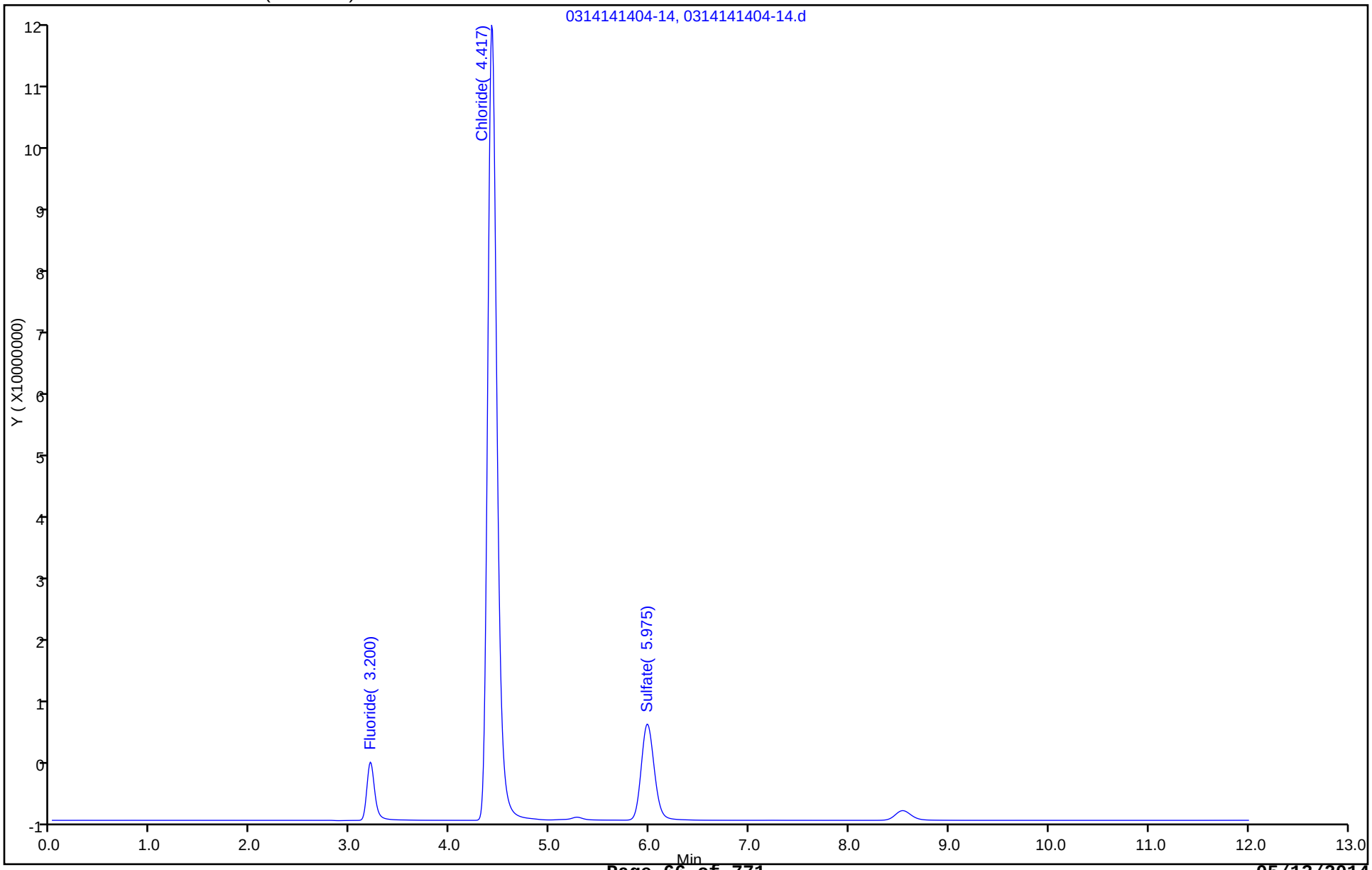
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	45810690	1.27	
2 Chloride	4.417	4.425	-0.008	724785065	32.7	
3 Sulfate	5.975	5.967	0.008	122677206	7.40	

Report Date: 18-Mar-2014 09:47:26 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141404-14.d				
Injection Date:	14-Mar-2014 14:04:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99170-F-6	Lab Sample ID:	680-99170-6	Worklist Smp#:	14
Client ID:	SMSSW03				
Injection Vol:	25.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW04A Lab Sample ID: 680-99170-7

Matrix: Water Lab File ID: 0314141502-18.d

Analysis Method: 300.0 Date Collected: 03/05/2014 13:44

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/14/2014 15:02

Con. Extract Vol.: 5(mL) Dilution Factor: 25

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319653 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	640		13	6.3
16984-48-8	Fluoride	0.79	J	2.5	0.63

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141502-18.d				
Lims ID:	680-99170-F-7	Lab Sample ID:	680-99170-7		
Client ID:	SMSMW04A				
Sample Type:	Client				
Inject. Date:	14-Mar-2014 15:02:00	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	25.0 ul	Dil. Factor:	25.0000		
Sample Info:	680-99170-F-7 1L031414 connie				
Misc. Info.:	4712 OF- F				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:26	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				

First Level Reviewer: thorntonp Date: 14-Mar-2014 15:27:20

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.183	3.200	-0.017	790594	0.0316	
2 Chloride	4.375	4.425	-0.050	11282932045	508.0	E
3 Sulfate	5.933	5.967	-0.034	423819887	25.5	

QC Flag Legend

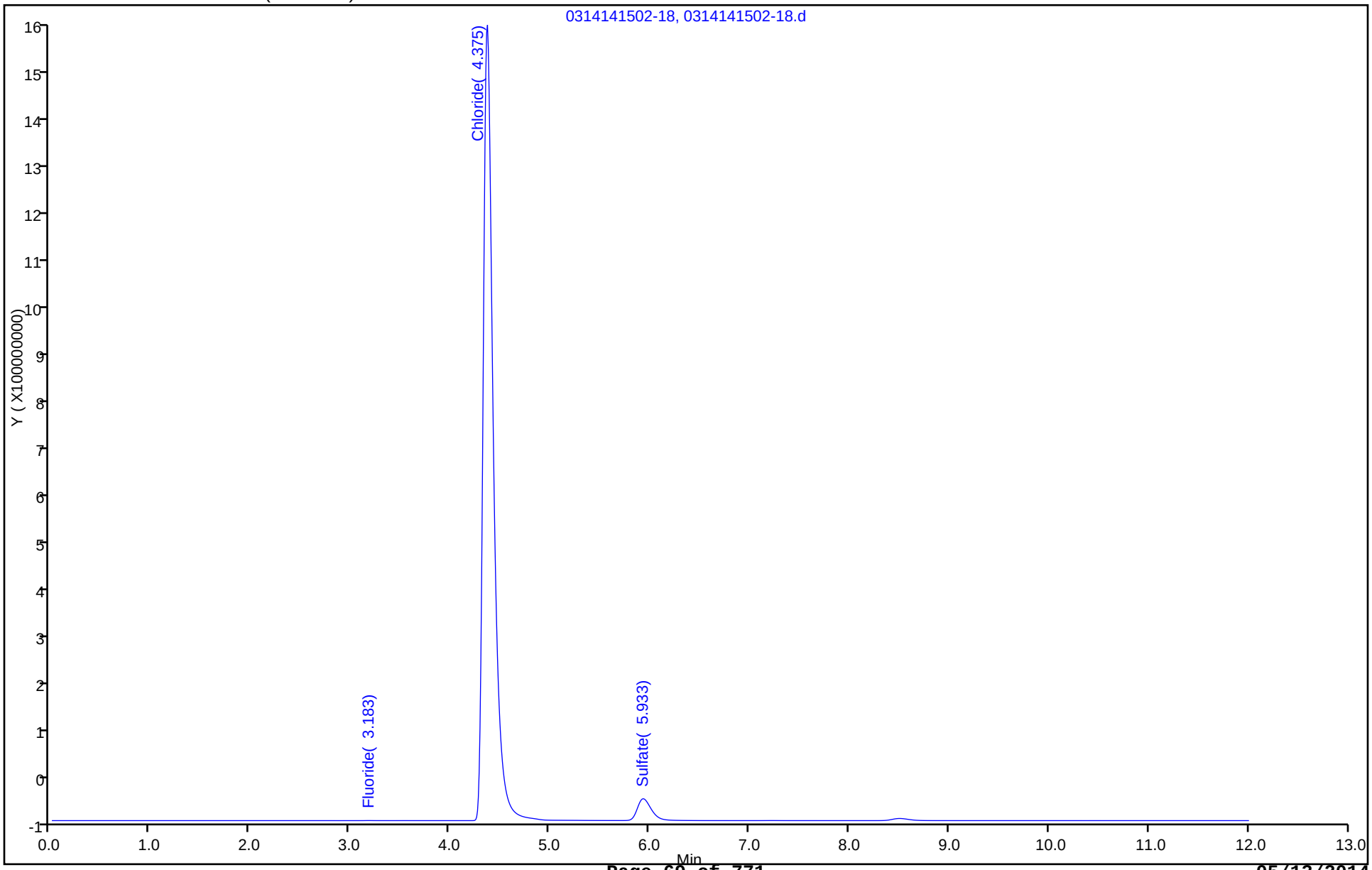
Processing Flags
E - Exceeded Maximum Amount

Report Date: 18-Mar-2014 09:47:27 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141502-18.d				
Injection Date:	14-Mar-2014 15:02:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99170-F-7	Lab Sample ID:	680-99170-7	Worklist Smp#:	18
Client ID:	SMSMW04A				
Injection Vol:	25.0 ul	Dil. Factor:	25.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID: SMSMW04A
Lab Sample ID: 680-99170-7
Matrix: Water
Lab File ID: 0315140345-71.d
Analysis Method: 300.0
Date Collected: 03/05/2014 13:44
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/15/2014 03:45
Con. Extract Vol.: 5(mL)
Dilution Factor: 500
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319688
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	13000		250	130

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0315140345-71.d				
Lims ID:	680-99170-F-7	Lab Sample ID:	680-99170-7		
Client ID:	SMSMW04A				
Sample Type:	Client				
Inject. Date:	15-Mar-2014 03:45:00	ALS Bottle#:	0	Worklist Smp#:	71
Injection Vol:	25.0 ul	Dil. Factor:	500.0000		
Sample Info:	680-99170-F-7 1L031414 connie				
Misc. Info.:	6355 OF- CL				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:41	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				

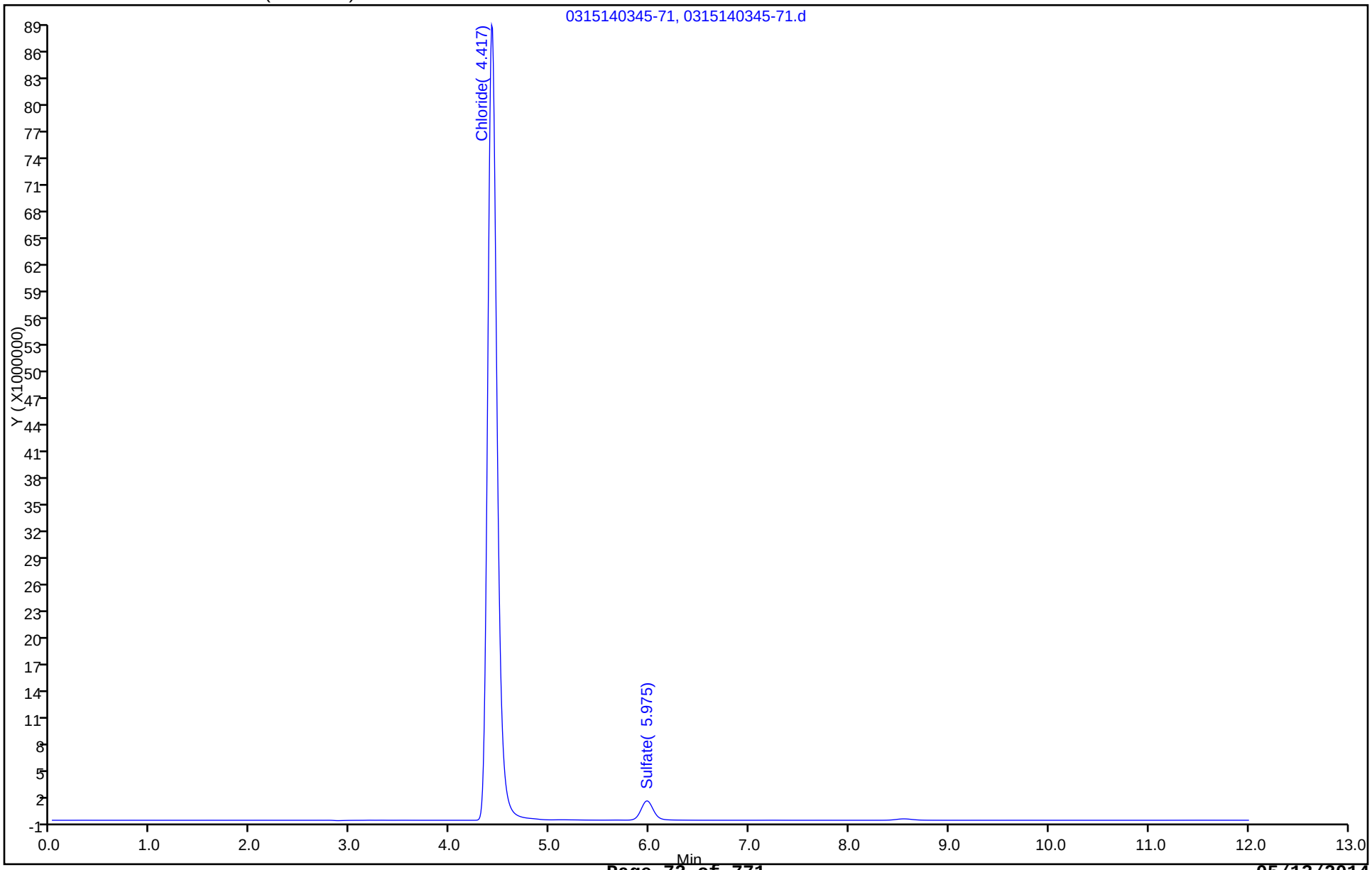
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
2 Chloride	4.417	4.425	-0.008	583029121	26.3	
3 Sulfate	5.975	5.958	0.017	18506542	1.13	

Report Date: 18-Mar-2014 09:47:42 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0315140345-71.d				
Injection Date:	15-Mar-2014 03:45:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99170-F-7	Lab Sample ID:	680-99170-7	Worklist Smp#:	71
Client ID:	SMSMW04A				
Injection Vol:	25.0 ul	Dil. Factor:	500.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW01A Lab Sample ID: 680-99170-8

Matrix: Water Lab File ID: 0314141545-21.d

Analysis Method: 300.0 Date Collected: 03/05/2014 14:35

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/14/2014 15:45

Con. Extract Vol.: 5(mL) Dilution Factor: 25

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319653 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	750		13	6.3
16984-48-8	Fluoride	12		2.5	0.63

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141545-21.d				
Lims ID:	680-99170-F-8	Lab Sample ID:	680-99170-8		
Client ID:	SMSMW01A				
Sample Type:	Client				
Inject. Date:	14-Mar-2014 15:45:00	ALS Bottle#:	0	Worklist Smp#:	21
Injection Vol:	25.0 ul	Dil. Factor:	25.0000		
Sample Info:	680-99170-F-8 1L031414 connie				
Misc. Info.:	22546 OF- F				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:26	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				

First Level Reviewer: thorntonp Date: 14-Mar-2014 16:20:22

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.200	-0.008	16681960	0.4684	
2 Chloride	4.375	4.425	-0.050	9294571900	418.5	E
3 Sulfate	5.933	5.967	-0.034	500745834	30.2	

QC Flag Legend

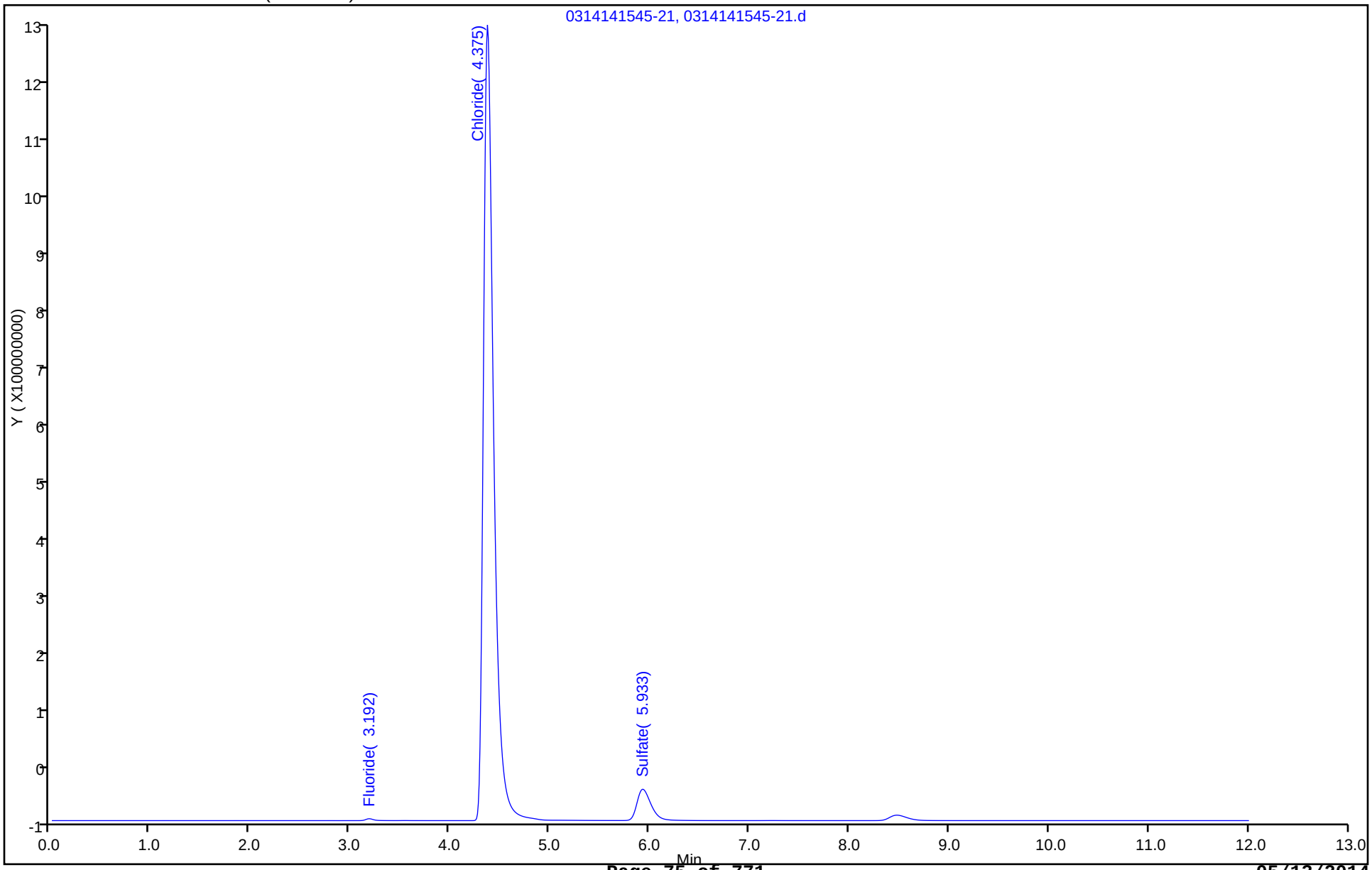
Processing Flags
E - Exceeded Maximum Amount

Report Date: 18-Mar-2014 09:47:28 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141545-21.d				
Injection Date:	14-Mar-2014 15:45:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99170-F-8	Lab Sample ID:	680-99170-8	Worklist Smp#:	21
Client ID:	SMSMW01A				
Injection Vol:	25.0 ul	Dil. Factor:	25.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW01A Lab Sample ID: 680-99170-8

Matrix: Water Lab File ID: 0315140400-72.d

Analysis Method: 300.0 Date Collected: 03/05/2014 14:35

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/15/2014 04:00

Con. Extract Vol.: 5(mL) Dilution Factor: 500

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319688 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	11000		250	130

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0315140400-72.d				
Lims ID:	680-99170-F-8	Lab Sample ID:	680-99170-8		
Client ID:	SMSMW01A				
Sample Type:	Client				
Inject. Date:	15-Mar-2014 04:00:00	ALS Bottle#:	0	Worklist Smp#:	72
Injection Vol:	25.0 ul	Dil. Factor:	500.0000		
Sample Info:	680-99170-F-8 1L031414 connie				
Misc. Info.:	18827 OF- CL				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:41	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				

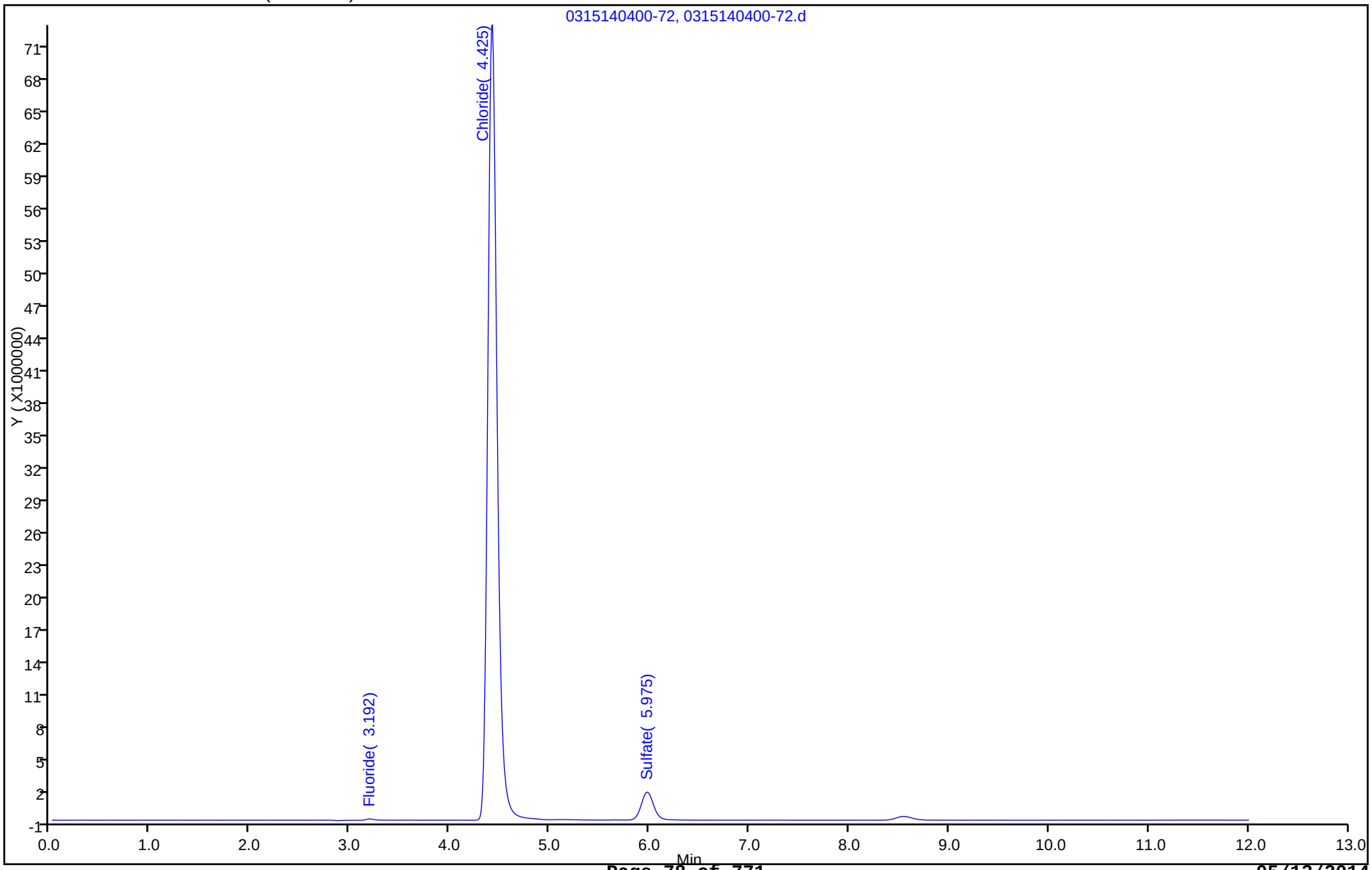
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.200	-0.008	635655	0.0273	
2 Chloride	4.425	4.425	0.0	473327155	21.4	
3 Sulfate	5.975	5.958	0.017	21908803	1.33	

Report Date: 18-Mar-2014 09:47:42 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0315140400-72.d				
Injection Date:	15-Mar-2014 04:00:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-99170-F-8	Lab Sample ID:	680-99170-8	Worklist Smp#:	72
Client ID:	SMSMW01A				
Injection Vol:	25.0 ul	Dil. Factor:	500.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1 Analy Batch No.: 317700

SDG No.: 68099170-1

Instrument ID: CICL GC Column: Dionex AS18 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/28/2014 04:56 Calibration End Date: 02/28/2014 06:22 Calibration ID: 26619

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-317700/1	0228140456-74.d
Level 2	IC 680-317700/2	0228140510-75.d
Level 3	IC 680-317700/3	0228140524-76.d
Level 4	IC 680-317700/4	0228140539-77.d
Level 5	IC 680-317700/5	0228140553-78.d
Level 6	IC 680-317700/6	0228140608-79.d
Level 7	IC 680-317700/7	0228140622-80.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Fluoride	3.183	3.192	3.192	3.192	3.192	3.200	3.200				2.942 - 3.442	3.193
Chloride	4.425	4.425	4.425	4.425	4.417	4.417	4.408				4.175 - 4.675	4.420
Sulfate	5.992	5.992	5.992	5.992	5.975	5.958	5.908				5.725 - 6.225	5.973
Bromide	7.258	7.258	7.250	7.250	7.233	7.208	+++++				6.983 - 7.483	7.243

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-99170-1 Analy Batch No.: 317700

SDG No.: 68099170-1

Instrument ID: CICL GC Column: Dionex AS18 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/28/2014 04:56 Calibration End Date: 02/28/2014 06:22 Calibration ID: 26619

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-317700/1	0228140456-74.d
Level 2	IC 680-317700/2	0228140510-75.d
Level 3	IC 680-317700/3	0228140524-76.d
Level 4	IC 680-317700/4	0228140539-77.d
Level 5	IC 680-317700/5	0228140553-78.d
Level 6	IC 680-317700/6	0228140608-79.d
Level 7	IC 680-317700/7	0228140622-80.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
Fluoride	32828710 37114140	34212910 36148324	35622216 34506343	37462284	Lin2	-358354.08	36379837.1							0.9990		0.9900
Chloride	19032152 21879355	20315445 22199496	21347059 22577872	21849650	Lin2	-1670845.1	22214302.0							1.0000		0.9900
Sulfate	16132986 16501005	16307757 16448468	16802702 16520538	16727891	Lin2	-229408.12	16615173.5							1.0000		0.9900
Bromide	7039486 9413341	7583572 9625856	8417425 +++++	9061786	Lin2	-1289383.2	9329442.19							0.9980		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-99170-1 Analy Batch No.: 317700

SDG No.: 68099170-1

Instrument ID: CICL GC Column: Dionex AS18 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/28/2014 04:56 Calibration End Date: 02/28/2014 06:22 Calibration ID: 26619

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-317700/1	0228140456-74.d
Level 2	IC 680-317700/2	0228140510-75.d
Level 3	IC 680-317700/3	0228140524-76.d
Level 4	IC 680-317700/4	0228140539-77.d
Level 5	IC 680-317700/5	0228140553-78.d
Level 6	IC 680-317700/6	0228140608-79.d
Level 7	IC 680-317700/7	0228140622-80.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Fluoride	Lin2	3282871 144593295	6842582 276050741	17811108	37462284	74228280	0.100 4.00	0.200 8.00	0.500	1.00	2.00
Chloride	Lin2	9516076 443989916	20315445 1128893582	53367648	109248250	218793547	0.500 20.0	1.00 50.0	2.50	5.00	10.0
Sulfate	Lin2	8066493 328969350	16307757 826026905	42006755	83639453	165010047	0.500 20.0	1.00 50.0	2.50	5.00	10.0
Bromide	Lin2	3519743 192517117	7583572 +++++	21043563	45308930	94133410	0.500 20.0	1.00 +++++	2.50	5.00	10.0

Curve Type Legend:

Lin2 = Linear 1/conc^2

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140456-74.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	1		
Inject. Date:	28-Feb-2014 04:56:00	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-1 1L022714 connie				
Misc. Info.:	6179 3471890				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	28-Feb-2014 12:40:26	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.183	3.192	-0.009	3282871	0.1001	
2 Chloride	4.425	4.425	0.0	9516076	0.5036	
3 Sulfate	5.992	5.975	0.017	8066493	0.4993	
4 Bromide	7.258	7.233	0.025	3519743	0.5181	

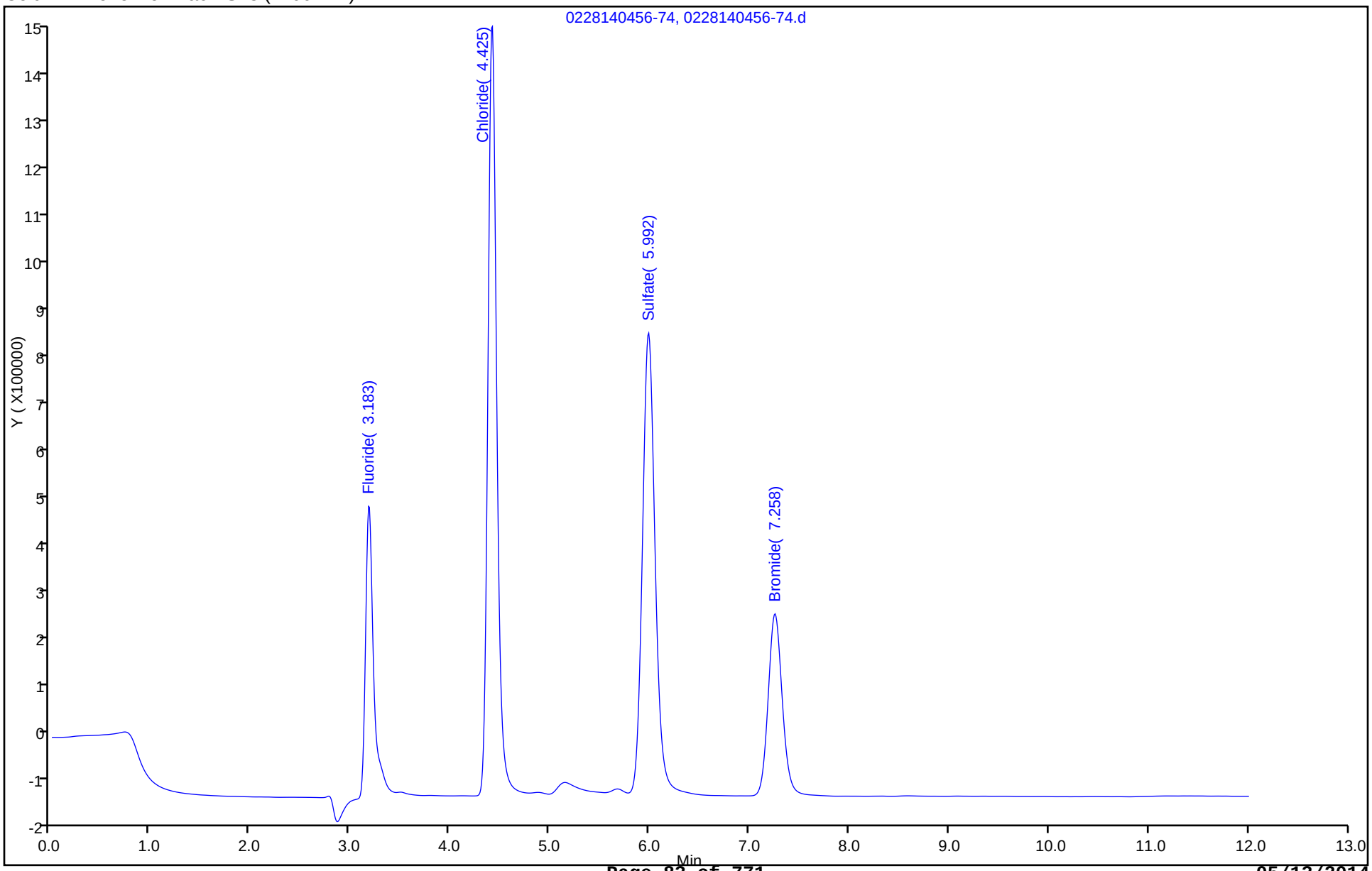
Report Date: 28-Feb-2014 12:40:26 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140456-74.d

Injection Date:	28-Feb-2014 04:56:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	1
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140510-75.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	2		
Inject. Date:	28-Feb-2014 05:10:00	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-2 1L022714 connie				
Misc. Info.:	20506 3471893				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	28-Feb-2014 12:40:26	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.192	0.0	6842582	0.1979	
2 Chloride	4.425	4.425	0.0	20315445	0.9897	
3 Sulfate	5.992	5.975	0.017	16307757	1.00	
4 Bromide	7.258	7.233	0.025	7583572	0.9478	

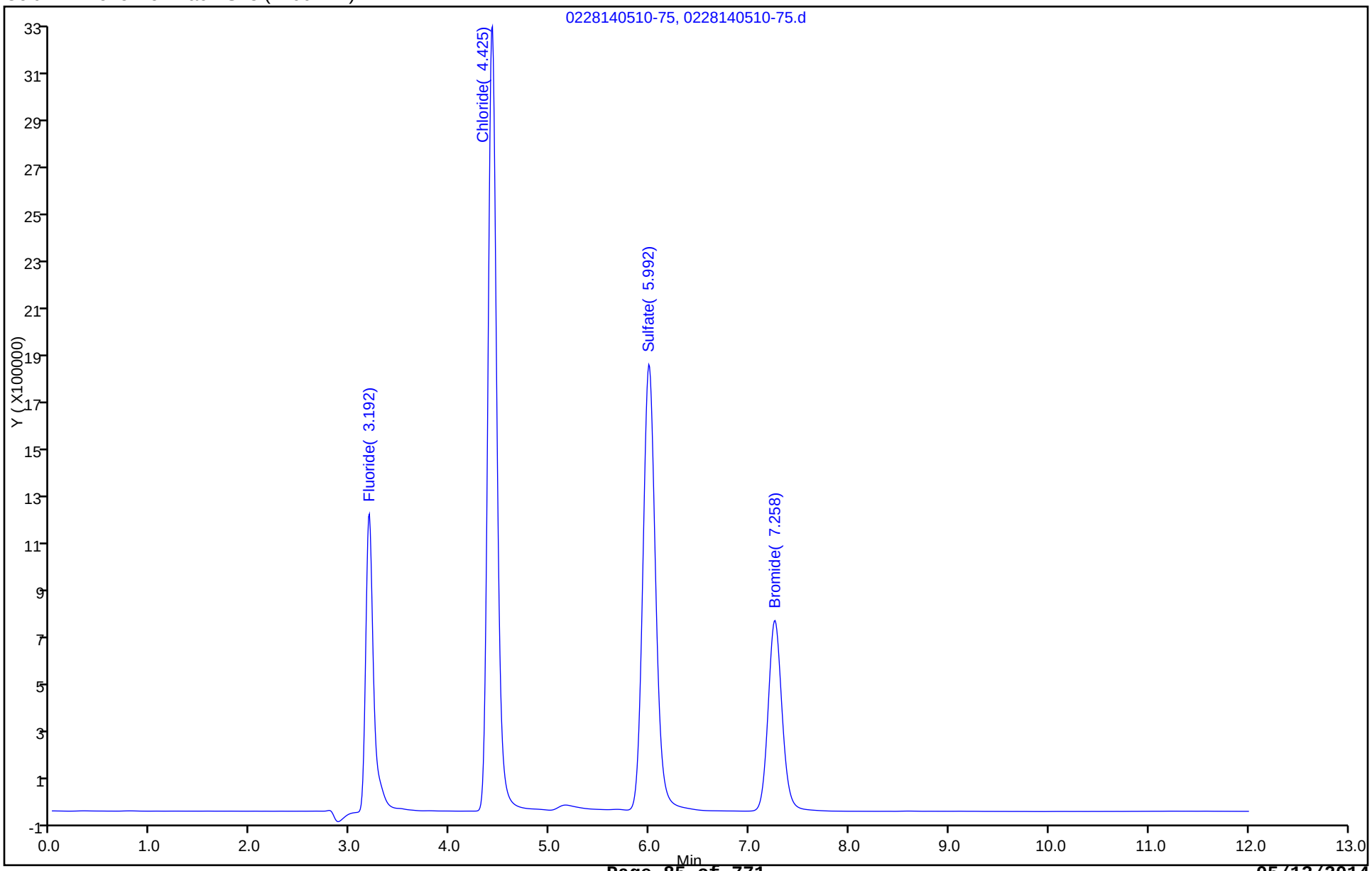
Report Date: 28-Feb-2014 12:40:27 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140510-75.d

Injection Date:	28-Feb-2014 05:10:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	2
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140524-76.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	3		
Inject. Date:	28-Feb-2014 05:24:00	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-3 1L022714 connie				
Misc. Info.:	1808 3471895				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	28-Feb-2014 12:40:27	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.192	0.0	17811108	0.4994	
2 Chloride	4.425	4.425	0.0	53367648	2.48	
3 Sulfate	5.992	5.975	0.017	42006755	2.54	
4 Bromide	7.250	7.233	0.017	21043563	2.37	

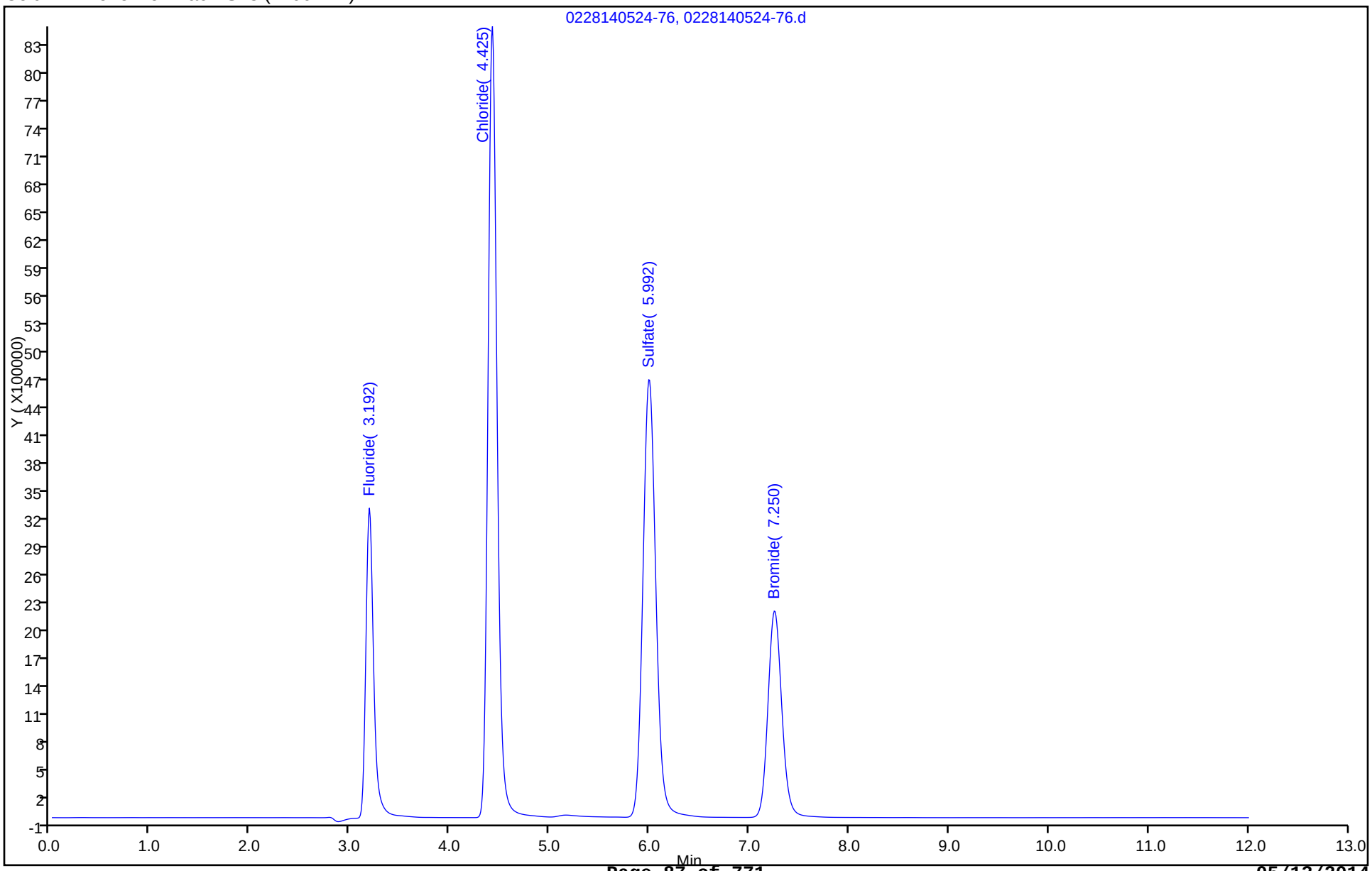
Report Date: 28-Feb-2014 12:40:27 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140524-76.d

Injection Date:	28-Feb-2014 05:24:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	3
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140539-77.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	4		
Inject. Date:	28-Feb-2014 05:39:00	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-4 1L022714 connie				
Misc. Info.:	10322 3471897				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	28-Feb-2014 12:40:27	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.192	0.0	37462284	1.04	
2 Chloride	4.425	4.425	0.0	109248250	4.99	
3 Sulfate	5.992	5.992	0.0	83639453	5.05	
4 Bromide	7.250	7.250	0.0	45308930	4.94	

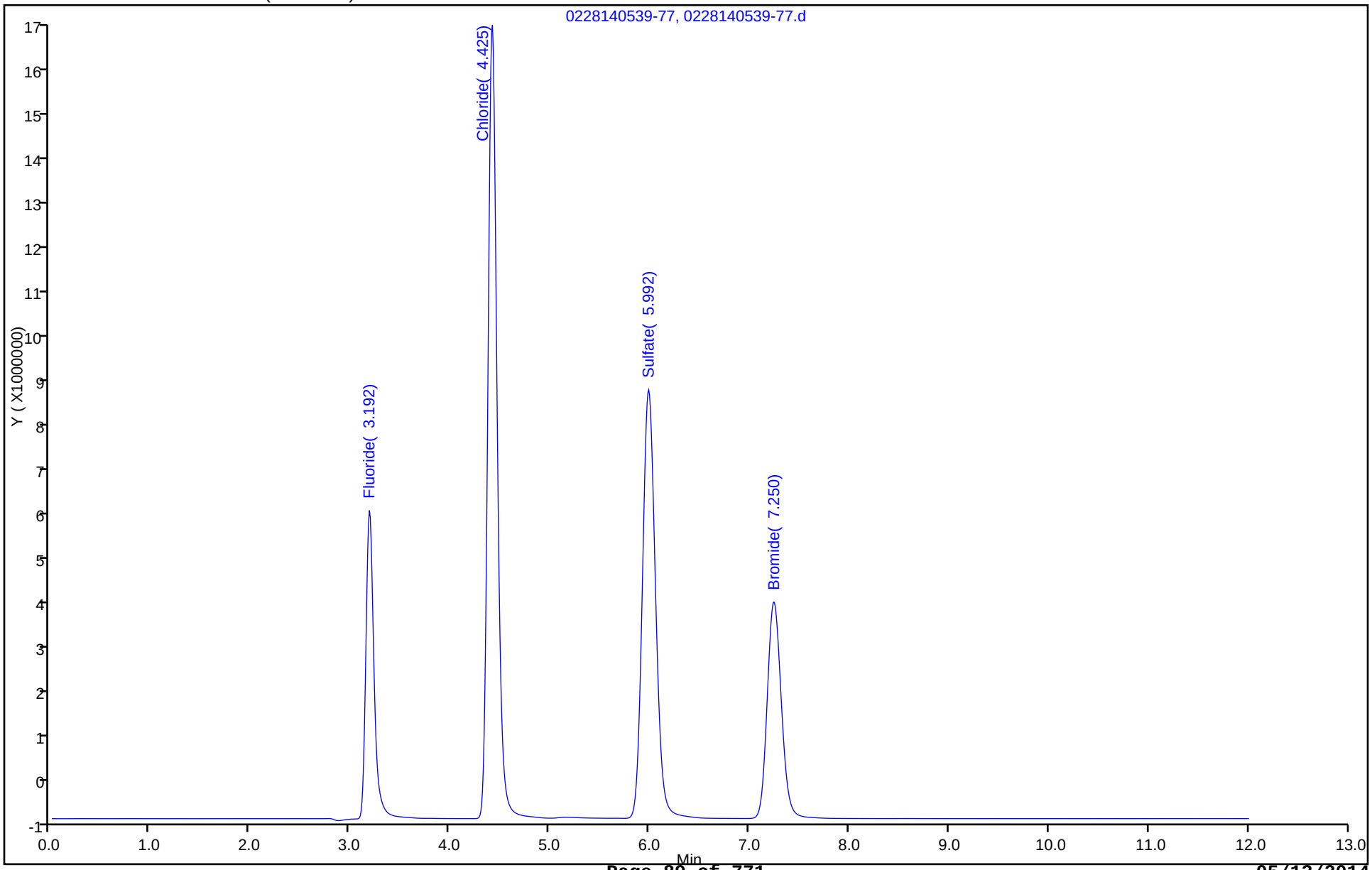
Report Date: 28-Feb-2014 12:40:27 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140539-77.d

Injection Date:	28-Feb-2014 05:39:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140553-78.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	5		
Inject. Date:	28-Feb-2014 05:53:00	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L022714 connie				
Misc. Info.:	2572 3471901				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	28-Feb-2014 12:40:28	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.192	0.0	74228280	2.05	
2 Chloride	4.417	4.425	-0.008	218793547	9.92	
3 Sulfate	5.975	5.992	-0.017	165010047	9.95	
4 Bromide	7.233	7.250	-0.017	94133410	10.1	

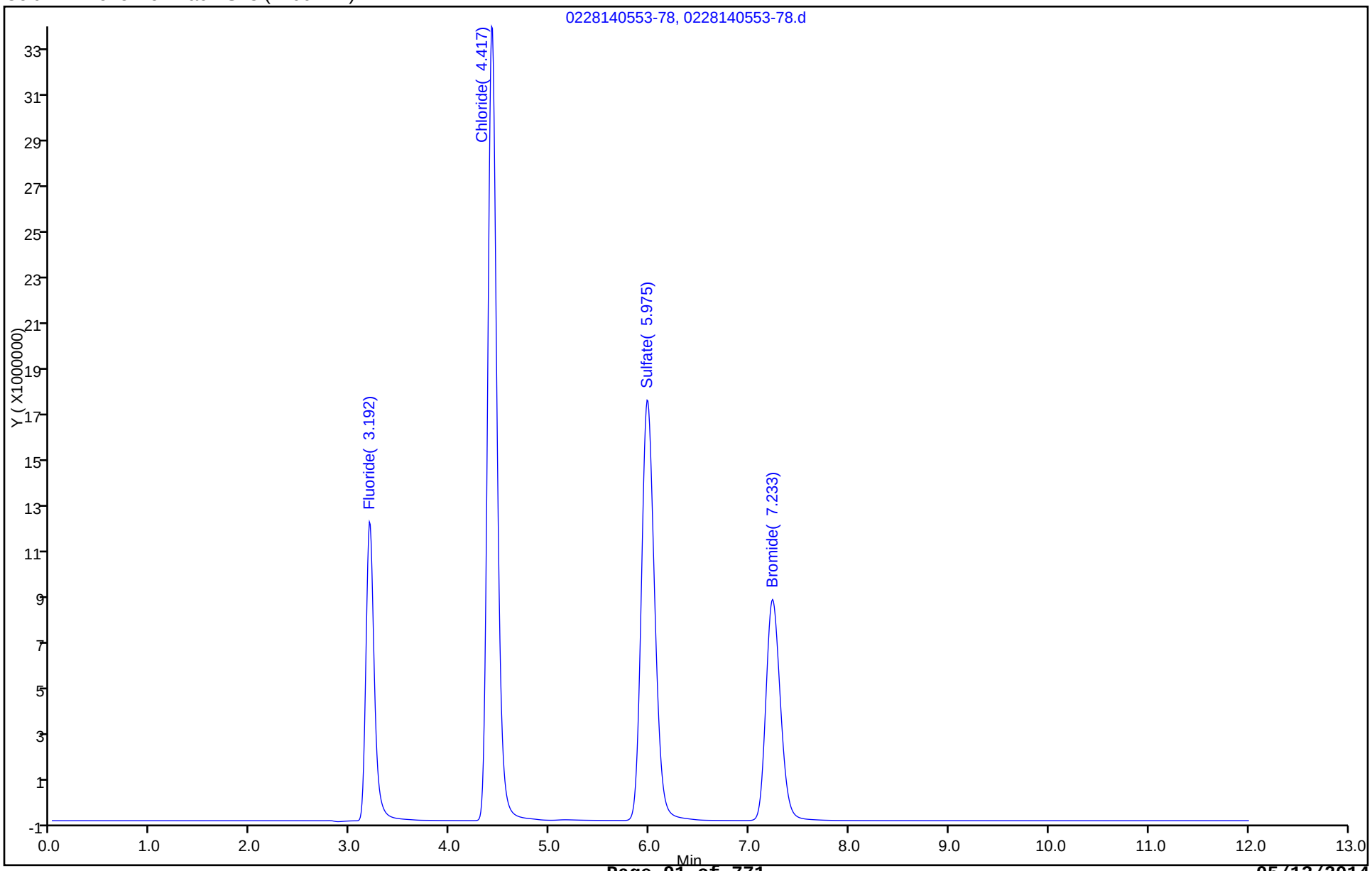
Report Date: 28-Feb-2014 12:40:28 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140553-78.d

Injection Date:	28-Feb-2014 05:53:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	5
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140608-79.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	6		
Inject. Date:	28-Feb-2014 06:08:00	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-6 1L022714 connie				
Misc. Info.:	3212 3471903				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	28-Feb-2014 12:40:28	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.192	0.008	144593295	3.98	
2 Chloride	4.417	4.425	-0.008	443989916	20.1	
3 Sulfate	5.958	5.992	-0.034	328969350	19.8	
4 Bromide	7.208	7.250	-0.042	192517117	20.5	

Report Date: 28-Feb-2014 12:40:28 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140608-79.d

Injection Date: 28-Feb-2014 06:08:00 Instrument ID: CICL Operator ID:

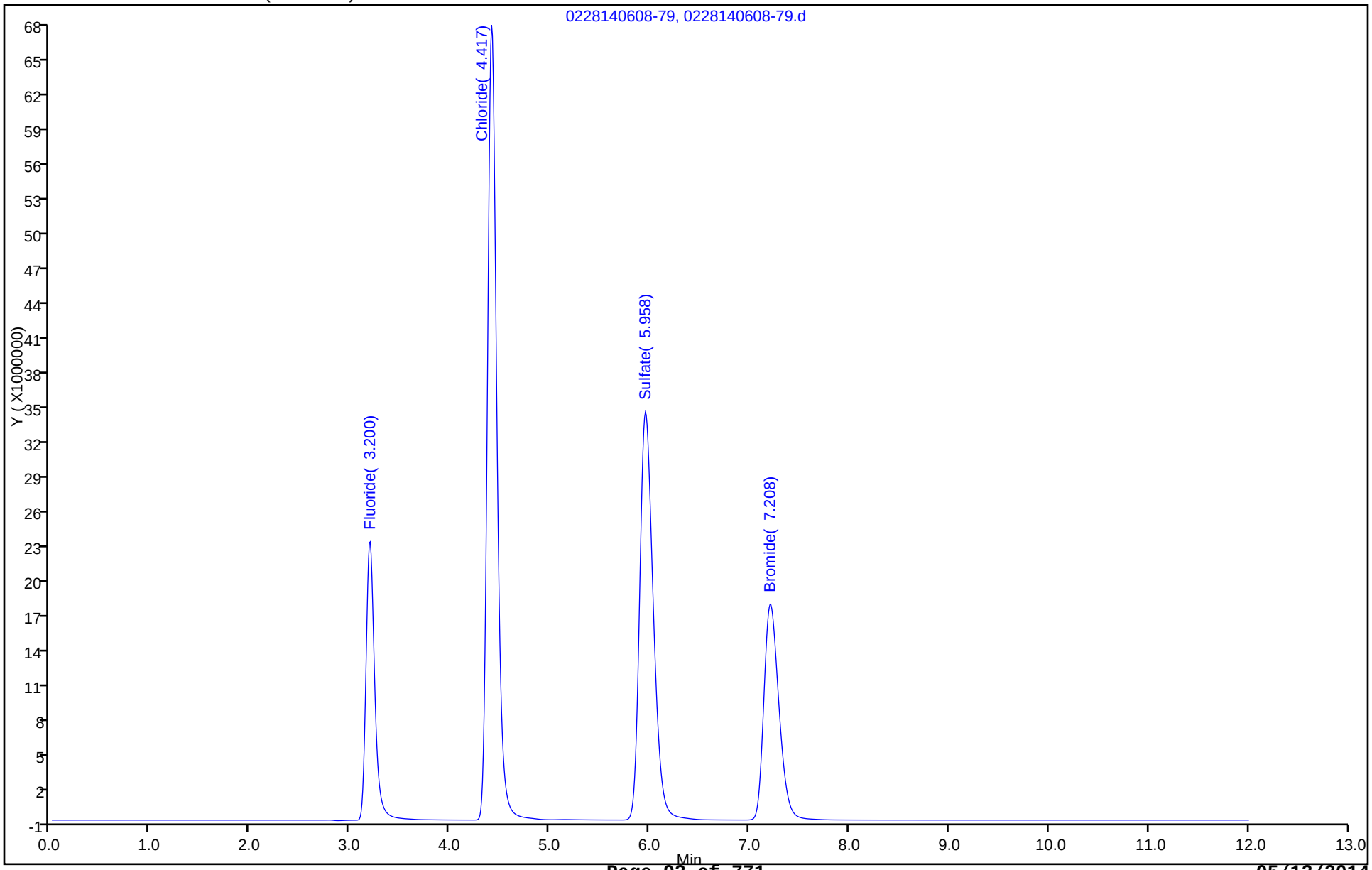
Lims ID: IC Lab Sample ID: Worklist Smp#: 6

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	7		
Inject. Date:	28-Feb-2014 06:22:00	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-7 1L022714 connie				
Misc. Info.:	25968 3471905				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	28-Feb-2014 12:40:28	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.192	0.008	276050741	7.60	
2 Chloride	4.408	4.425	-0.017	1128893582	50.9	
3 Sulfate	5.908	5.992	-0.084	826026905	49.7	
4 Bromide	7.158	7.250	-0.092	492976033	53.0	

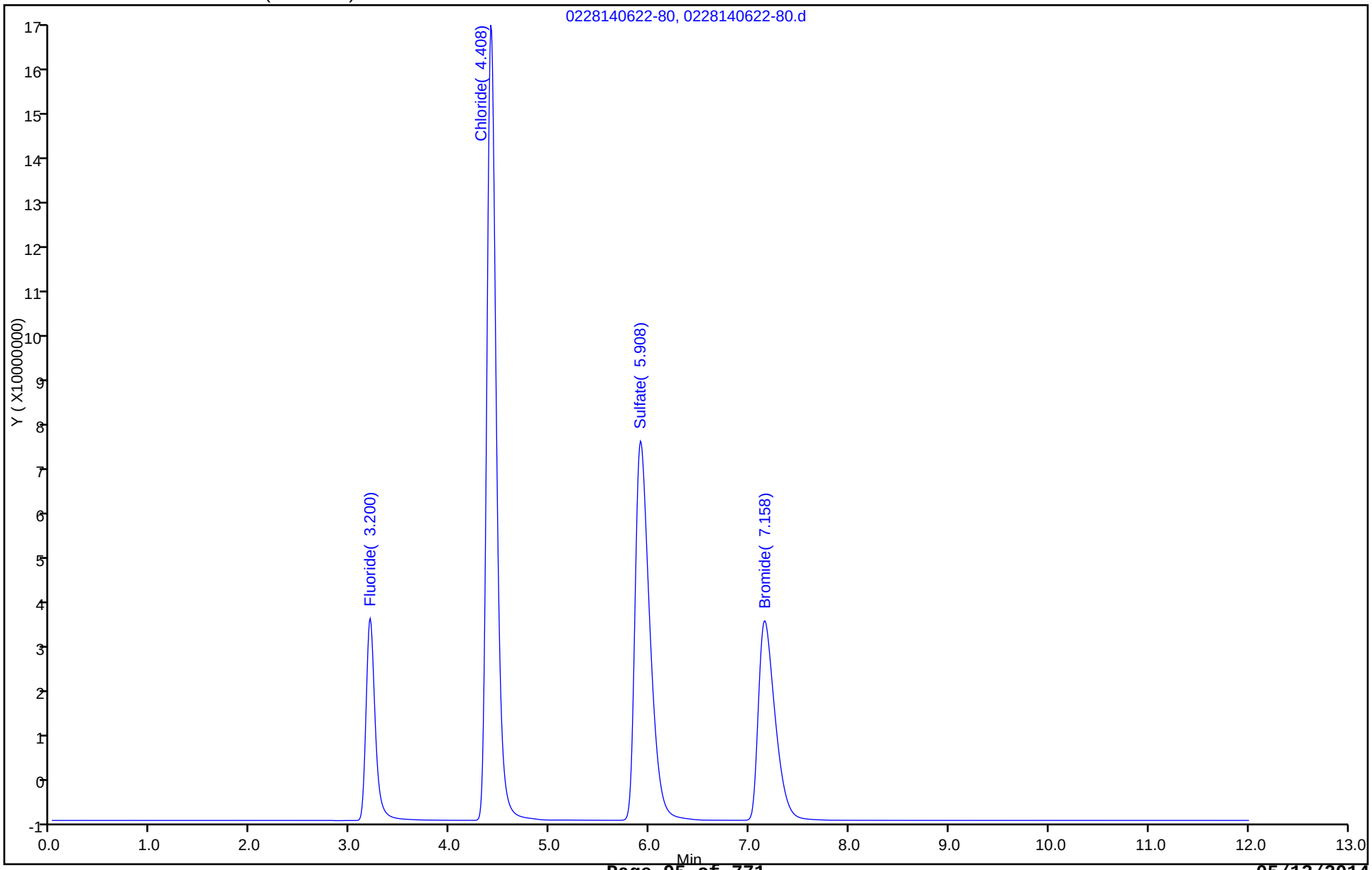
Report Date: 28-Feb-2014 12:40:28 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d

Injection Date:	28-Feb-2014 06:22:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: ICV 680-317700/9 Calibration Date: 02/28/2014 06:51

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0228140651-82.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		36983976		2.04	2.00	2.2	10.0
Chloride	Lin2		21982077		9.97	10.0	-0.3	10.0
Sulfate	Lin2		16805763		10.1	10.0	1.3	10.0
Bromide	Lin2		9394454		10.1	10.0	0.8	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: ICV 680-317700/9 Calibration Date: 02/28/2014 06:51

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0228140651-82.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.19	2.94	3.44
Chloride	4.42	4.18	4.68
Sulfate	5.98	5.74	6.24
Bromide	7.23	7.00	7.50

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140651-82.d				
Lims ID:	ICV	Lab Sample ID:	ICV 680-317700/9-A		
Client ID:					
Sample Type:	ICV				
Inject. Date:	28-Feb-2014 06:51:00	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ICV 1L022714 connie				
Misc. Info.:	4881 3471870				
Operator ID:		Instrument ID:	CICL		
Sublist:					
Method:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	28-Feb-2014 12:40:28	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

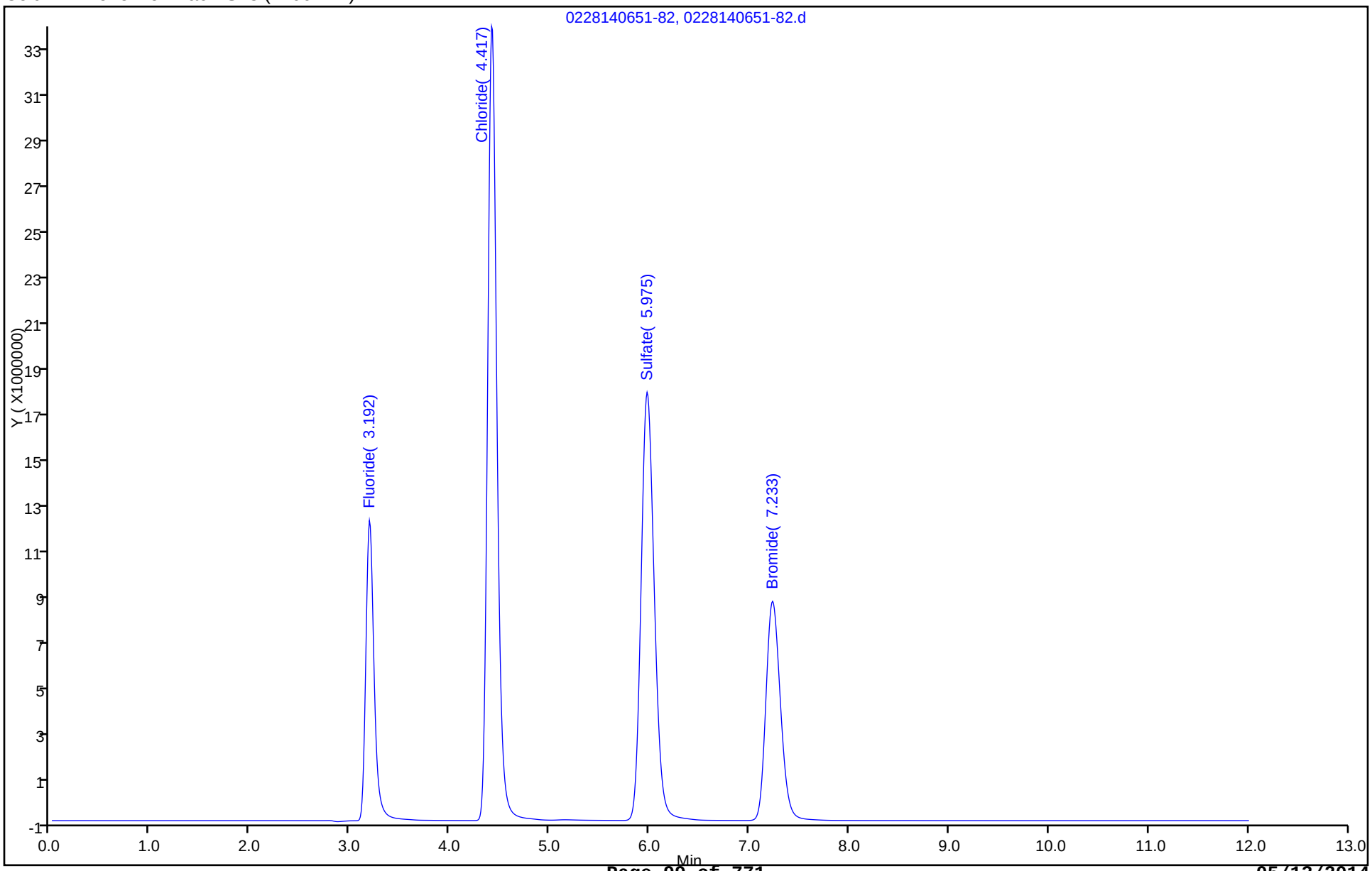
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.192	0.0	73967952	2.04	
2 Chloride	4.417	4.425	-0.008	219820771	9.97	
3 Sulfate	5.975	5.992	-0.017	168057625	10.1	
4 Bromide	7.233	7.250	-0.017	93944544	10.1	

Report Date: 28-Feb-2014 12:40:29 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140651-82.d				
Injection Date:	28-Feb-2014 06:51:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	ICV	Lab Sample ID:	ICV 680-317700/9-A	Worklist Smp#:	9
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319351/45 Calibration Date: 03/12/2014 21:51

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0312142151-45.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		37420609		2.07	2.00	3.4	10.0
Chloride	Lin2		21969212		9.96	10.0	-0.4	10.0
Sulfate	Lin2		16386392		9.88	10.0	-1.2	10.0
Bromide	Lin2		9455926		10.1	10.0	1.4	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319351/45 Calibration Date: 03/12/2014 21:51

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0312142151-45.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.20	2.95	3.45
Chloride	4.42	4.17	4.67
Sulfate	5.93	5.68	6.18
Bromide	7.20	6.95	7.45

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\0312142151-45.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	12-Mar-2014 21:51:00	ALS Bottle#:	0	Worklist Smp#:	45
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L031214 connie				
Misc. Info.:	31193 3471901				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	13-Mar-2014 10:41:53	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	74841218	2.07	
2 Chloride	4.417	4.417	0.0	219692119	9.96	
3 Sulfate	5.933	5.933	0.0	163863924	9.88	
4 Bromide	7.200	7.200	0.0	94559258	10.1	

Report Date: 13-Mar-2014 10:41:54 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140312-7087.b\0312142151-45.d

Injection Date: 12-Mar-2014 21:51:00 Instrument ID: CICL Operator ID:

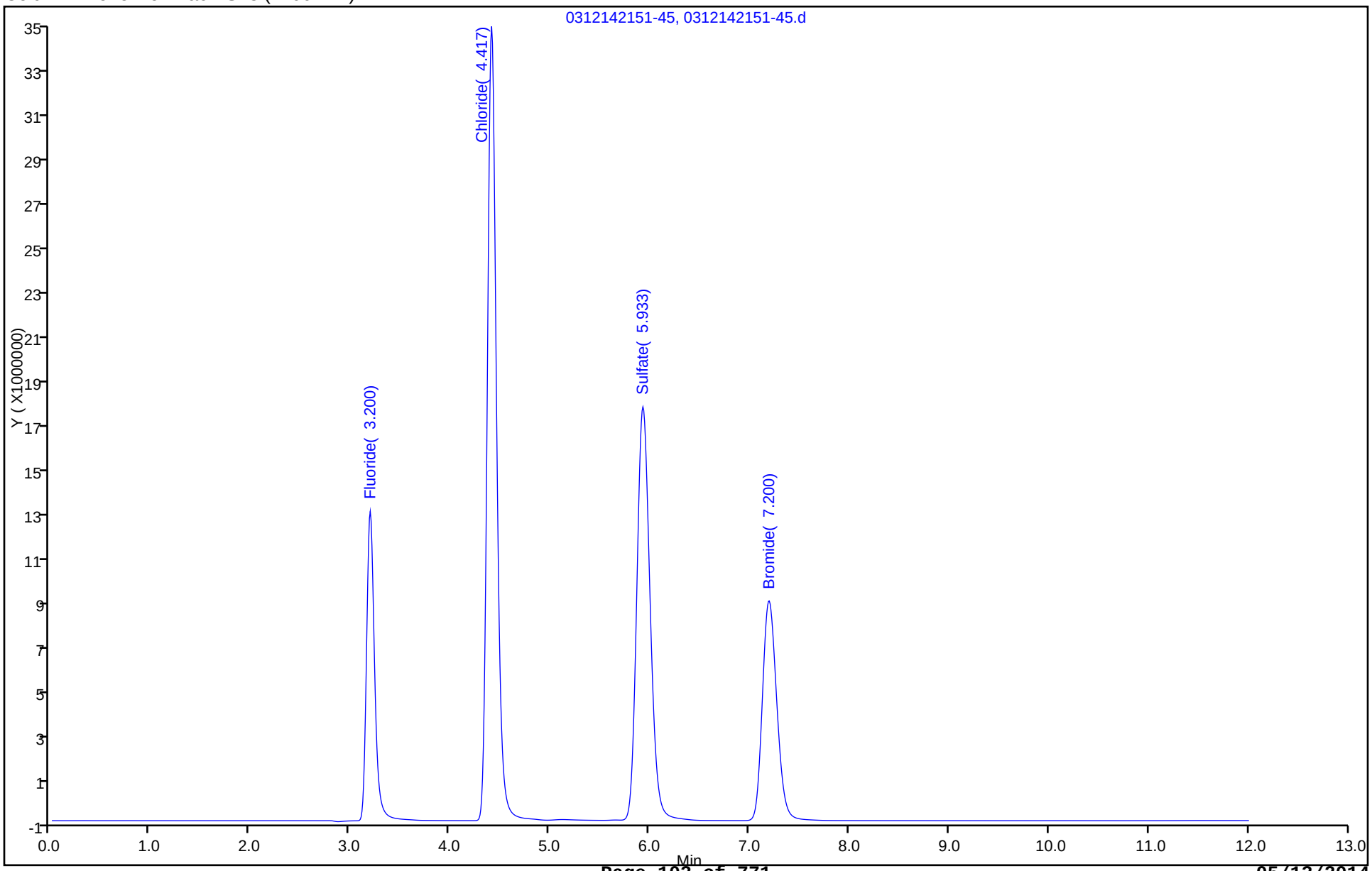
Lims ID: CCV Worklist Smp#: 45

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319351/58 Calibration Date: 03/13/2014 00:59

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0313140059-58.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		37329688		2.06	2.00	3.1	10.0
Chloride	Lin2		22377499		10.1	10.0	1.5	10.0
Sulfate	Lin2		16148125		9.73	10.0	-2.7	10.0
Bromide	Lin2		9464339		10.2	10.0	1.5	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319351/58 Calibration Date: 03/13/2014 00:59

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0313140059-58.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.21	2.96	3.46
Chloride	4.43	4.18	4.68
Sulfate	5.98	5.73	6.23
Bromide	7.23	6.98	7.48

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\0313140059-58.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	13-Mar-2014 00:59:00	ALS Bottle#:	0	Worklist Smp#:	58
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L031214 connie				
Misc. Info.:	8740 3471901				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	13-Mar-2014 10:41:57	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.208	3.208	0.0	74659375	2.06	
2 Chloride	4.433	4.433	0.0	223774992	10.1	
3 Sulfate	5.983	5.983	0.0	161481253	9.73	
4 Bromide	7.233	7.233	0.0	94643385	10.2	

Report Date: 13-Mar-2014 10:41:58 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140312-7087.b\0313140059-58.d

Injection Date: 13-Mar-2014 00:59:00 Instrument ID: CICL Operator ID:

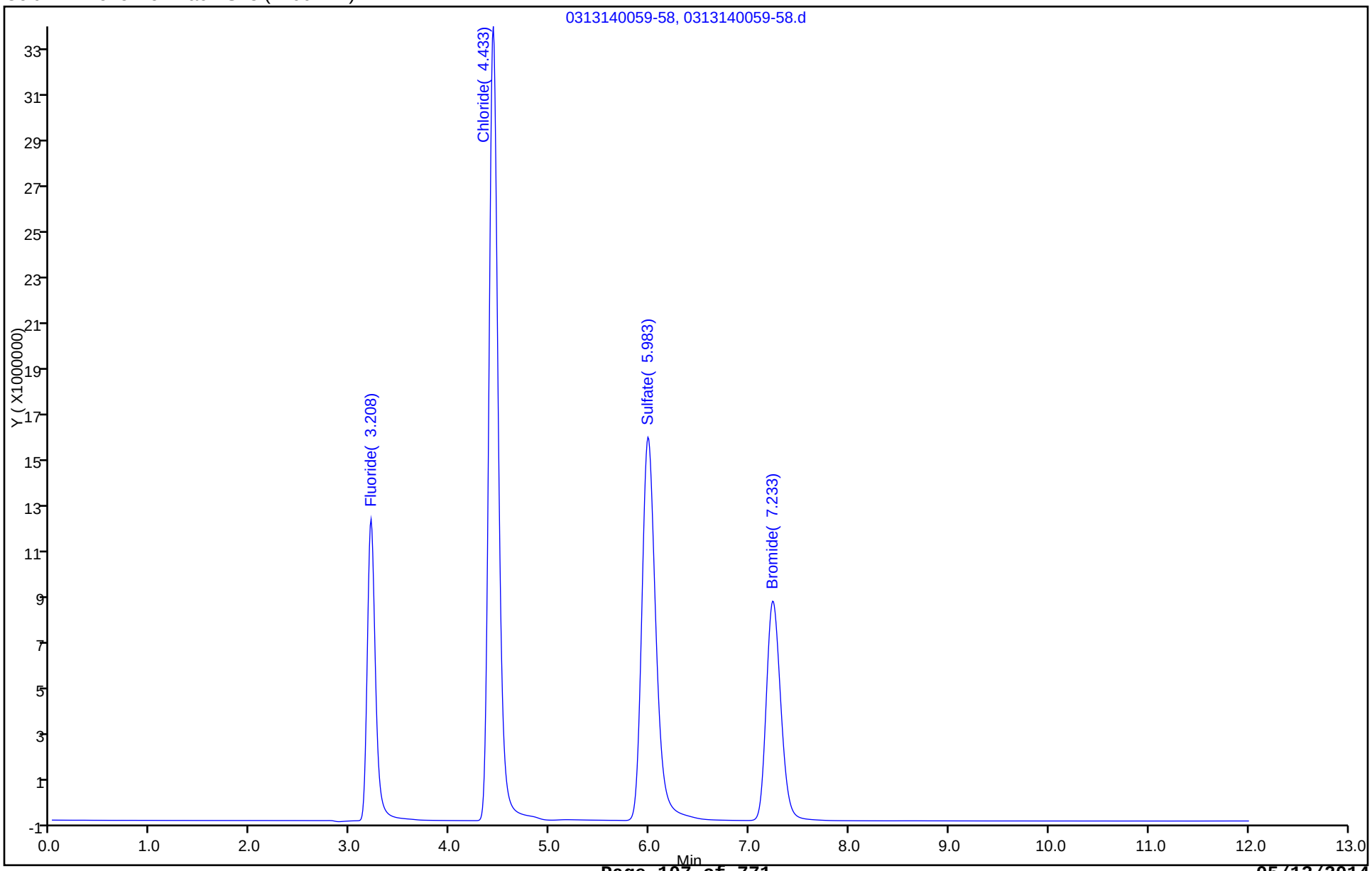
Lims ID: CCV Worklist Smp#: 58

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319563/31 Calibration Date: 03/13/2014 22:10

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0313142210-31.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		37062177		2.05	2.00	2.4	10.0
Chloride	Lin2		21695152		9.84	10.0	-1.6	10.0
Sulfate	Lin2		16207979		9.77	10.0	-2.3	10.0
Bromide	Lin2		9337423		10.0	10.0	0.2	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319563/31 Calibration Date: 03/13/2014 22:10

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0313142210-31.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.20	2.95	3.45
Chloride	4.43	4.18	4.68
Sulfate	5.98	5.73	6.23
Bromide	7.23	6.98	7.48

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0313142210-31.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	13-Mar-2014 22:10:00	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L031314 connie				
Misc. Info.:	15208 3471901				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	14-Mar-2014 10:12:28	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK010				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	74124353	2.05	
2 Chloride	4.425	4.425	0.0	216951524	9.84	
3 Sulfate	5.975	5.975	0.0	162079787	9.77	
4 Bromide	7.225	7.225	0.0	93374225	10.0	

Report Date: 14-Mar-2014 10:12:28 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140313-7140.b\0313142210-31.d

Injection Date: 13-Mar-2014 22:10:00 Instrument ID: CICL Operator ID:

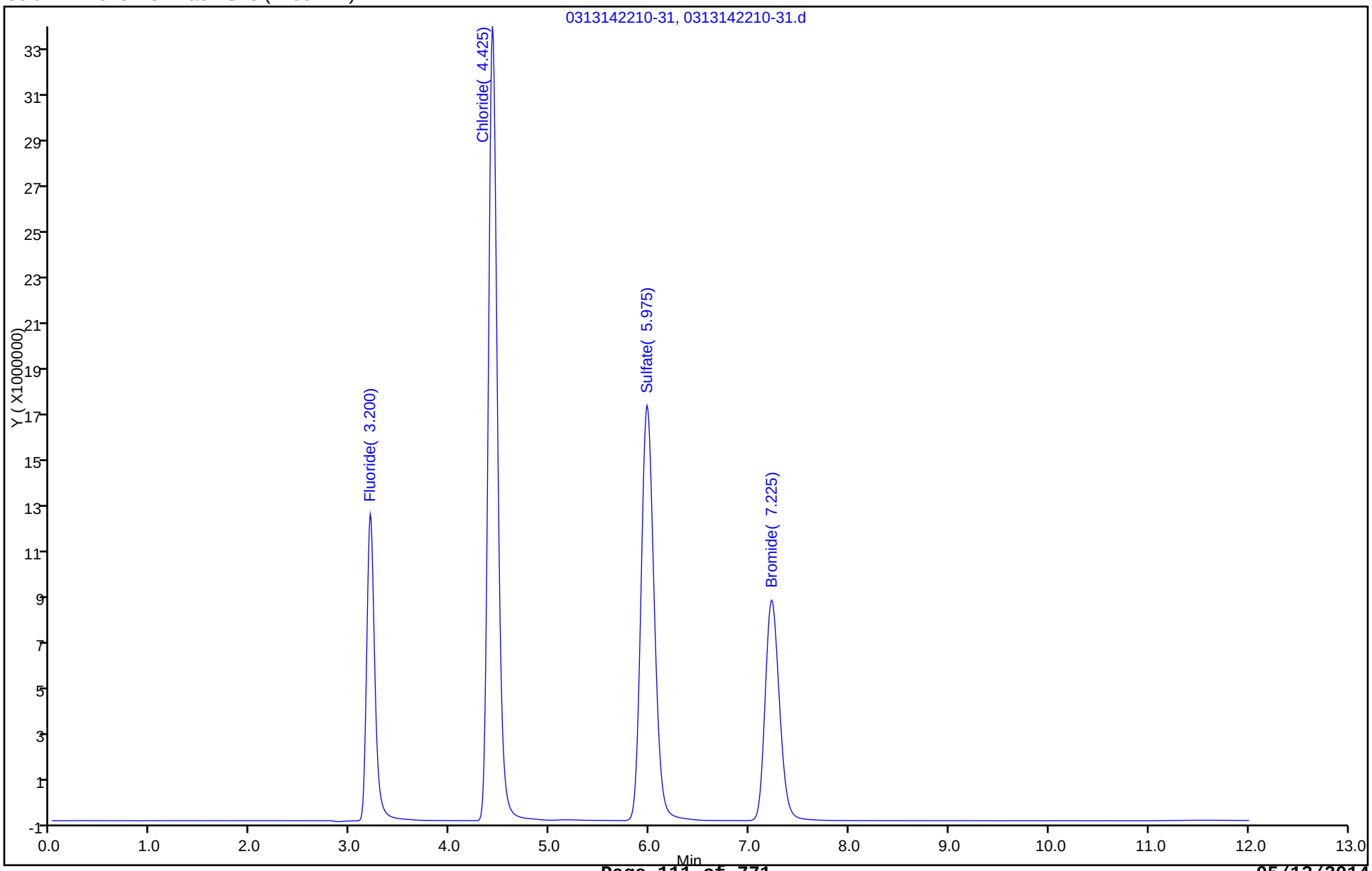
Lims ID: CCV Worklist Smp#: 31

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319563/45 Calibration Date: 03/14/2014 01:32

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0314140132-45.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		37375497		2.06	2.00	3.2	10.0
Chloride	Lin2		21967081		9.96	10.0	-0.4	10.0
Sulfate	Lin2		16431272		9.90	10.0	-1.0	10.0
Bromide	Lin2		9443090		10.1	10.0	1.3	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319563/45 Calibration Date: 03/14/2014 01:32

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0314140132-45.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.20	2.95	3.45
Chloride	4.43	4.18	4.68
Sulfate	5.98	5.73	6.23
Bromide	7.23	6.98	7.48

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0314140132-45.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	14-Mar-2014 01:32:00	ALS Bottle#:	0	Worklist Smp#:	45
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L031314 connie				
Misc. Info.:	22563 3471901				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	14-Mar-2014 10:12:32	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK010				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	74750993	2.06	
2 Chloride	4.425	4.425	0.0	219670806	9.96	
3 Sulfate	5.975	5.975	0.0	164312723	9.90	
4 Bromide	7.225	7.225	0.0	94430897	10.1	

Report Date: 14-Mar-2014 10:12:32 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140313-7140.b\0314140132-45.d

Injection Date: 14-Mar-2014 01:32:00 Instrument ID: CICL Operator ID:

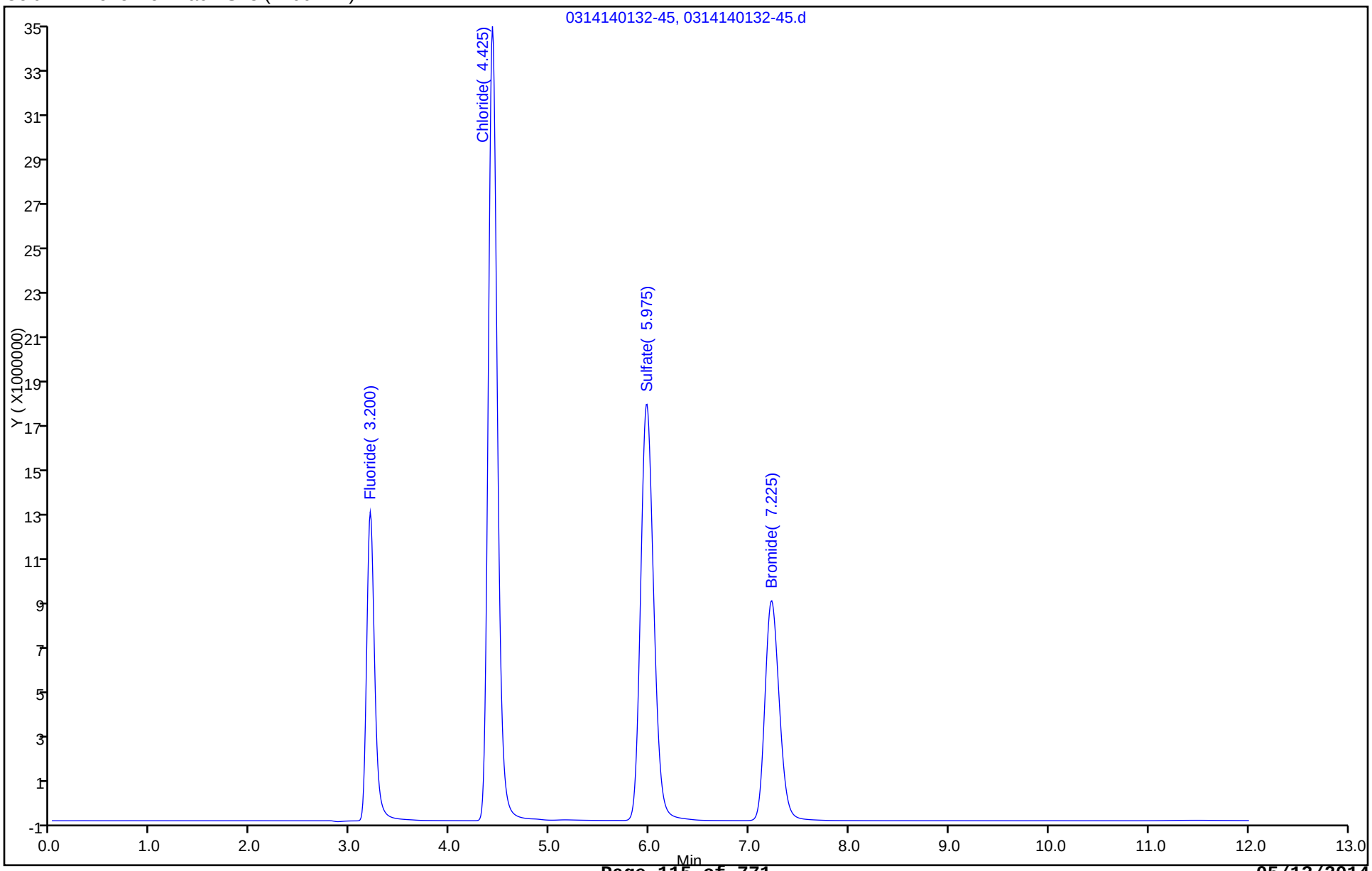
Lims ID: CCV Worklist Smp#: 45

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319563/57 Calibration Date: 03/14/2014 04:25

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0314140425-57.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		37622356		2.08	2.00	3.9	10.0
Chloride	Lin2		22049295		10.0	10.0	0.0	10.0
Sulfate	Lin2		16515078		9.95	10.0	-0.5	10.0
Bromide	Lin2		9481334		10.2	10.0	1.7	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319563/57 Calibration Date: 03/14/2014 04:25

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0314140425-57.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.20	2.95	3.45
Chloride	4.43	4.18	4.68
Sulfate	5.97	5.72	6.22
Bromide	7.22	6.97	7.47

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0314140425-57.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	14-Mar-2014 04:25:00	ALS Bottle#:	0	Worklist Smp#:	57
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L031314 connie				
Misc. Info.:	32681 3471901				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	14-Mar-2014 10:12:35	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK010				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	75244711	2.08	
2 Chloride	4.425	4.425	0.0	220492947	10.0	
3 Sulfate	5.967	5.967	0.0	165150782	9.95	
4 Bromide	7.217	7.217	0.0	94813335	10.2	

Report Date: 14-Mar-2014 10:12:35 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140313-7140.b\0314140425-57.d

Injection Date: 14-Mar-2014 04:25:00 Instrument ID: CICL Operator ID:

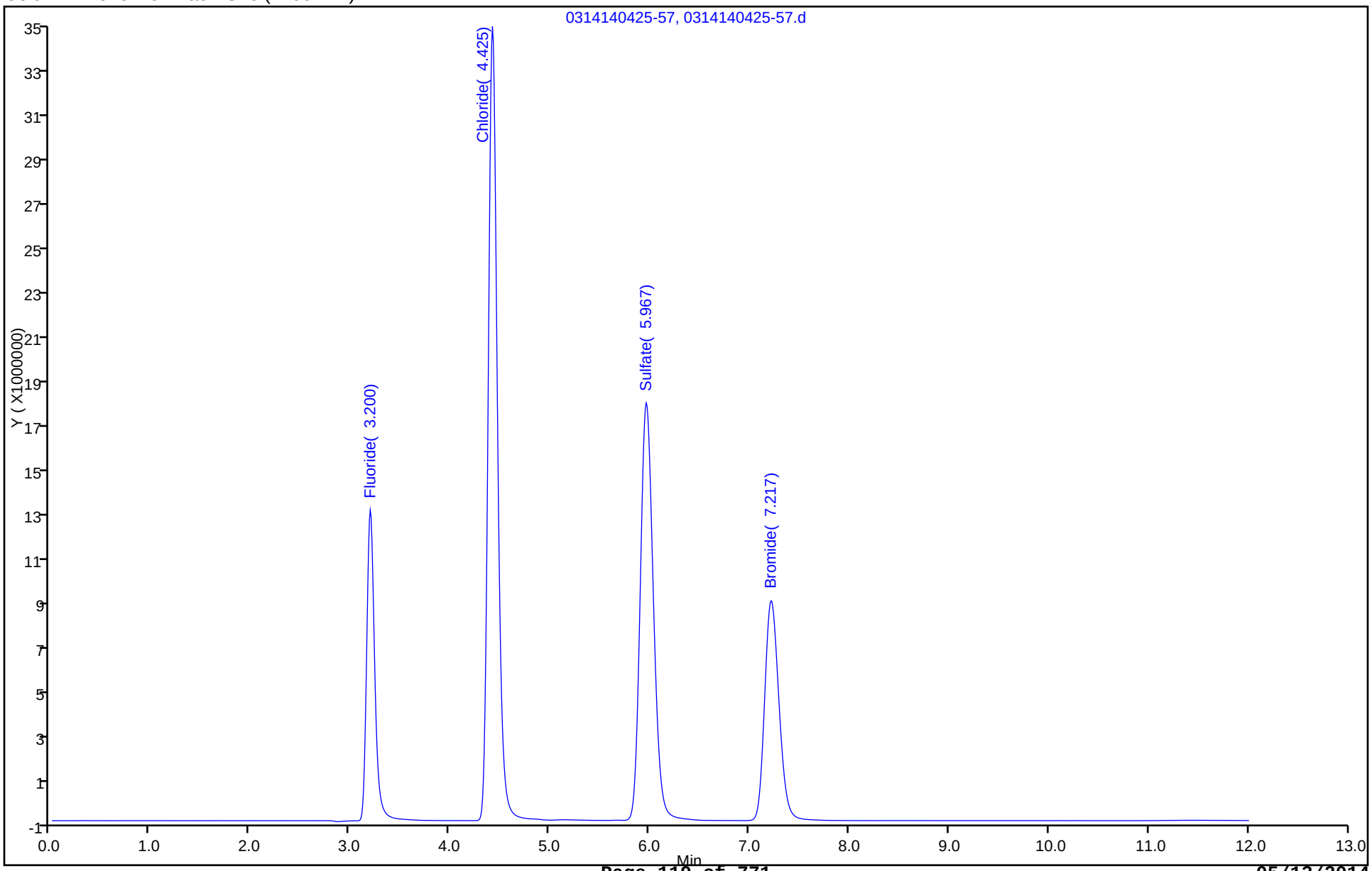
Lims ID: CCV Worklist Smp#: 57

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319653/4 Calibration Date: 03/14/2014 11:40

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0314141140-4.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		37380056		2.06	2.00	3.2	10.0
Chloride	Lin2		21583001		9.79	10.0	-2.1	10.0
Sulfate	Lin2		16796078		10.1	10.0	1.2	10.0
Bromide	Lin2		9298355		9.98	10.0	-0.2	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319653/4 Calibration Date: 03/14/2014 11:40

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0314141140-4.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.20	2.95	3.45
Chloride	4.43	4.18	4.68
Sulfate	5.97	5.72	6.22
Bromide	7.21	6.96	7.46

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141140-4.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	14-Mar-2014 11:40:00	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L031414 connie				
Misc. Info.:	4 3471901				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:23	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	74760111	2.06	
2 Chloride	4.425	4.425	0.0	215830011	9.79	
3 Sulfate	5.967	5.967	0.0	167960775	10.1	
4 Bromide	7.208	7.208	0.0	92983548	9.98	

Report Date: 18-Mar-2014 09:47:23 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141140-4.d

Injection Date: 14-Mar-2014 11:40:00 Instrument ID: CICL Operator ID:

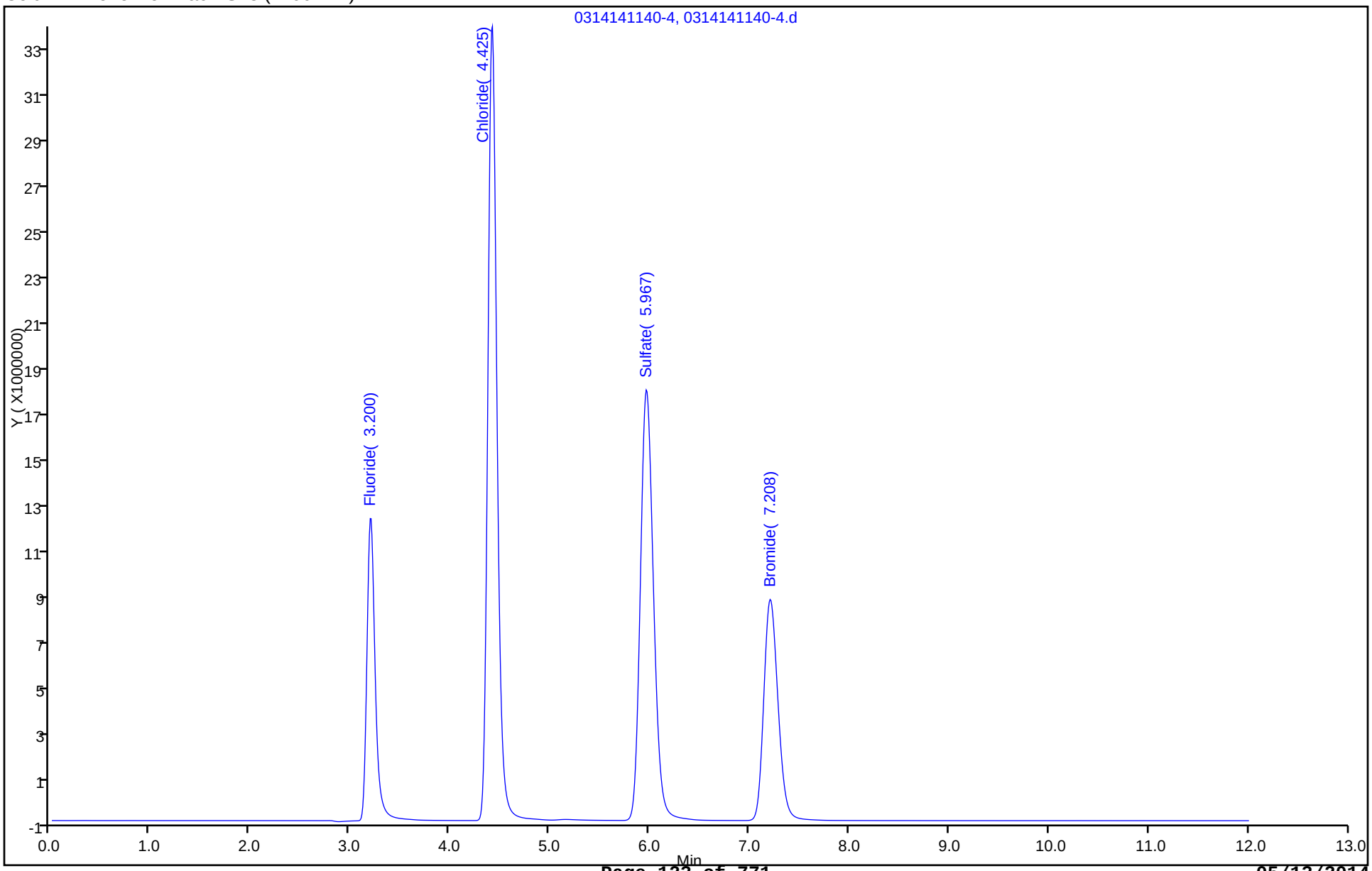
Lims ID: CCV Worklist Smp#: 4

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319653/16 Calibration Date: 03/14/2014 14:33

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0314141433-16.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		37601498		2.08	2.00	3.9	10.0
Chloride	Lin2		21992991		9.98	10.0	-0.2	10.0
Sulfate	Lin2		16595486		10.0	10.0	0.0	10.0
Bromide	Lin2		9469976		10.2	10.0	1.6	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319653/16 Calibration Date: 03/14/2014 14:33

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0314141433-16.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.20	2.95	3.45
Chloride	4.43	4.18	4.68
Sulfate	5.97	5.72	6.22
Bromide	7.21	6.96	7.46

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141433-16.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	14-Mar-2014 14:33:00	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5~1L031414 connie				
Misc. Info.:	15283 3471901				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:26	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	75202995	2.08	
2 Chloride	4.425	4.425	0.0	219929914	9.98	
3 Sulfate	5.967	5.967	0.0	165954860	10.0	
4 Bromide	7.208	7.208	0.0	94699756	10.2	

Report Date: 18-Mar-2014 09:47:26 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141433-16.d

Injection Date: 14-Mar-2014 14:33:00 Instrument ID: CICL Operator ID:

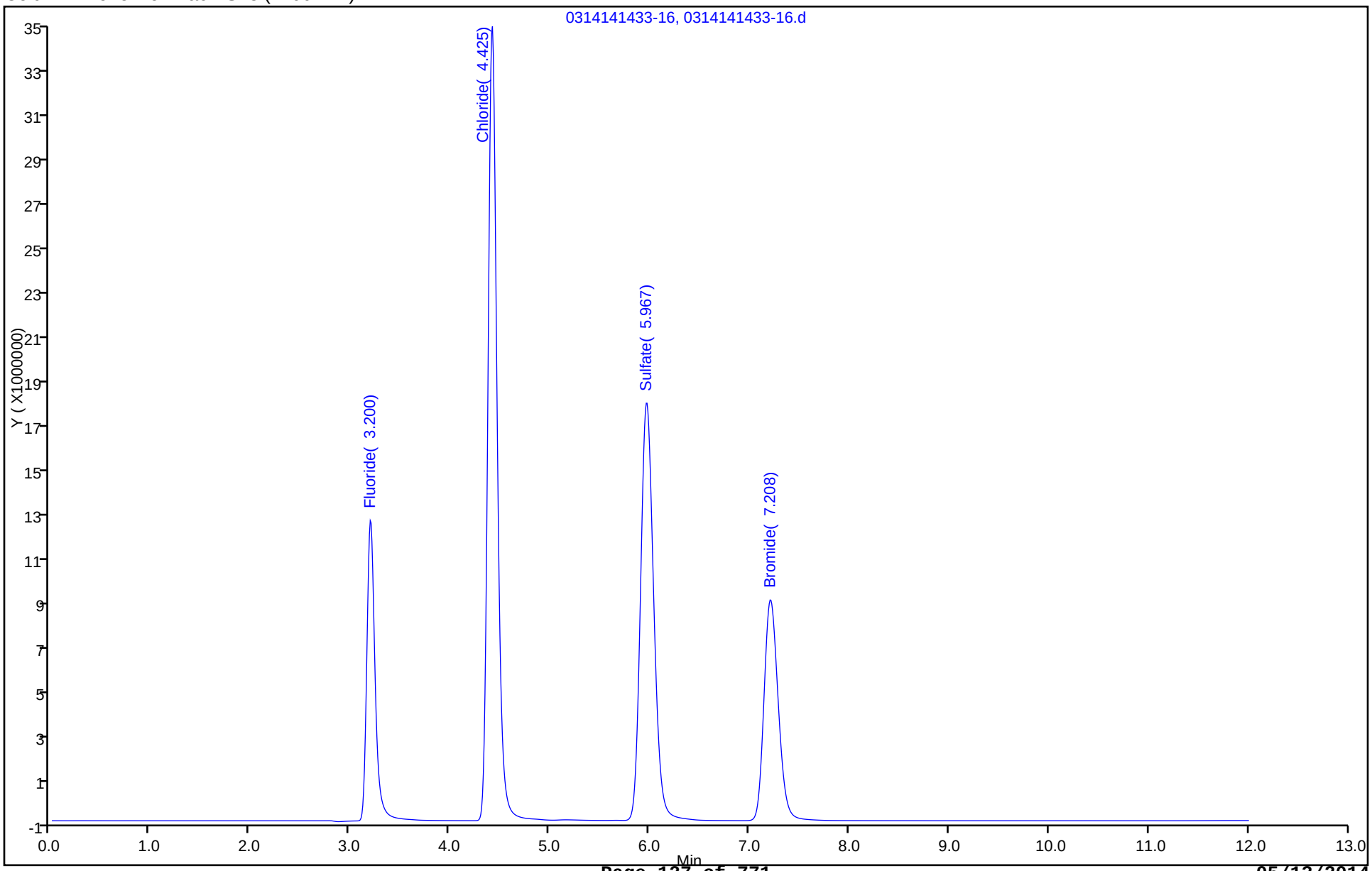
Lims ID: CCV Worklist Smp#: 16

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319653/24 Calibration Date: 03/14/2014 16:28

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0314141628-24.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		37716523		2.08	2.00	4.2	10.0
Chloride	Lin2		21995575		9.98	10.0	-0.2	10.0
Sulfate	Lin2		16748865		10.1	10.0	0.9	10.0
Bromide	Lin2		9461156		10.1	10.0	1.5	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319653/24 Calibration Date: 03/14/2014 16:28

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0314141628-24.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.20	2.95	3.45
Chloride	4.43	4.18	4.68
Sulfate	5.97	5.72	6.22
Bromide	7.22	6.97	7.47

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141628-24.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	14-Mar-2014 16:28:00	ALS Bottle#:	0	Worklist Smp#:	24
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L031414 connie				
Misc. Info.:	3868 3471901				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:28	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	75433046	2.08	
2 Chloride	4.425	4.425	0.0	219955746	9.98	
3 Sulfate	5.967	5.967	0.0	167488648	10.1	
4 Bromide	7.217	7.217	0.0	94611562	10.1	

Report Date: 18-Mar-2014 09:47:28 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141628-24.d

Injection Date: 14-Mar-2014 16:28:00 Instrument ID: CICL Operator ID:

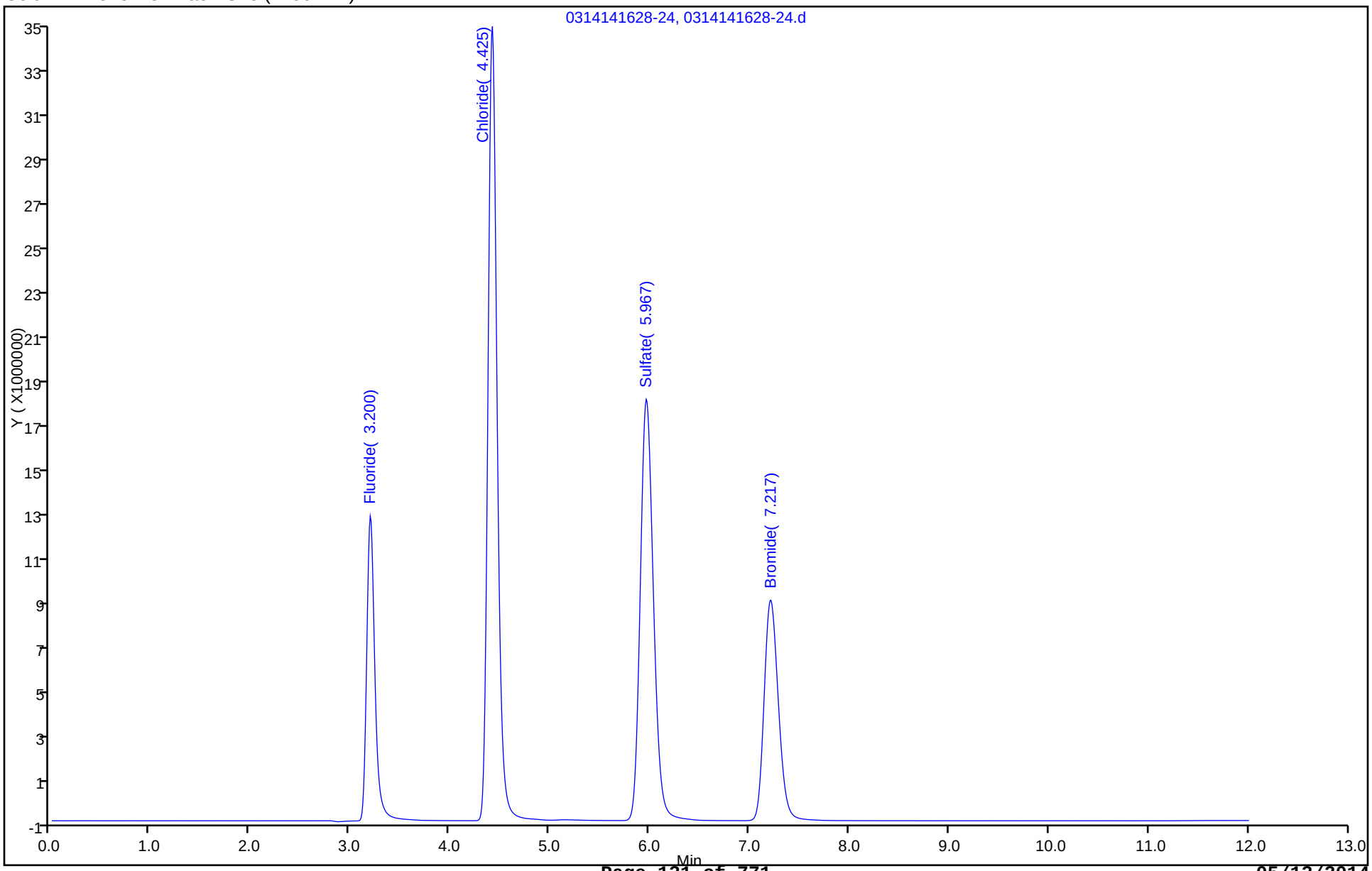
Lims ID: CCV Worklist Smp#: 24

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319688/43 Calibration Date: 03/14/2014 21:02

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0314142102-43.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		37171140		2.05	2.00	2.7	10.0
Chloride	Lin2		21656499		9.82	10.0	-1.8	10.0
Sulfate	Lin2		15947967		9.61	10.0	-3.9	10.0
Bromide	Lin2		9321174		10.0	10.0	0.0	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319688/43 Calibration Date: 03/14/2014 21:02

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0314142102-43.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.20	2.95	3.45
Chloride	4.43	4.18	4.68
Sulfate	5.97	5.72	6.22
Bromide	7.21	6.96	7.46

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314142102-43.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	14-Mar-2014 21:02:00	ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L031414 connie				
Misc. Info.:	22516 3471901				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:34	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	74342279	2.05	
2 Chloride	4.425	4.425	0.0	216564990	9.82	
3 Sulfate	5.967	5.967	0.0	159479673	9.61	
4 Bromide	7.208	7.208	0.0	93211743	10.0	

Report Date: 18-Mar-2014 09:47:34 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0314142102-43.d

Injection Date: 14-Mar-2014 21:02:00 Instrument ID: CICL Operator ID:

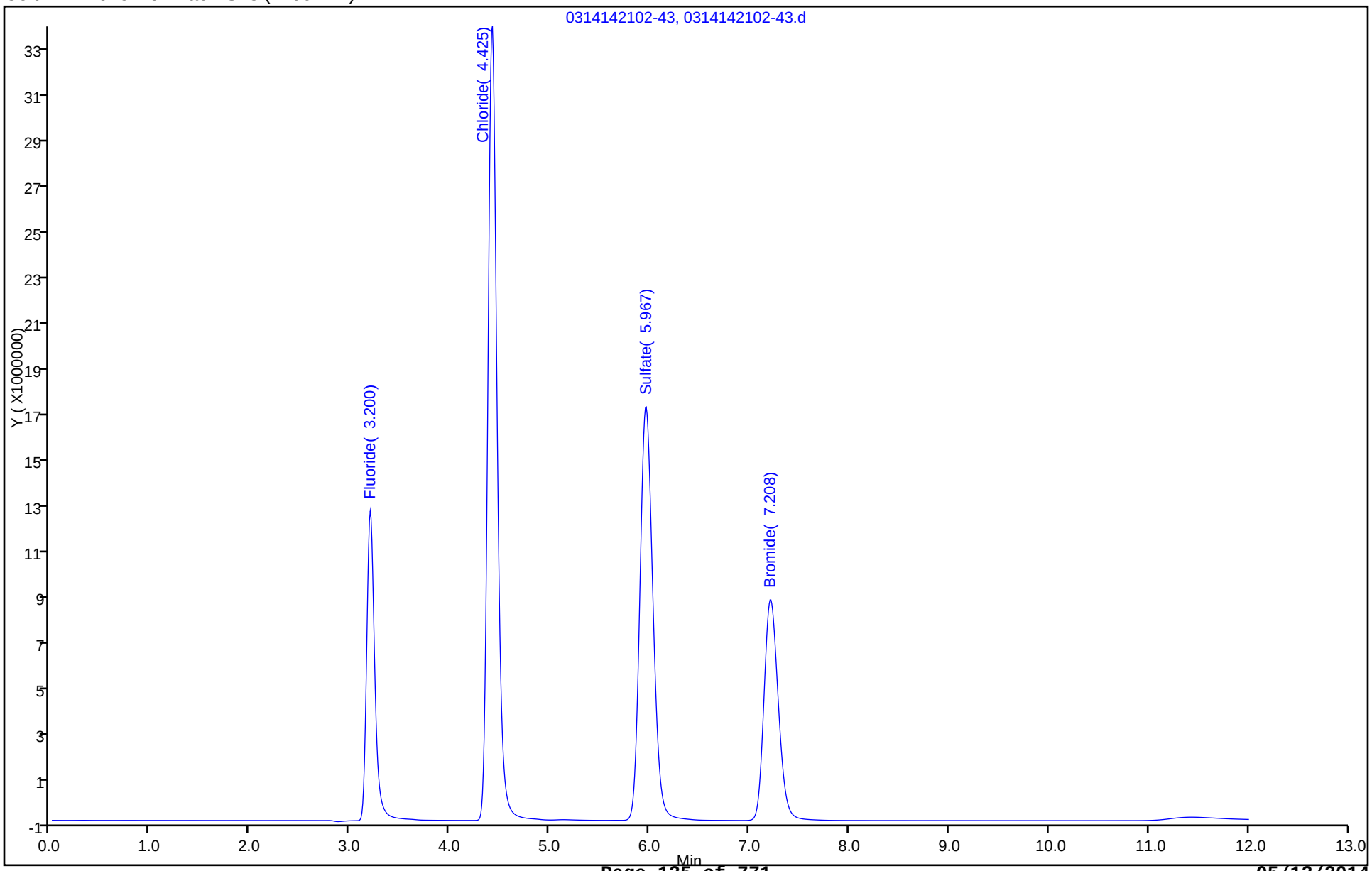
Lims ID: CCV Worklist Smp#: 43

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319688/57 Calibration Date: 03/15/2014 00:24

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0315140024-57.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		36774541		2.03	2.00	1.6	10.0
Chloride	Lin2		21813412		9.89	10.0	-1.1	10.0
Sulfate	Lin2		16063164		9.68	10.0	-3.2	10.0
Bromide	Lin2		9383415		10.1	10.0	0.7	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319688/57 Calibration Date: 03/15/2014 00:24

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0315140024-57.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.20	2.95	3.45
Chloride	4.43	4.18	4.68
Sulfate	5.97	5.72	6.22
Bromide	7.22	6.97	7.47

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0315140024-57.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	15-Mar-2014 00:24:00	ALS Bottle#:	0	Worklist Smp#:	57
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L031414 connie				
Misc. Info.:	18263 3471901				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:38	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	73549082	2.03	
2 Chloride	4.425	4.425	0.0	218134120	9.89	
3 Sulfate	5.967	5.967	0.0	160631641	9.68	
4 Bromide	7.217	7.217	0.0	93834146	10.1	

Report Date: 18-Mar-2014 09:47:38 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0315140024-57.d

Injection Date: 15-Mar-2014 00:24:00 Instrument ID: CICL Operator ID:

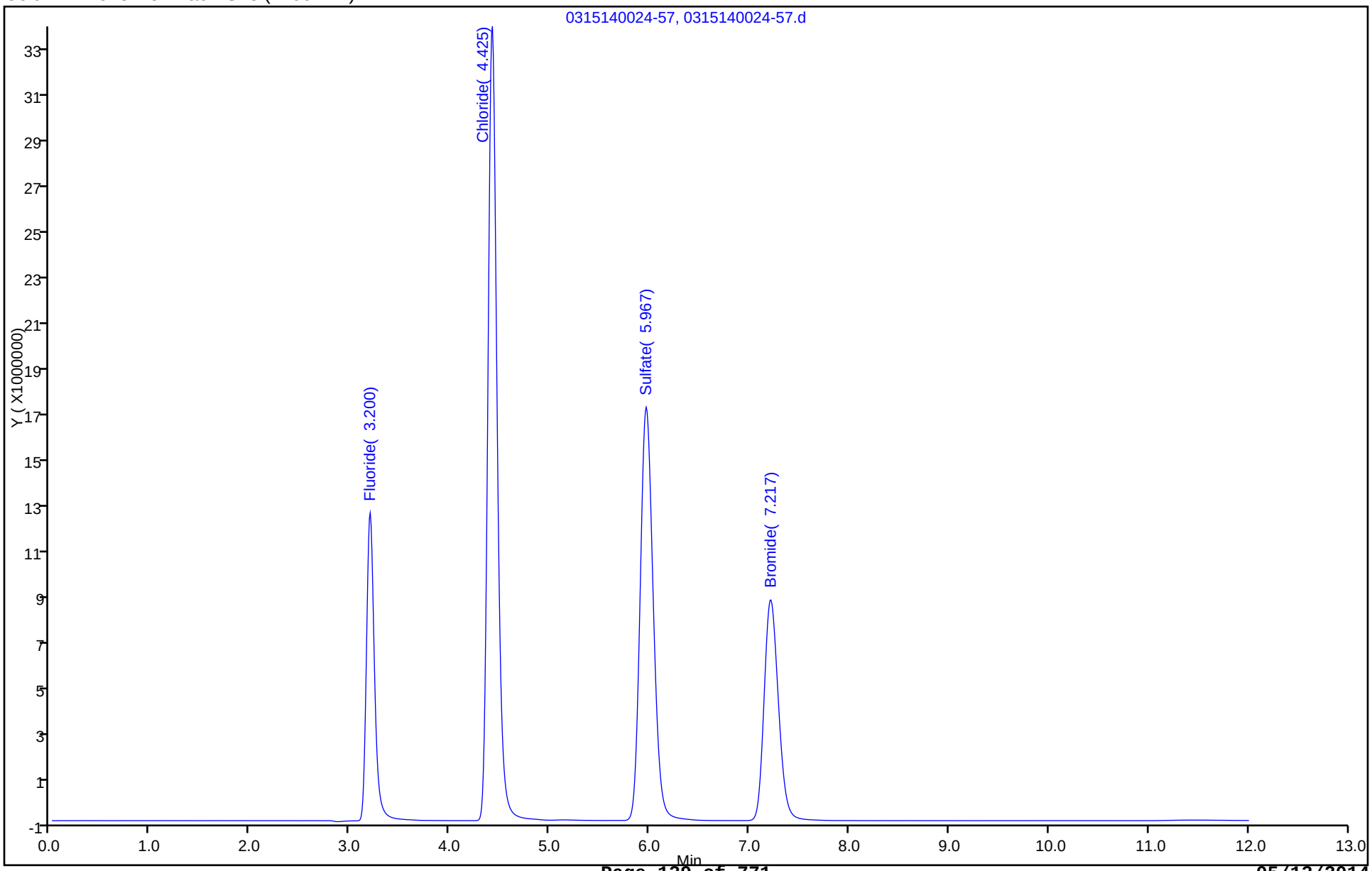
Lims ID: CCV Worklist Smp#: 57

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319688/69 Calibration Date: 03/15/2014 03:17

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0315140317-69.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		37929286		2.10	2.00	4.8	10.0
Chloride	Lin2		21832319		9.90	10.0	-1.0	10.0
Sulfate	Lin2		16043603		9.67	10.0	-3.3	10.0
Bromide	Lin2		9392761		10.1	10.0	0.8	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319688/69 Calibration Date: 03/15/2014 03:17

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0315140317-69.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.20	2.95	3.45
Chloride	4.43	4.18	4.68
Sulfate	5.96	5.71	6.21
Bromide	7.21	6.96	7.46

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0315140317-69.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	15-Mar-2014 03:17:00	ALS Bottle#:	0	Worklist Smp#:	69
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L031414 connie				
Misc. Info.:	4172 3471901				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:41	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	75858571	2.10	
2 Chloride	4.425	4.425	0.0	218323188	9.90	
3 Sulfate	5.958	5.958	0.0	160436027	9.67	
4 Bromide	7.208	7.208	0.0	93927607	10.1	

Report Date: 18-Mar-2014 09:47:41 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0315140317-69.d

Injection Date: 15-Mar-2014 03:17:00 Instrument ID: CICL Operator ID:

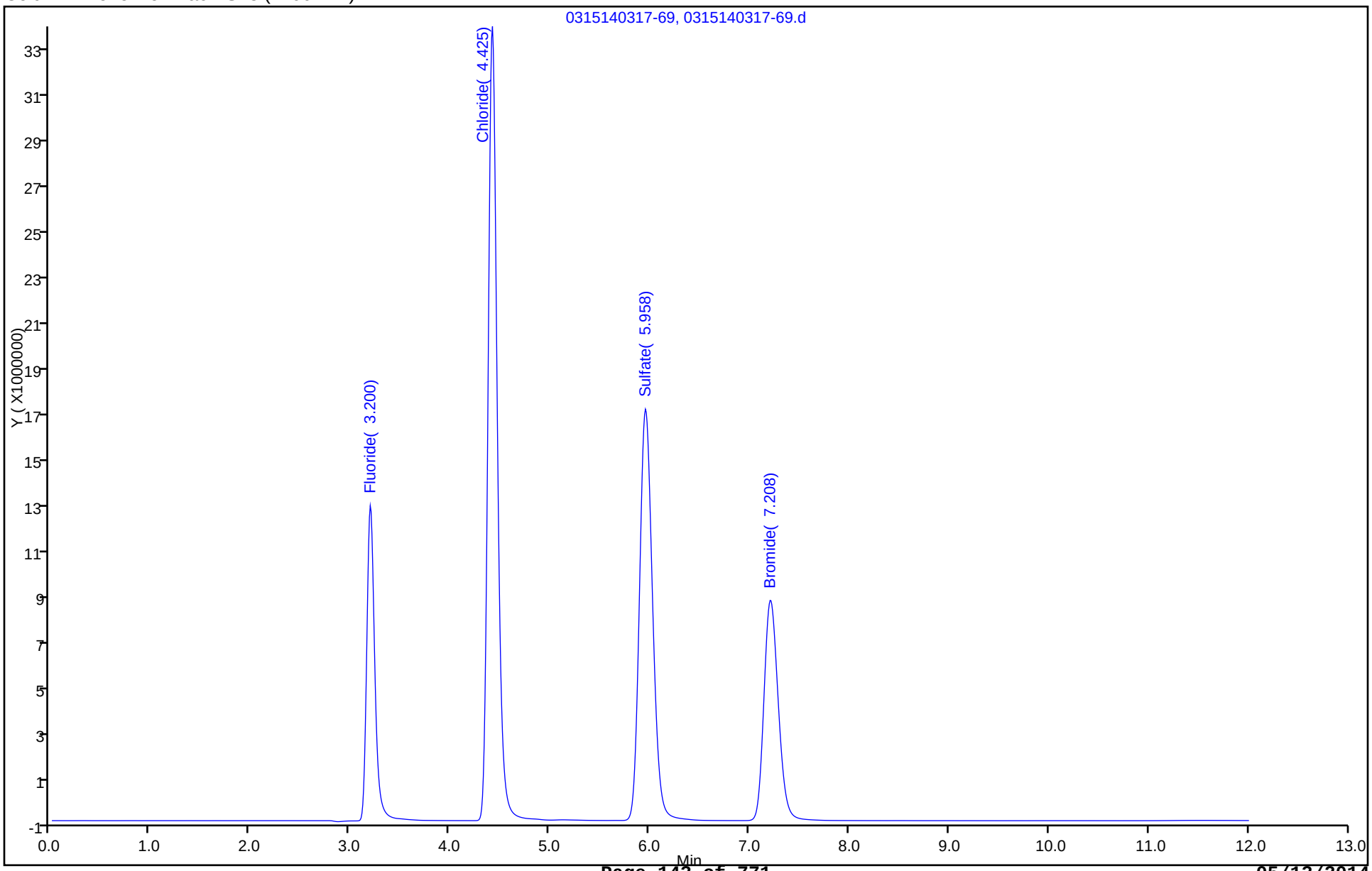
Lims ID: CCV Worklist Smp#: 69

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319688/74 Calibration Date: 03/15/2014 04:29

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0315140429-74.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin2		37407709		2.07	2.00	3.3	10.0
Chloride	Lin2		22069683		10.0	10.0	0.1	10.0
Sulfate	Lin2		16382043		9.87	10.0	-1.3	10.0
Bromide	Lin2		9436930		10.1	10.0	1.2	10.0

FORM VII 300.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-319688/74 Calibration Date: 03/15/2014 04:29

Instrument ID: CICL Calib Start Date: 02/28/2014 04:56

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 06:22

Lab File ID: 0315140429-74.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.20	2.95	3.45
Chloride	4.43	4.18	4.68
Sulfate	5.96	5.71	6.21
Bromide	7.21	6.96	7.46

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0315140429-74.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	15-Mar-2014 04:29:00	ALS Bottle#:	0	Worklist Smp#:	74
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L031414 connie				
Misc. Info.:	27921 3471901				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:43	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	74815417	2.07	
2 Chloride	4.425	4.425	0.0	220696833	10.0	
3 Sulfate	5.958	5.958	0.0	163820431	9.87	
4 Bromide	7.208	7.208	0.0	94369303	10.1	

Report Date: 18-Mar-2014 09:47:43 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0315140429-74.d

Injection Date: 15-Mar-2014 04:29:00 Instrument ID: CICL Operator ID:

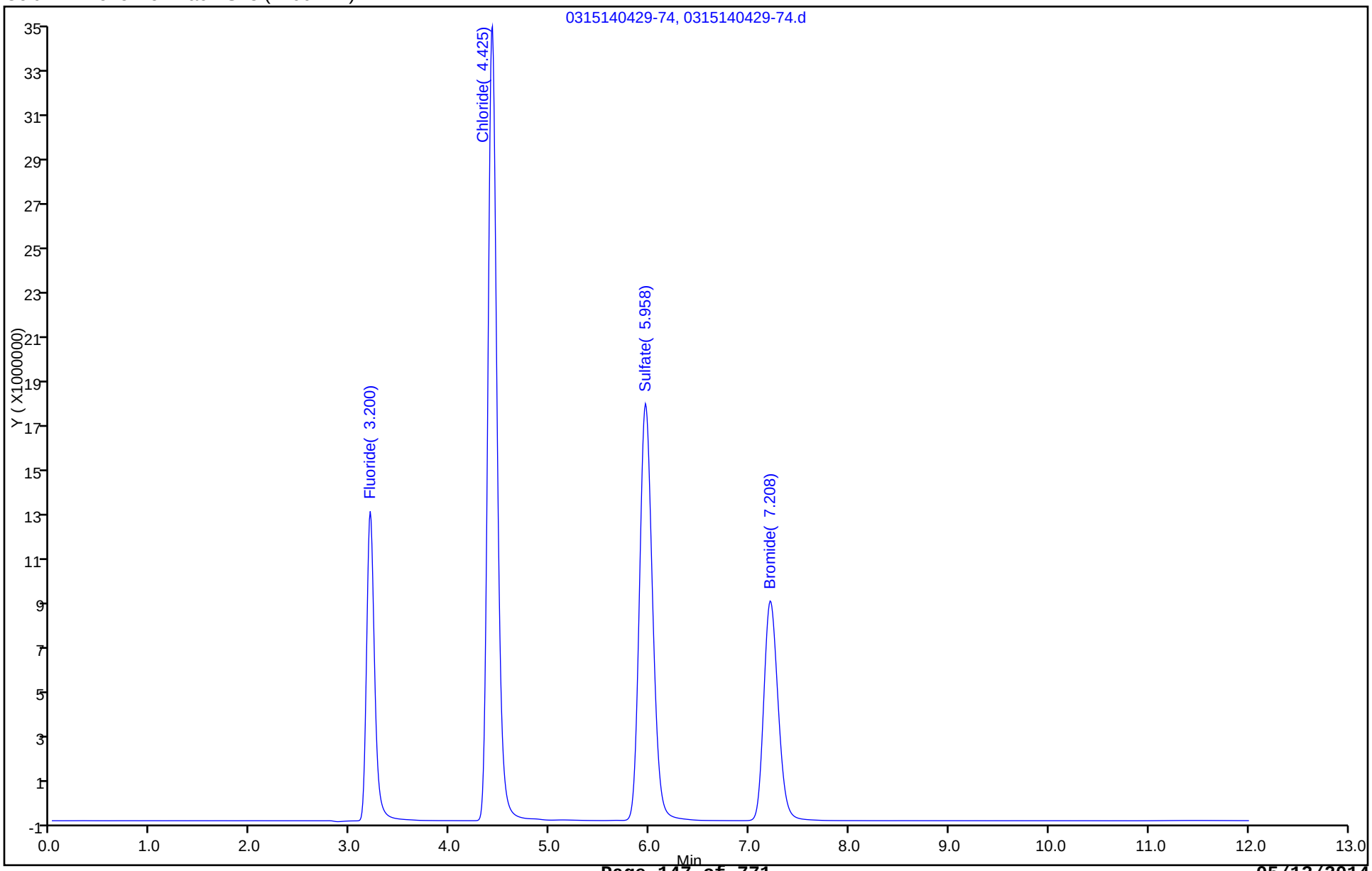
Lims ID: CCV Worklist Smp#: 74

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: MB 680-319351/46
Matrix: Water
Lab File ID: 0312142206-46.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/12/2014 22:06
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319351
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\0312142206-46.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	12-Mar-2014 22:06:00	ALS Bottle#:	0	Worklist Smp#:	46
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L031214 connie				
Misc. Info.:	10260				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	13-Mar-2014 10:41:53	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 13-Mar-2014 10:41:54 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140312-7087.b\0312142206-46.d

Injection Date: 12-Mar-2014 22:06:00 Instrument ID: CICL Operator ID:

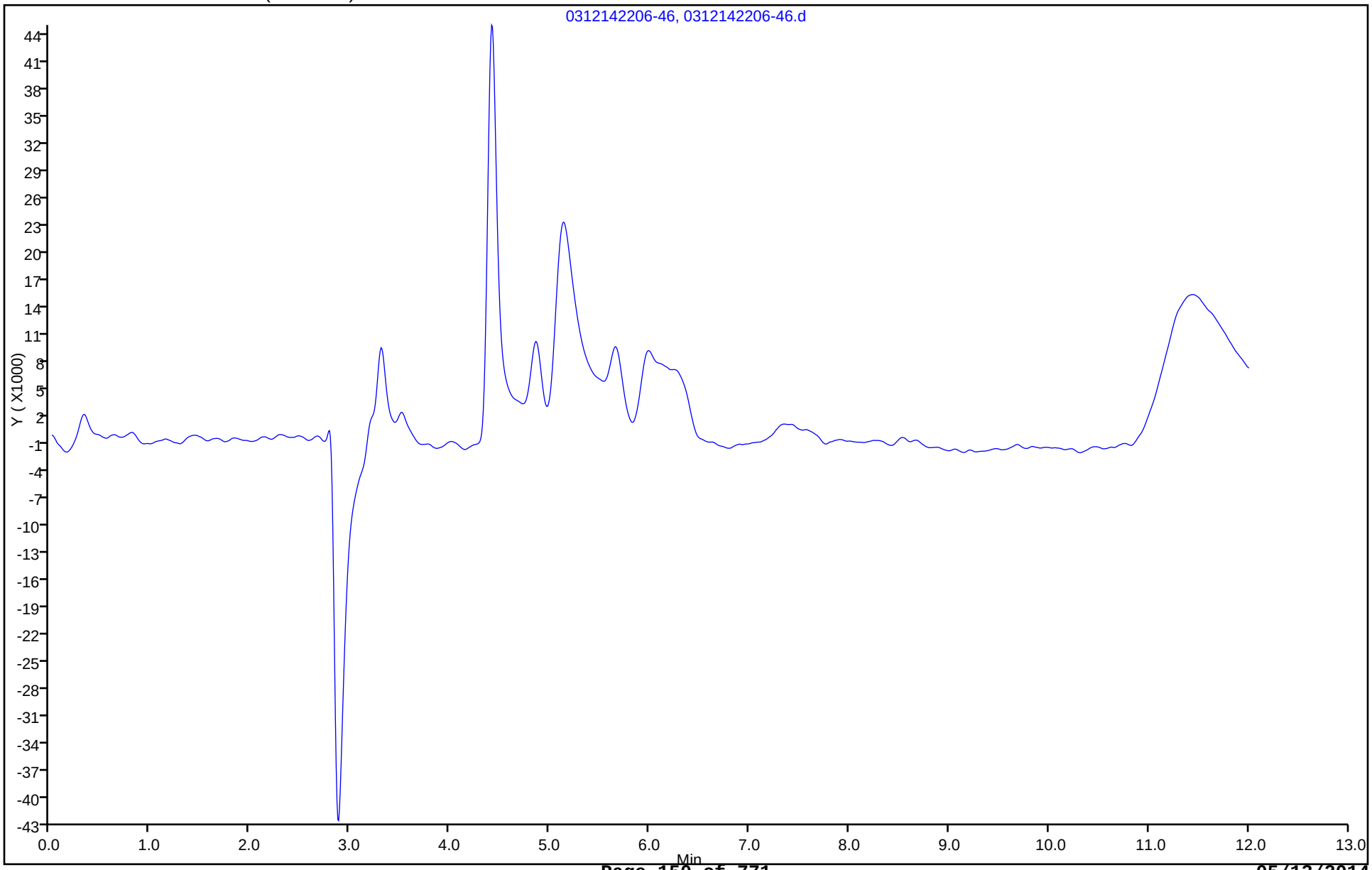
Lims ID: CCB Worklist Smp#: 46

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: Lab Sample ID: MB 680-319563/32

Matrix: Water Lab File ID: 0313142225-32.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/13/2014 22:25

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319563 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0313142225-32.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	13-Mar-2014 22:25:00	ALS Bottle#:	0	Worklist Smp#:	32
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L031314 connie				
Misc. Info.:	8711				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	14-Mar-2014 10:12:28	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK010				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 14-Mar-2014 10:12:28 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140313-7140.b\0313142225-32.d

Injection Date: 13-Mar-2014 22:25:00 Instrument ID: CICL Operator ID:

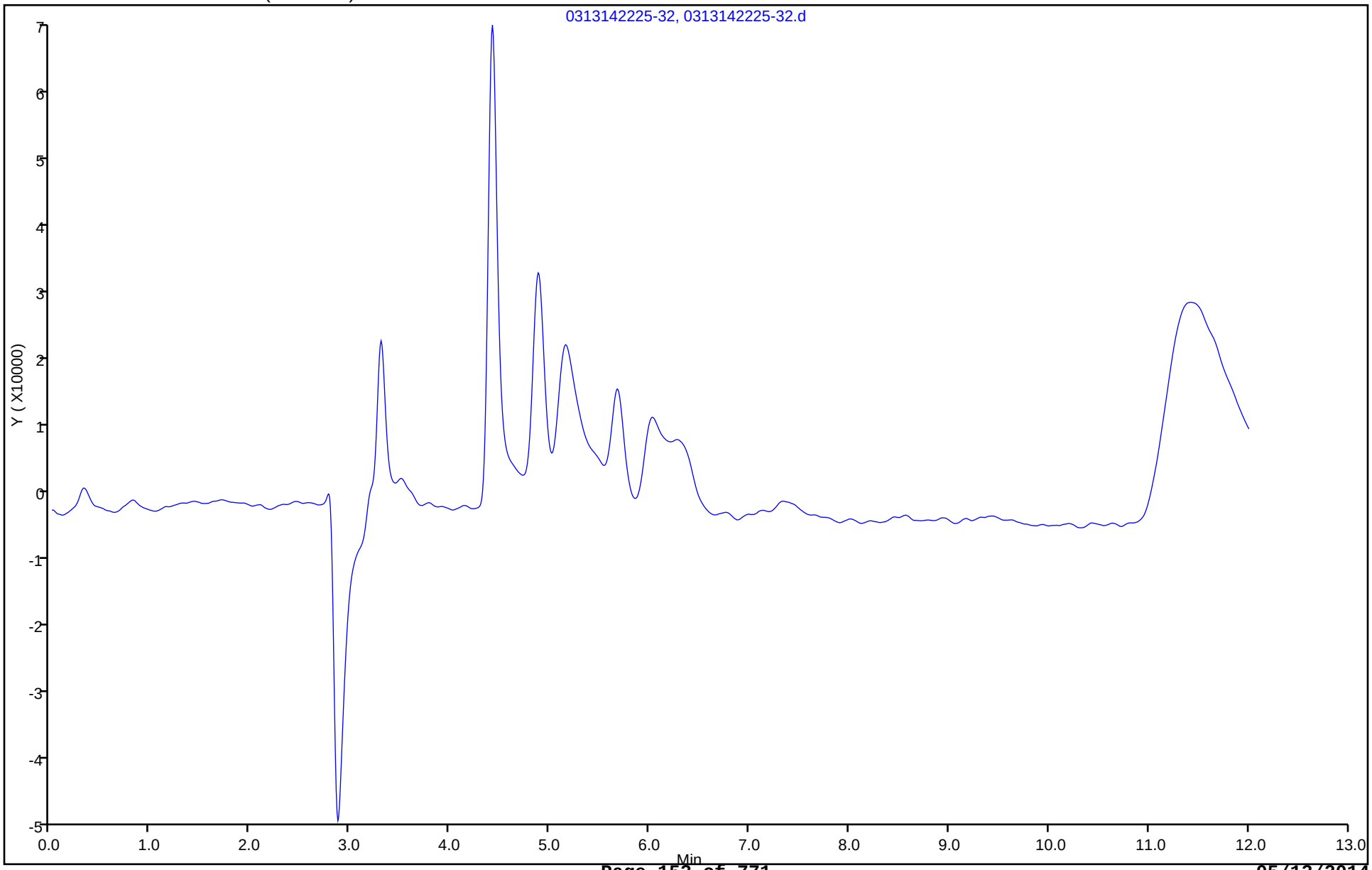
Lims ID: CCB Worklist Smp#: 32

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: MB 680-319653/5
Matrix: Water
Lab File ID: 0314141155-5.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/14/2014 11:55
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319653
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141155-5.d				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	14-Mar-2014 11:55:00	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 1L031414 connie				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 10:33:56	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				
First Level Reviewer: thorntonp		Date:	18-Mar-2014 09:47:23		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 18-Mar-2014 10:33:56 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141155-5.d

Injection Date: 14-Mar-2014 11:55:00 Instrument ID: CICL Operator ID:

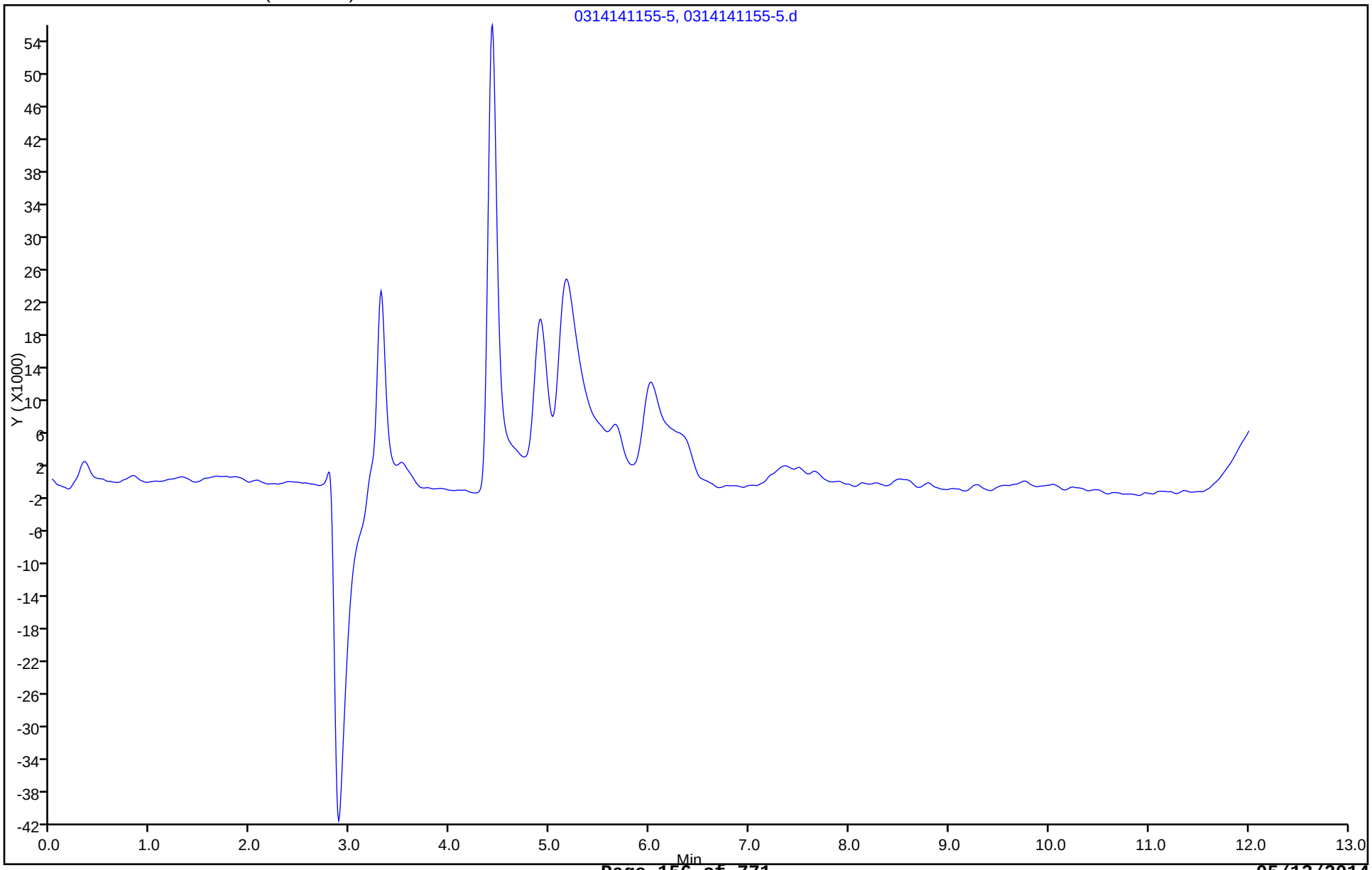
Lims ID: MB Worklist Smp#: 5

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: MB 680-319688/44
Matrix: Water
Lab File ID: 0314142116-44.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/14/2014 21:16
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319688
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314142116-44.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	14-Mar-2014 21:16:00	ALS Bottle#:	0	Worklist Smp#:	44
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L031414 connie				
Misc. Info.:	10703				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:34	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				
First Level Reviewer: thorntonp		Date:	18-Mar-2014 09:41:23		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.192	3.200	-0.008	103709	0.0127	

Report Date: 18-Mar-2014 09:47:34 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0314142116-44.d

Injection Date: 14-Mar-2014 21:16:00 Instrument ID: CICL Operator ID:

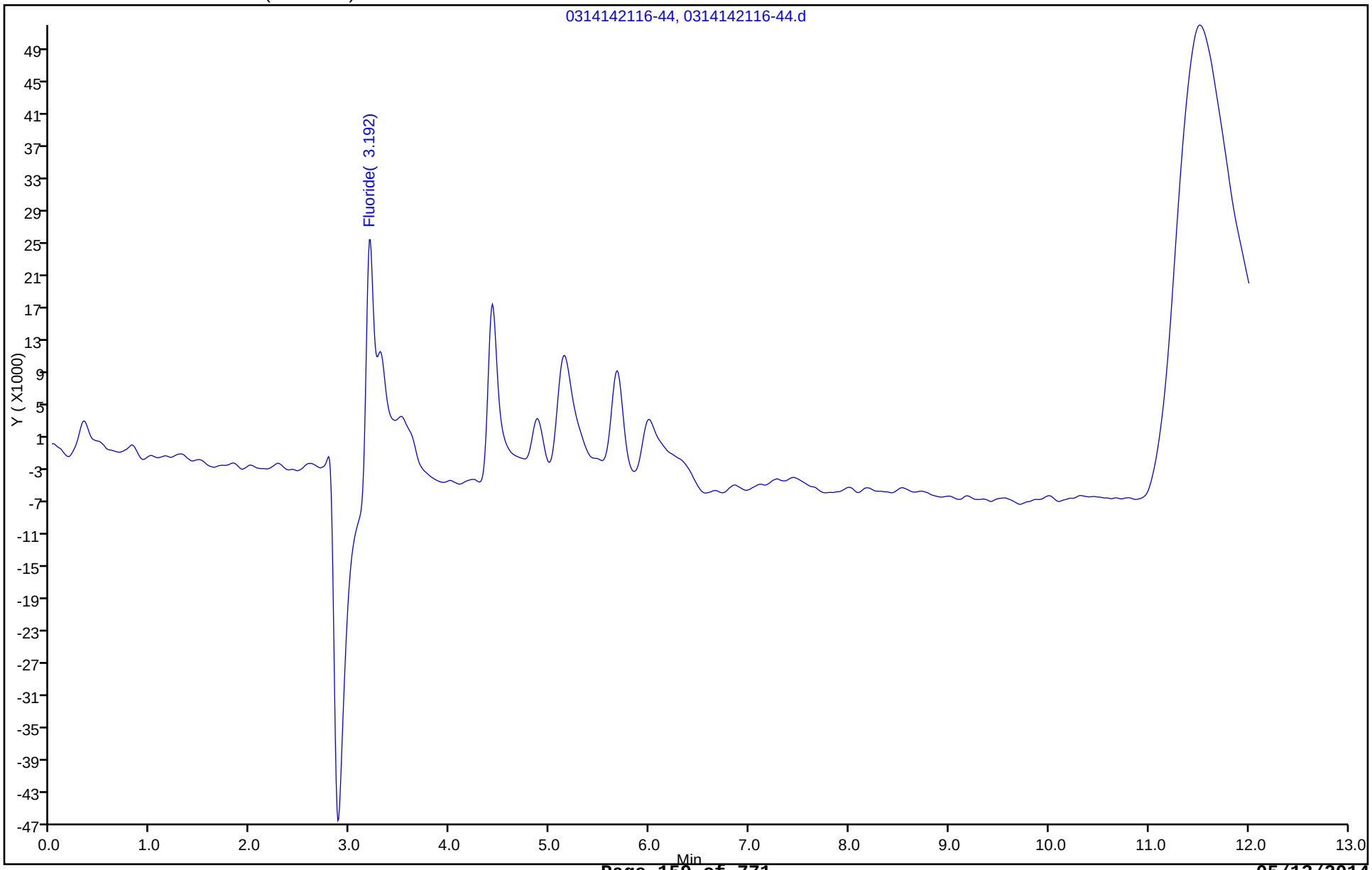
Lims ID: CCB Worklist Smp#: 44

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: CCB 680-319351/59
Matrix: Water
Lab File ID: 0313140113-59.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/13/2014 01:13
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319351
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\0313140113-59.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	13-Mar-2014 01:13:00	ALS Bottle#:	0	Worklist Smp#:	59
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L031214 connie				
Misc. Info.:	13187				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	13-Mar-2014 10:41:57	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 13-Mar-2014 10:41:58 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140312-7087.b\0313140113-59.d

Injection Date: 13-Mar-2014 01:13:00 Instrument ID: CICL Operator ID:

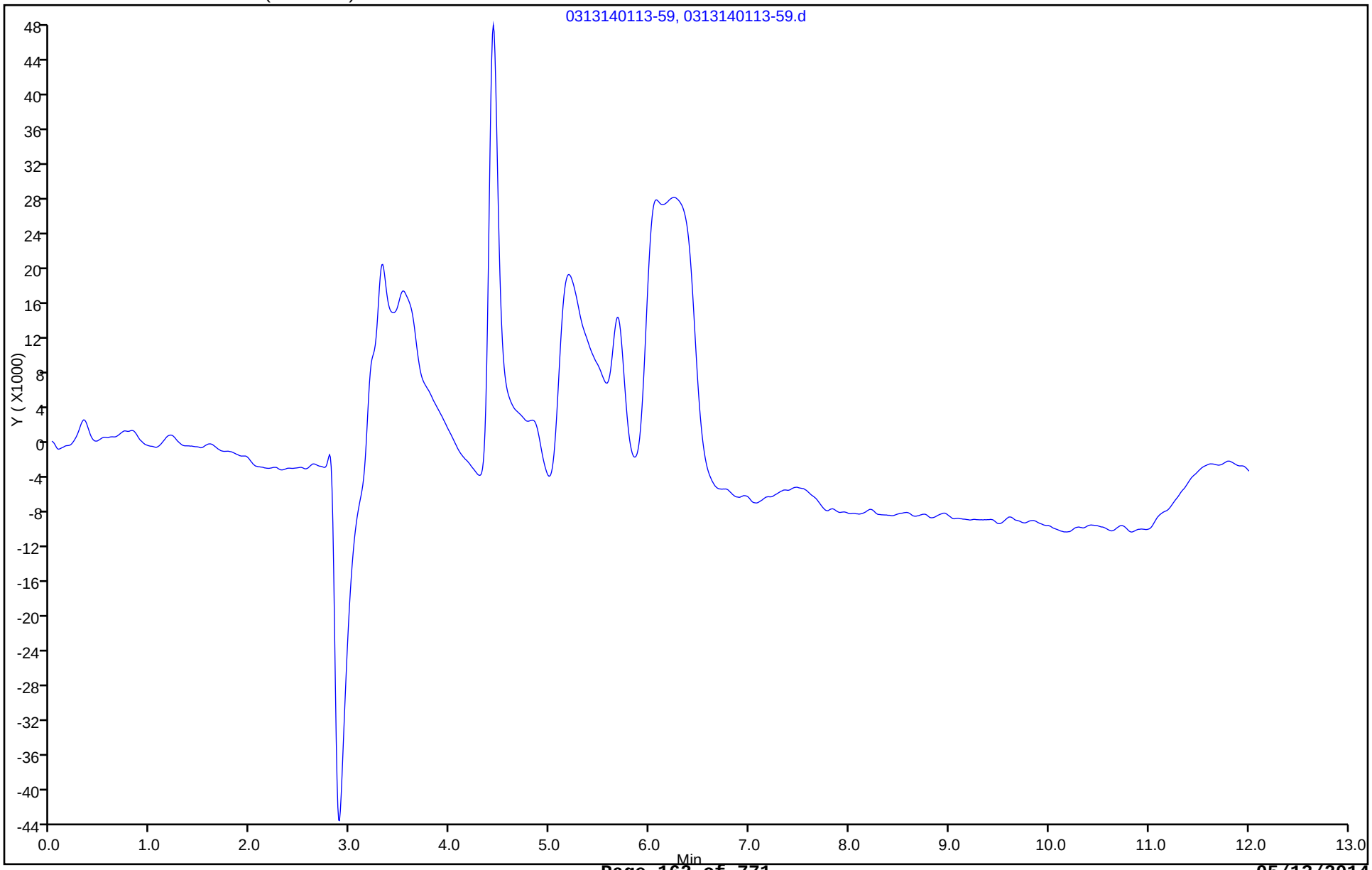
Lims ID: CCB Worklist Smp#: 59

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: Lab Sample ID: CCB 680-319563/46

Matrix: Water Lab File ID: 0314140146-46.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/14/2014 01:46

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319563 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0314140146-46.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	14-Mar-2014 01:46:00	ALS Bottle#:	0	Worklist Smp#:	46
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L031314 connie				
Misc. Info.:	1250				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	14-Mar-2014 10:12:32	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK010				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 14-Mar-2014 10:12:32 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140313-7140.b\0314140146-46.d

Injection Date: 14-Mar-2014 01:46:00 Instrument ID: CICL Operator ID:

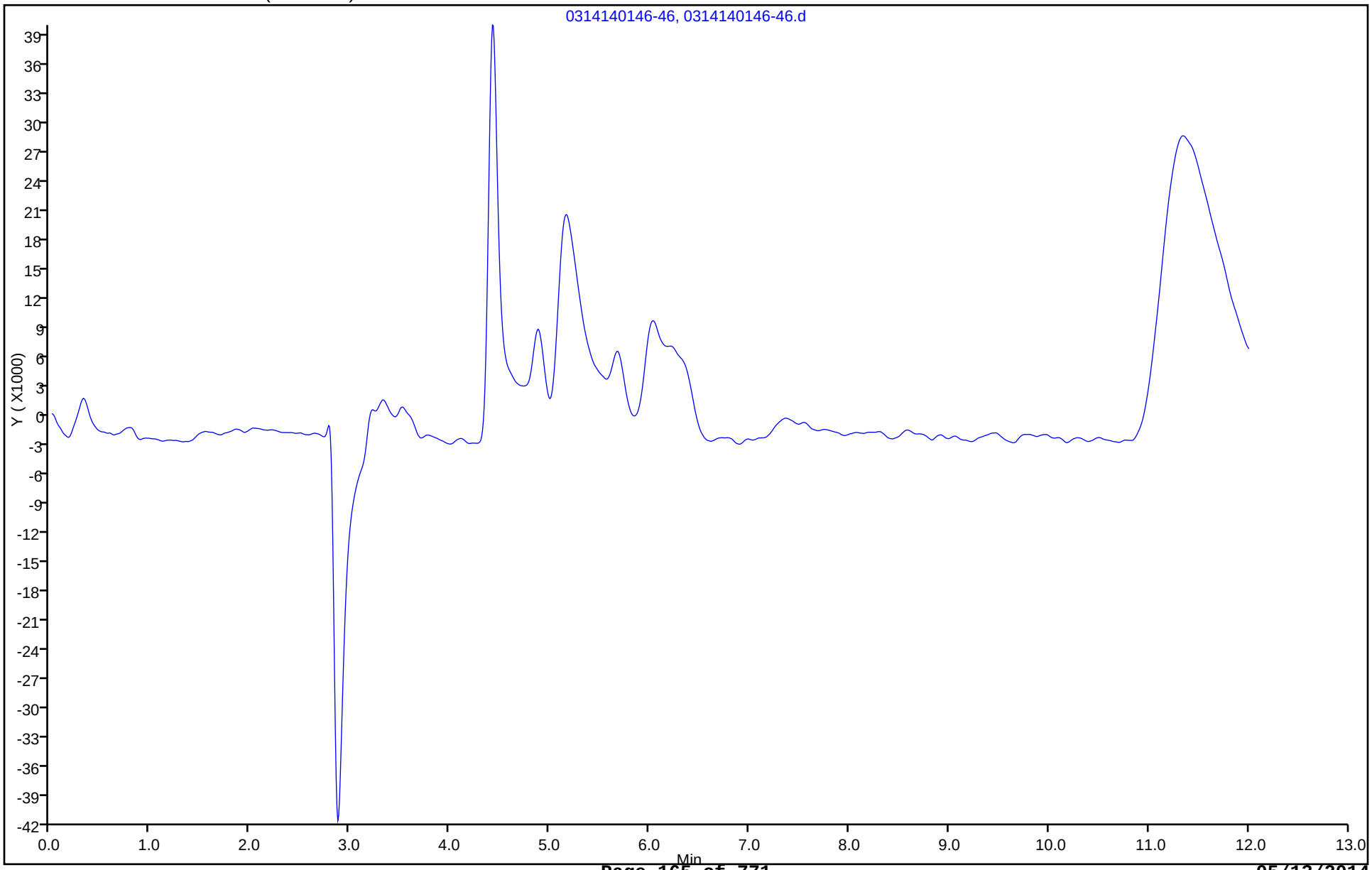
Lims ID: CCB Worklist Smp#: 46

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: CCB 680-319563/58
Matrix: Water
Lab File ID: 0314140439-58.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/14/2014 04:39
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319563
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0314140439-58.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	14-Mar-2014 04:39:00	ALS Bottle#:	0	Worklist Smp#:	58
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L031314 connie				
Misc. Info.:	1071				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	14-Mar-2014 10:12:35	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK010				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 14-Mar-2014 10:12:35 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140313-7140.b\0314140439-58.d

Injection Date: 14-Mar-2014 04:39:00 Instrument ID: CICL Operator ID:

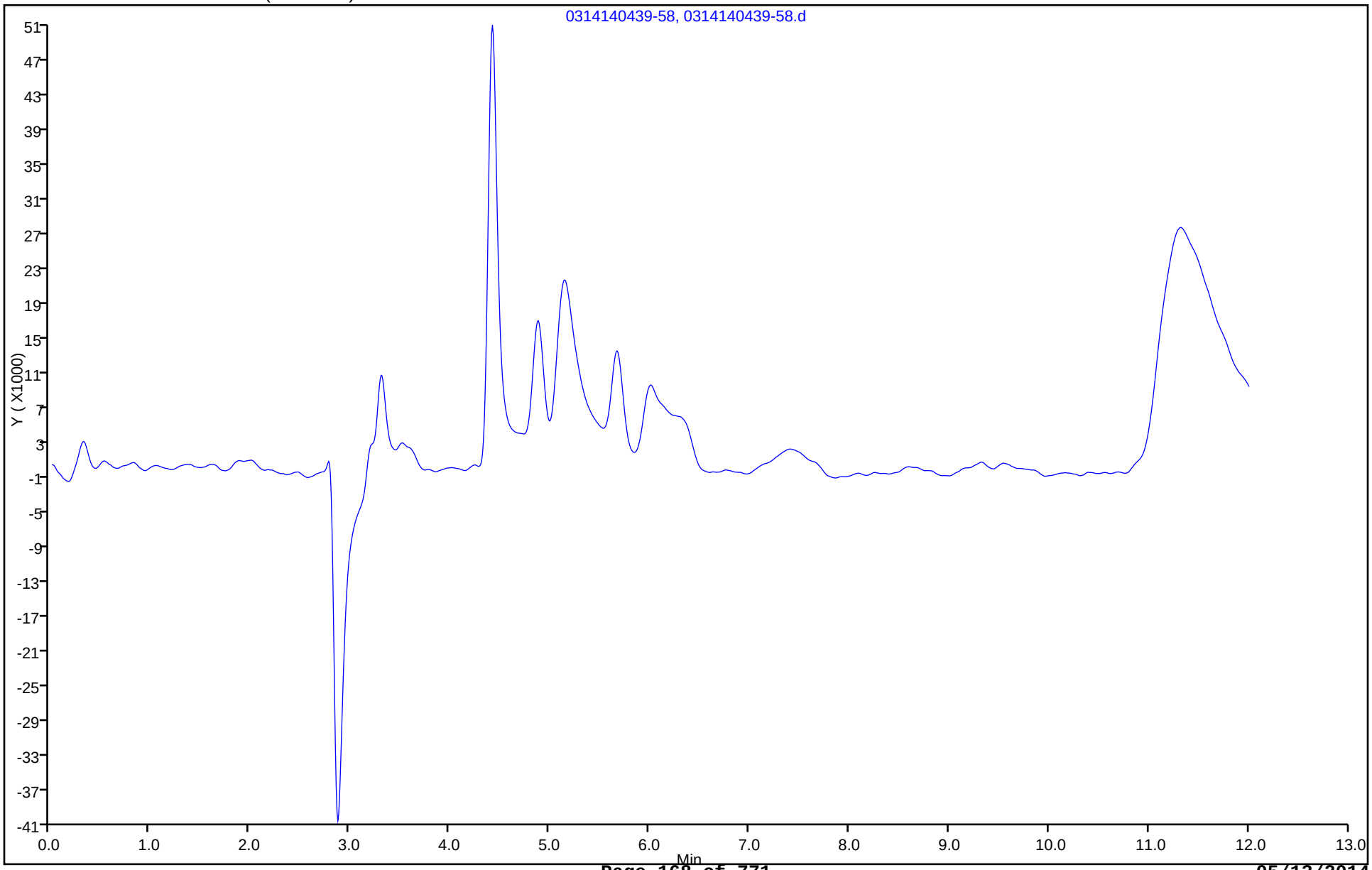
Lims ID: CCB Worklist Smp#: 58

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: CCB 680-319653/17
Matrix: Water
Lab File ID: 0314141448-17.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/14/2014 14:48
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319653
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141448-17.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	14-Mar-2014 14:48:00	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB~1L031414 connie				
Misc. Info.:	9213				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:26	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				
First Level Reviewer: thorntonp		Date:	14-Mar-2014 15:25:29		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 18-Mar-2014 09:47:27 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141448-17.d

Injection Date: 14-Mar-2014 14:48:00 Instrument ID: CICL Operator ID:

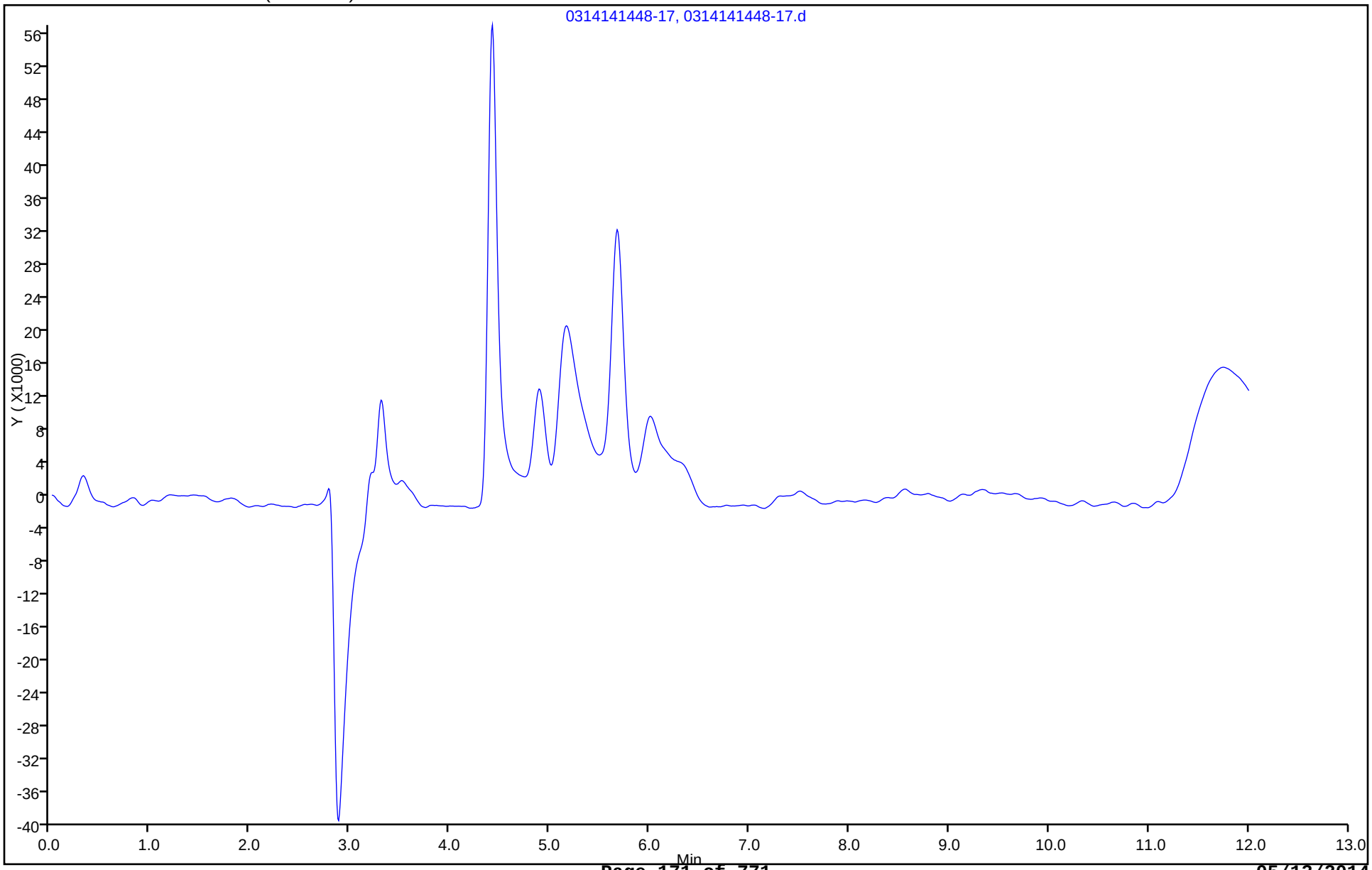
Lims ID: CCB Worklist Smp#: 17

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: CCB 680-319653/25
Matrix: Water
Lab File ID: 0314141643-25.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/14/2014 16:43
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319653
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141643-25.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	14-Mar-2014 16:43:00	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L031414 connie				
Misc. Info.:	3801				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:28	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				
First Level Reviewer: thorntonp		Date:	14-Mar-2014 17:03:39		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 18-Mar-2014 09:47:29 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141643-25.d

Injection Date: 14-Mar-2014 16:43:00 Instrument ID: CICL Operator ID:

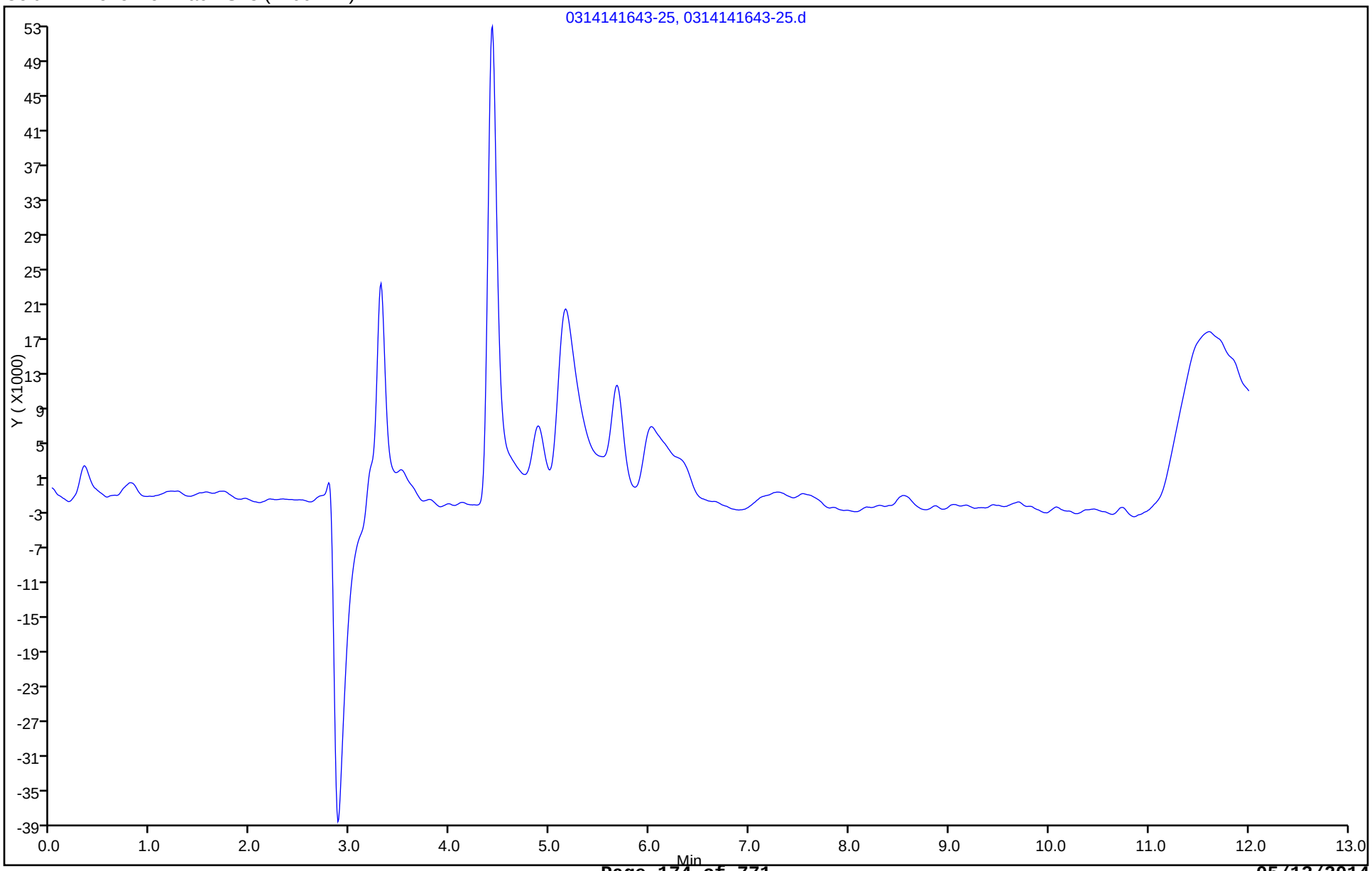
Lims ID: CCB Worklist Smp#: 25

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: CCB 680-319688/58
Matrix: Water
Lab File ID: 0315140038-58.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/15/2014 00:38
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319688
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0315140038-58.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	15-Mar-2014 00:38:00	ALS Bottle#:	0	Worklist Smp#:	58
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L031414 connie				
Misc. Info.:	13175				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:38	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 18-Mar-2014 09:47:38 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0315140038-58.d

Injection Date: 15-Mar-2014 00:38:00 Instrument ID: CICL Operator ID:

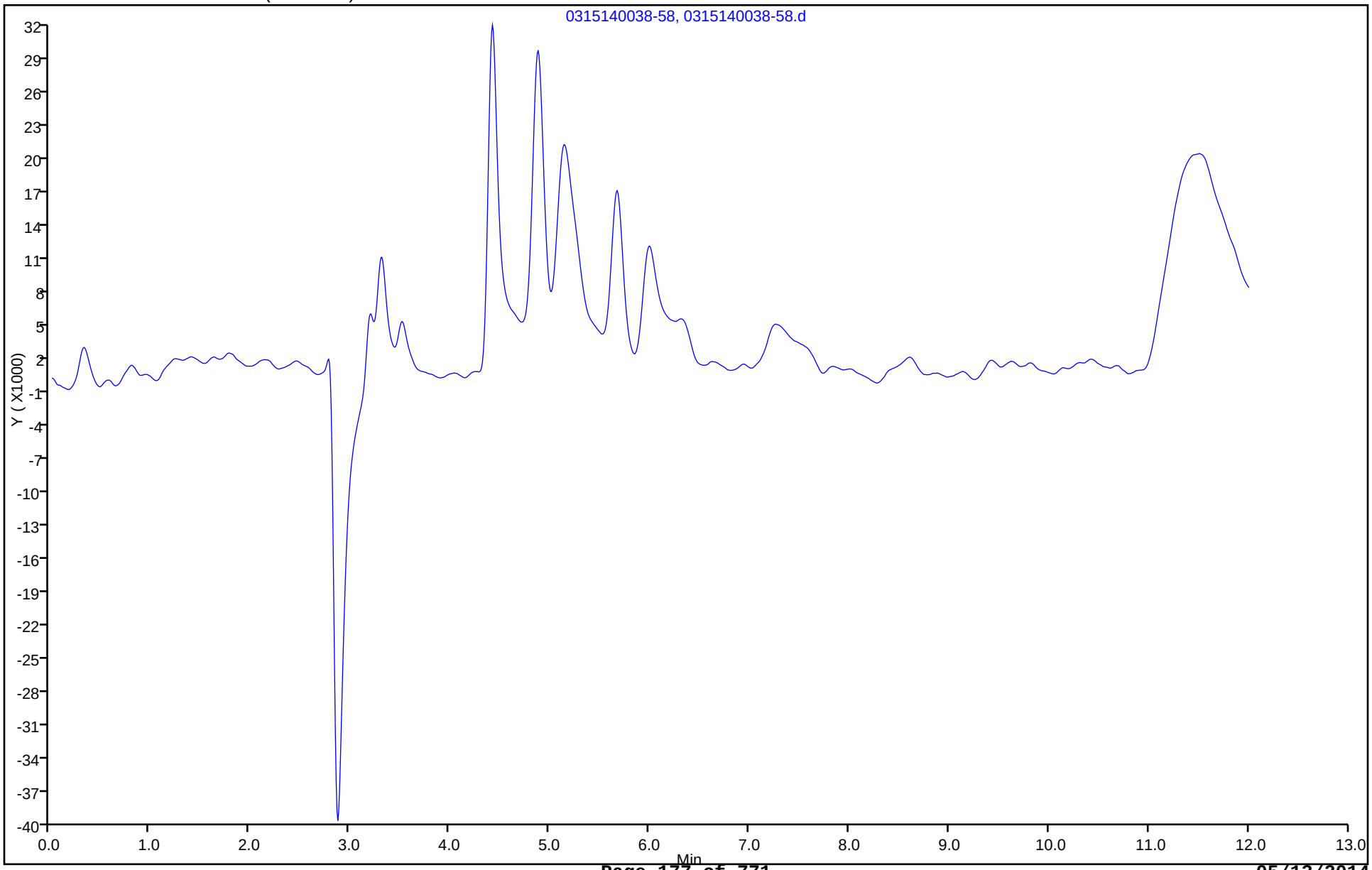
Lims ID: CCB Worklist Smp#: 58

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: CCB 680-319688/70
Matrix: Water
Lab File ID: 0315140331-70.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/15/2014 03:31
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319688
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0315140331-70.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	15-Mar-2014 03:31:00	ALS Bottle#:	0	Worklist Smp#:	70
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L031414 connie				
Misc. Info.:	20180				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:41	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 18-Mar-2014 09:47:42 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0315140331-70.d

Injection Date: 15-Mar-2014 03:31:00 Instrument ID: CICL Operator ID:

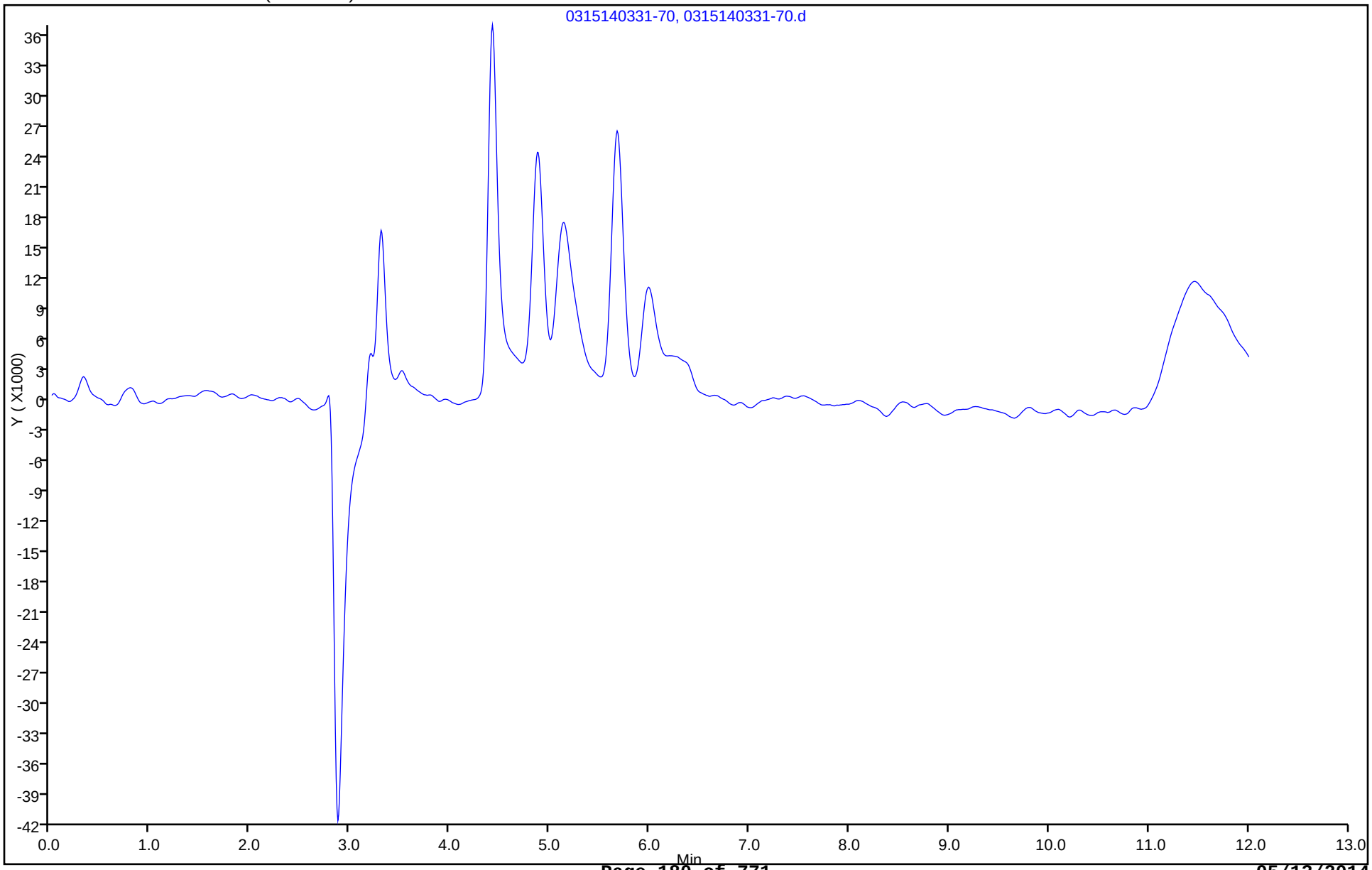
Lims ID: CCB Worklist Smp#: 70

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: CCB 680-319688/75
Matrix: Water
Lab File ID: 0315140443-75.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/15/2014 04:43
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319688
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0315140443-75.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	15-Mar-2014 04:43:00	ALS Bottle#:	0	Worklist Smp#:	75
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L031414 connie				
Misc. Info.:	17160				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:43	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 18-Mar-2014 09:47:43 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0315140443-75.d

Injection Date: 15-Mar-2014 04:43:00 Instrument ID: CICL Operator ID:

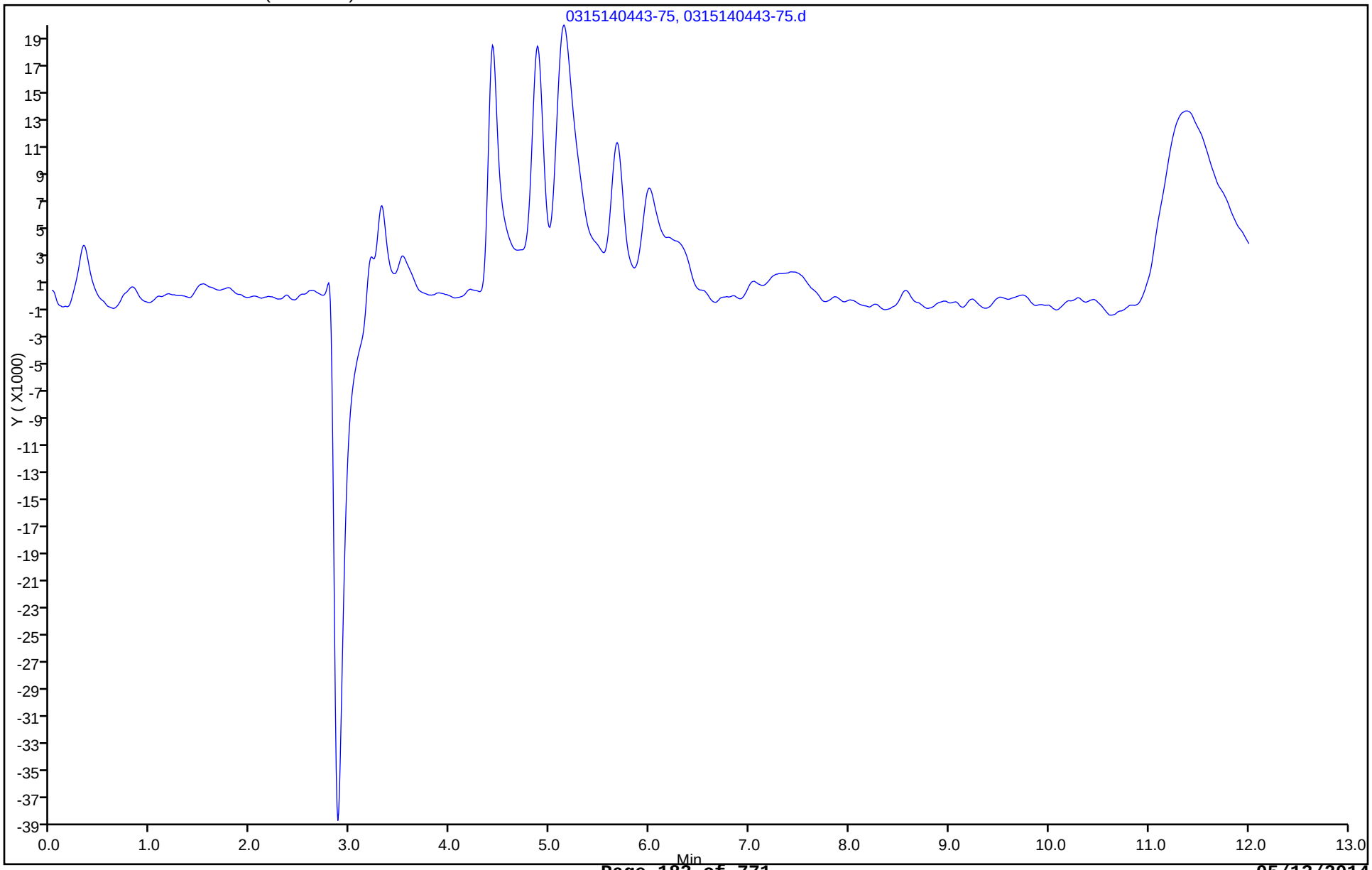
Lims ID: CCB Worklist Smp#: 75

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: ICB 680-317700/8
Matrix: Water
Lab File ID: 0228140636-81.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 02/28/2014 06:36
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 317700
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	<0.25		0.50	0.25
16984-48-8	Fluoride	<0.025		0.10	0.025
16887-00-6	Chloride	<0.25		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140636-81.d				
Lims ID:	ICB	Lab Sample ID:	ICB 680-317700/8-A		
Client ID:					
Sample Type:	ICB				
Inject. Date:	28-Feb-2014 06:36:00	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ICB 1L022714 connie				
Misc. Info.:	29516				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	28-Feb-2014 12:40:28	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

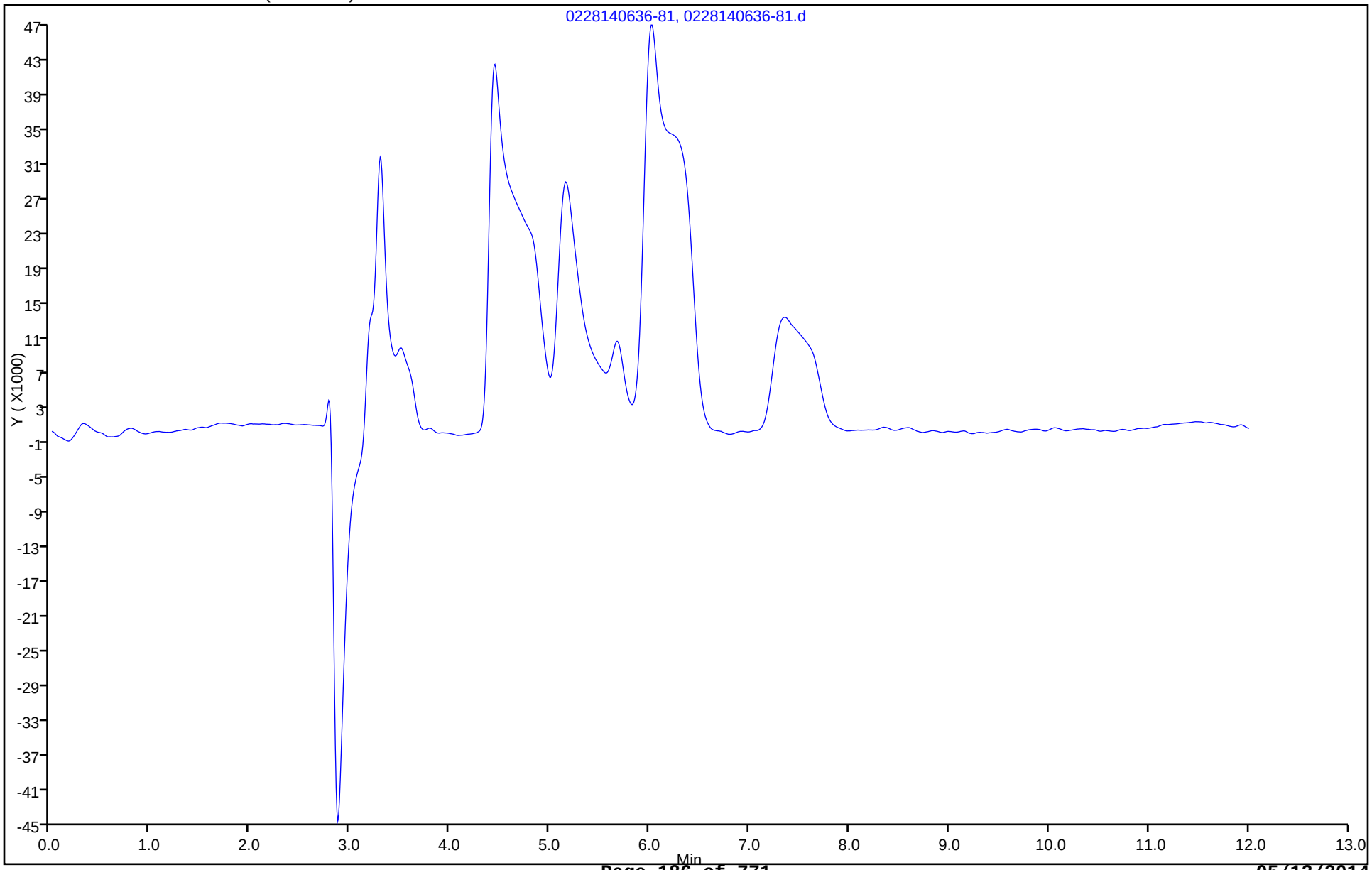
Report Date: 28-Feb-2014 12:40:29 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140636-81.d

Injection Date:	28-Feb-2014 06:36:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	ICB	Lab Sample ID:	ICB 680-317700/8-A	Worklist Smp#:	8
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICL	Limit Group:	Anions - 28D - ORGFRMS		

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: LCS 680-319351/47
Matrix: Water
Lab File ID: 0312142220-47.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/12/2014 22:20
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319351
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.2		0.50	0.25
16984-48-8	Fluoride	2.08		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\0312142220-47.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	12-Mar-2014 22:20:00	ALS Bottle#:	0	Worklist Smp#:	47
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 1L031214 connie				
Misc. Info.:	19570 3471870				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	13-Mar-2014 10:41:53	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	75201688	2.08	
2 Chloride	4.417	4.417	0.0	222244129	10.1	
3 Sulfate	5.933	5.933	0.0	168980128	10.2	
4 Bromide	7.200	7.200	0.0	94842686	10.2	

Report Date: 13-Mar-2014 10:41:55 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140312-7087.b\0312142220-47.d

Injection Date: 12-Mar-2014 22:20:00 Instrument ID: CICL Operator ID:

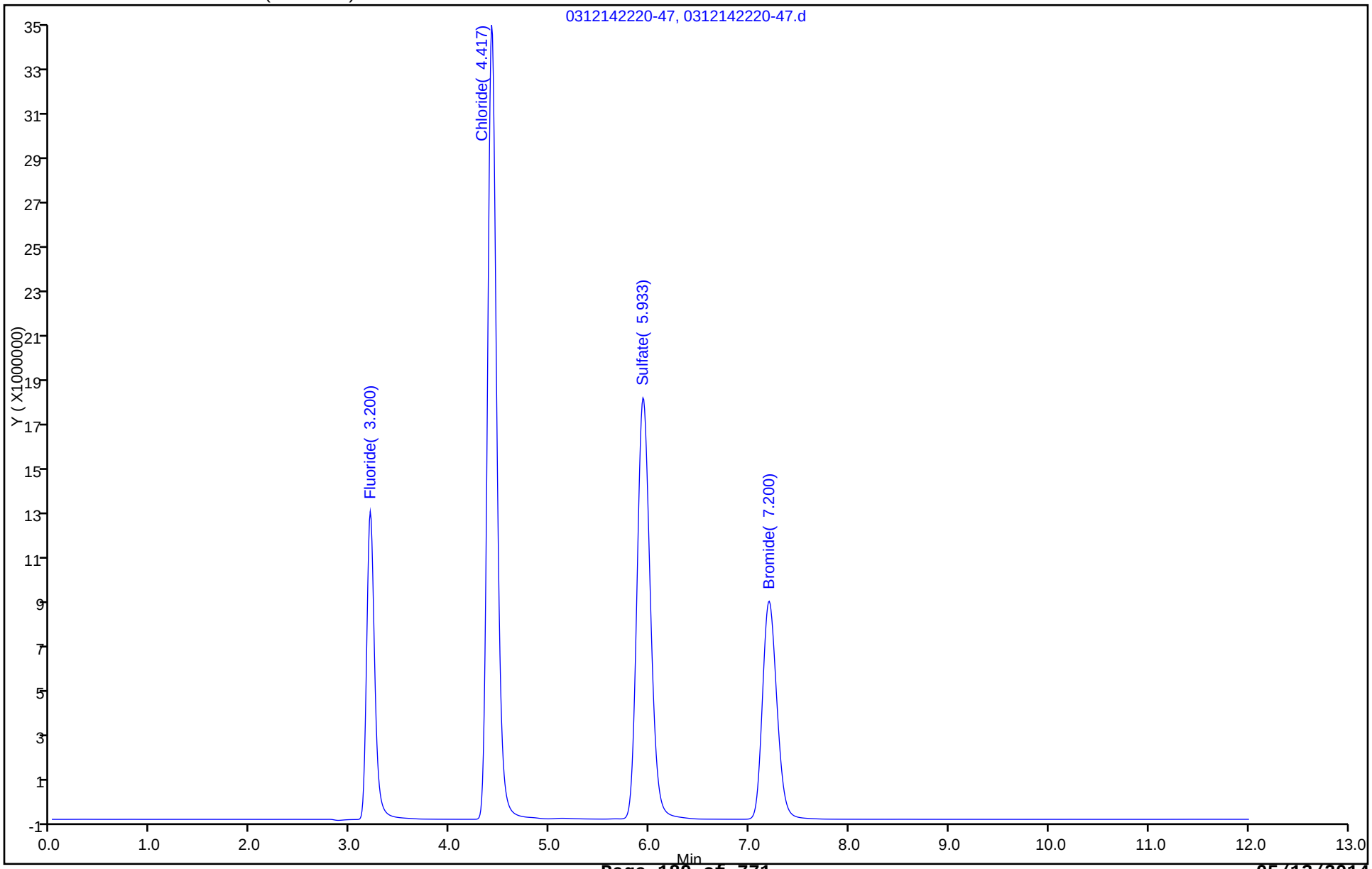
Lims ID: LCS Worklist Smp#: 47

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: LCS 680-319563/33
Matrix: Water
Lab File ID: 0313142239-33.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/13/2014 22:39
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319563
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.3		0.50	0.25
16984-48-8	Fluoride	2.09		0.10	0.025
16887-00-6	Chloride	10.1		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0313142239-33.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	13-Mar-2014 22:39:00	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 1L031314 connie				
Misc. Info.:	16649 3471870				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	14-Mar-2014 10:12:28	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK010				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	75676446	2.09	
2 Chloride	4.425	4.425	0.0	221700948	10.1	
3 Sulfate	5.967	5.975	-0.008	170153730	10.3	
4 Bromide	7.217	7.225	-0.008	94759626	10.2	

Report Date: 14-Mar-2014 10:12:29 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140313-7140.b\0313142239-33.d

Injection Date: 13-Mar-2014 22:39:00 Instrument ID: CICL Operator ID:

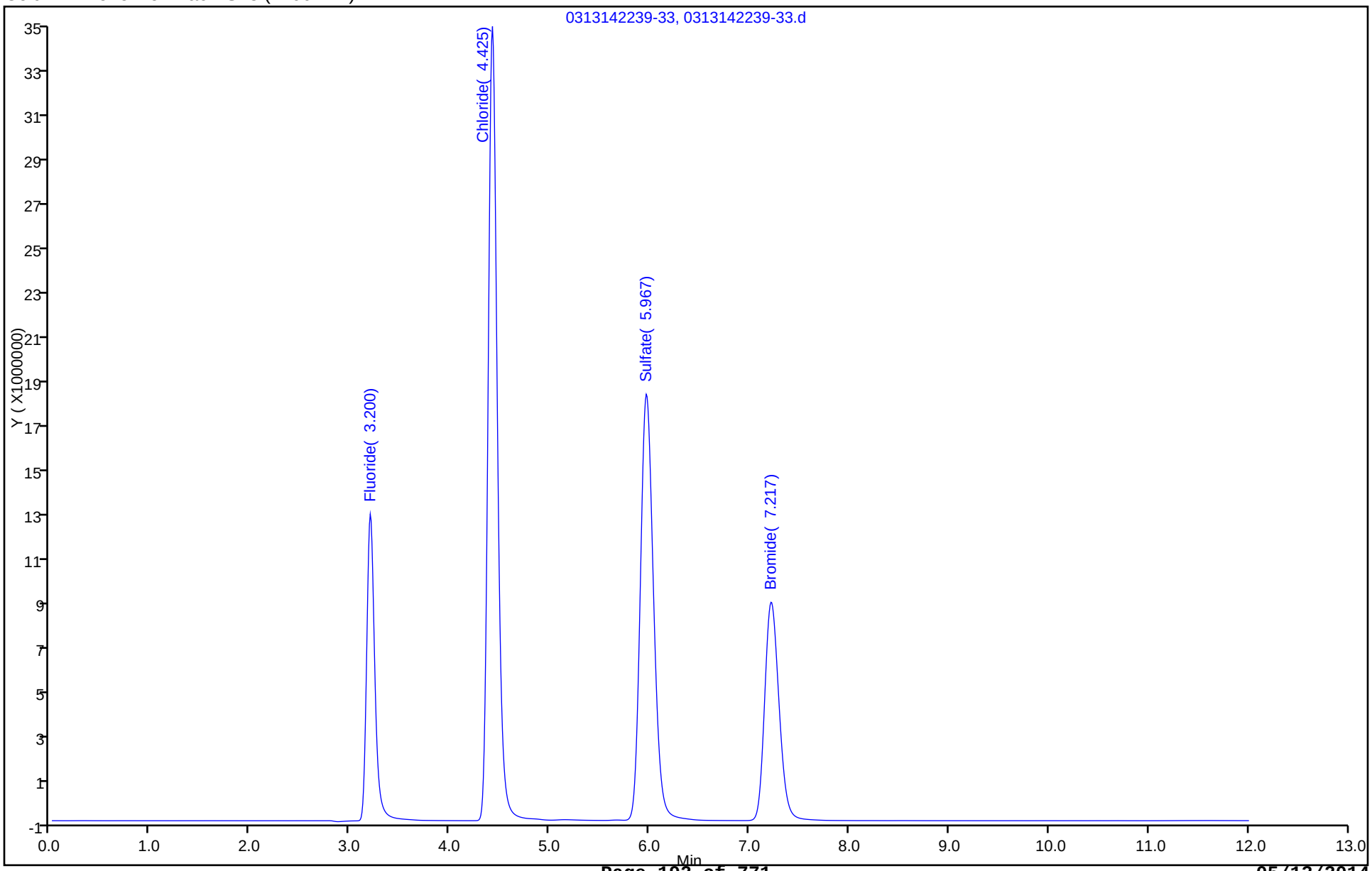
Lims ID: LCS Worklist Smp#: 33

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: LCS 680-319653/6
Matrix: Water
Lab File ID: 0314141209-6.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/14/2014 12:09
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319653
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.3		0.50	0.25
16984-48-8	Fluoride	2.07		0.10	0.025
16887-00-6	Chloride	9.92		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141209-6.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 14-Mar-2014 12:09:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCS 1L031414 connie
Misc. Info.: 6 3471870
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 18-Mar-2014 09:47:23 Calib Date: 28-Feb-2014 06:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d

Column 1 : Dionex Ion Pac AS18 (4.00 mm) Det: 0423131702-17
Process Host: XAWRK025

First Level Reviewer: thorntonp Date: 14-Mar-2014 12:52:01

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	74812038	2.07	
2 Chloride	4.425	4.425	0.0	218712027	9.92	
3 Sulfate	5.967	5.967	0.0	171716318	10.3	
4 Bromide	7.208	7.208	0.0	93407409	10.0	

Report Date: 18-Mar-2014 09:47:23 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141209-6.d

Injection Date: 14-Mar-2014 12:09:00 Instrument ID: CICL Operator ID:

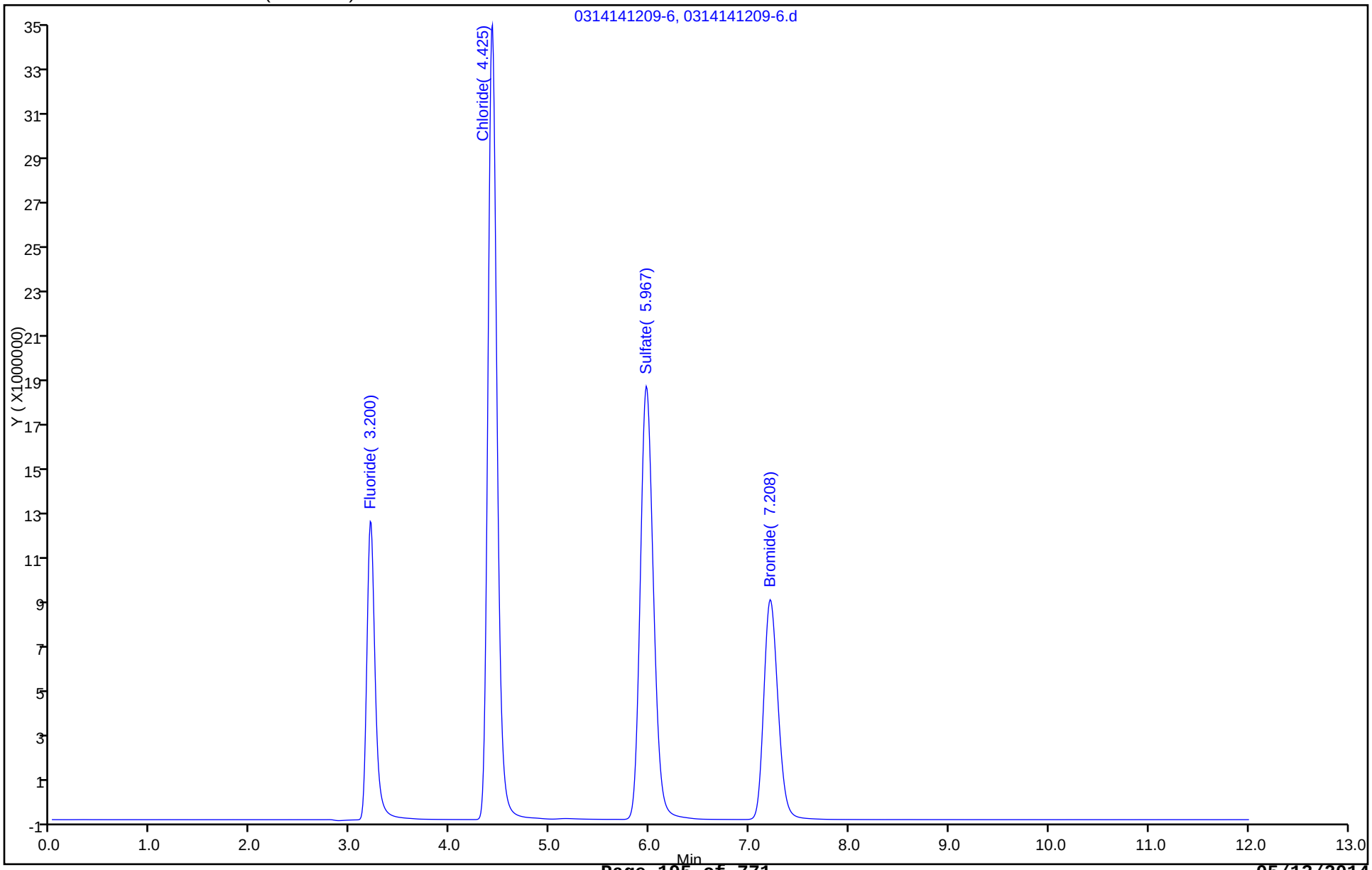
Lims ID: LCS Worklist Smp#: 6

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: LCS 680-319688/45
Matrix: Water
Lab File ID: 0314142131-45.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/14/2014 21:31
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319688
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	10.0		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314142131-45.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	14-Mar-2014 21:31:00	ALS Bottle#:	0	Worklist Smp#:	45
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 1L031414 connie				
Misc. Info.:	1384 3471870				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:34	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	73929058	2.04	
2 Chloride	4.425	4.425	0.0	220760521	10.0	
3 Sulfate	5.967	5.967	0.0	164271750	9.90	
4 Bromide	7.217	7.208	0.009	94359741	10.1	

Report Date: 18-Mar-2014 09:47:35 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0314142131-45.d

Injection Date: 14-Mar-2014 21:31:00 Instrument ID: CICL Operator ID:

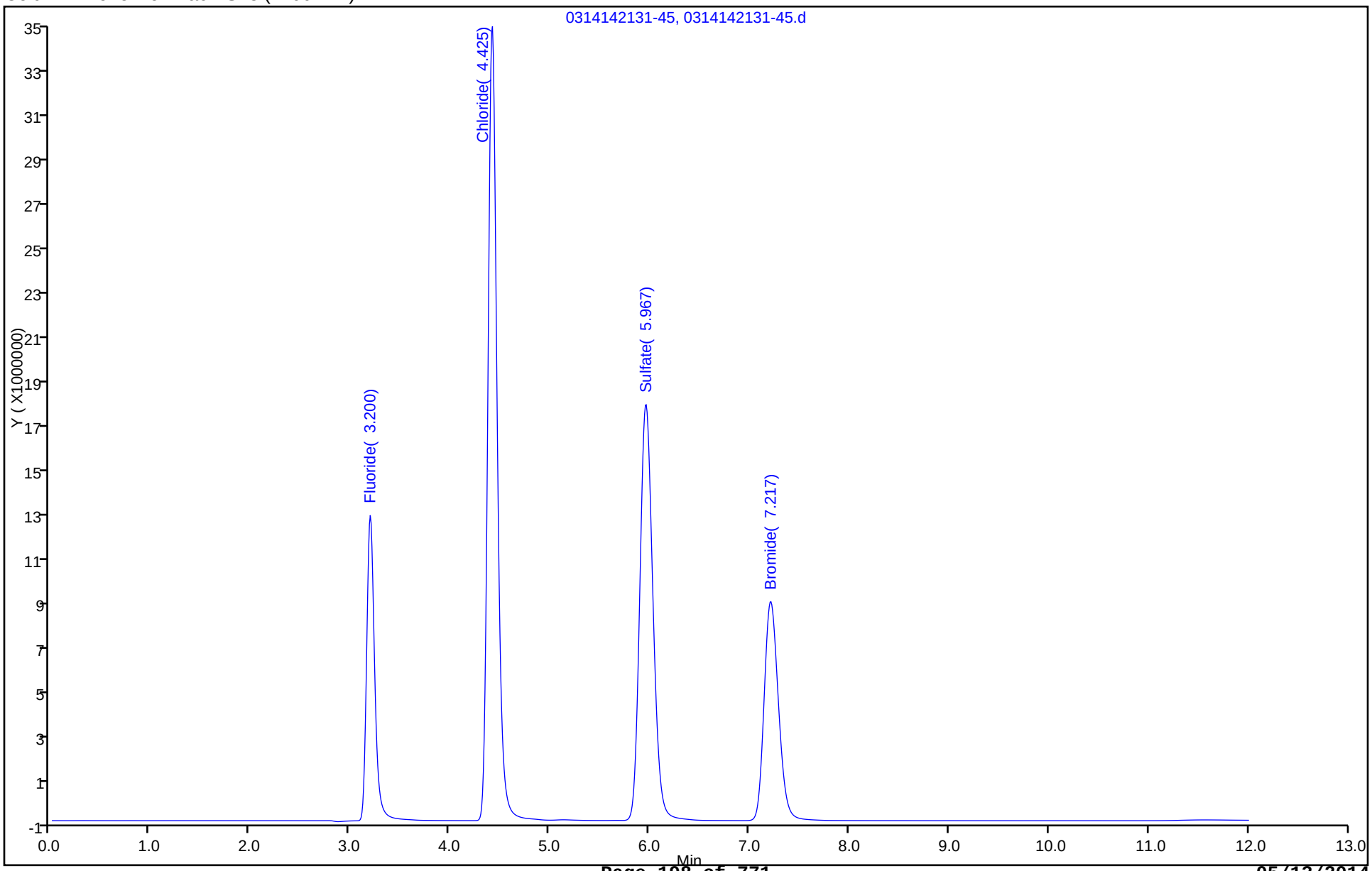
Lims ID: LCS Worklist Smp#: 45

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: LCSD 680-319351/48
Matrix: Water
Lab File ID: 0312142235-48.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/12/2014 22:35
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319351
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.1		0.50	0.25
16984-48-8	Fluoride	2.06		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\0312142235-48.d				
Lims ID:	LCSD				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	12-Mar-2014 22:35:00	ALS Bottle#:	0	Worklist Smp#:	48
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 1L031214 connie				
Misc. Info.:	28412 3471870				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	13-Mar-2014 10:41:53	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	74588951	2.06	
2 Chloride	4.417	4.417	0.0	221006022	10.0	
3 Sulfate	5.933	5.933	0.0	168037459	10.1	
4 Bromide	7.200	7.200	0.0	94368862	10.1	

Report Date: 13-Mar-2014 10:41:55 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140312-7087.b\0312142235-48.d

Injection Date: 12-Mar-2014 22:35:00 Instrument ID: CICL Operator ID:

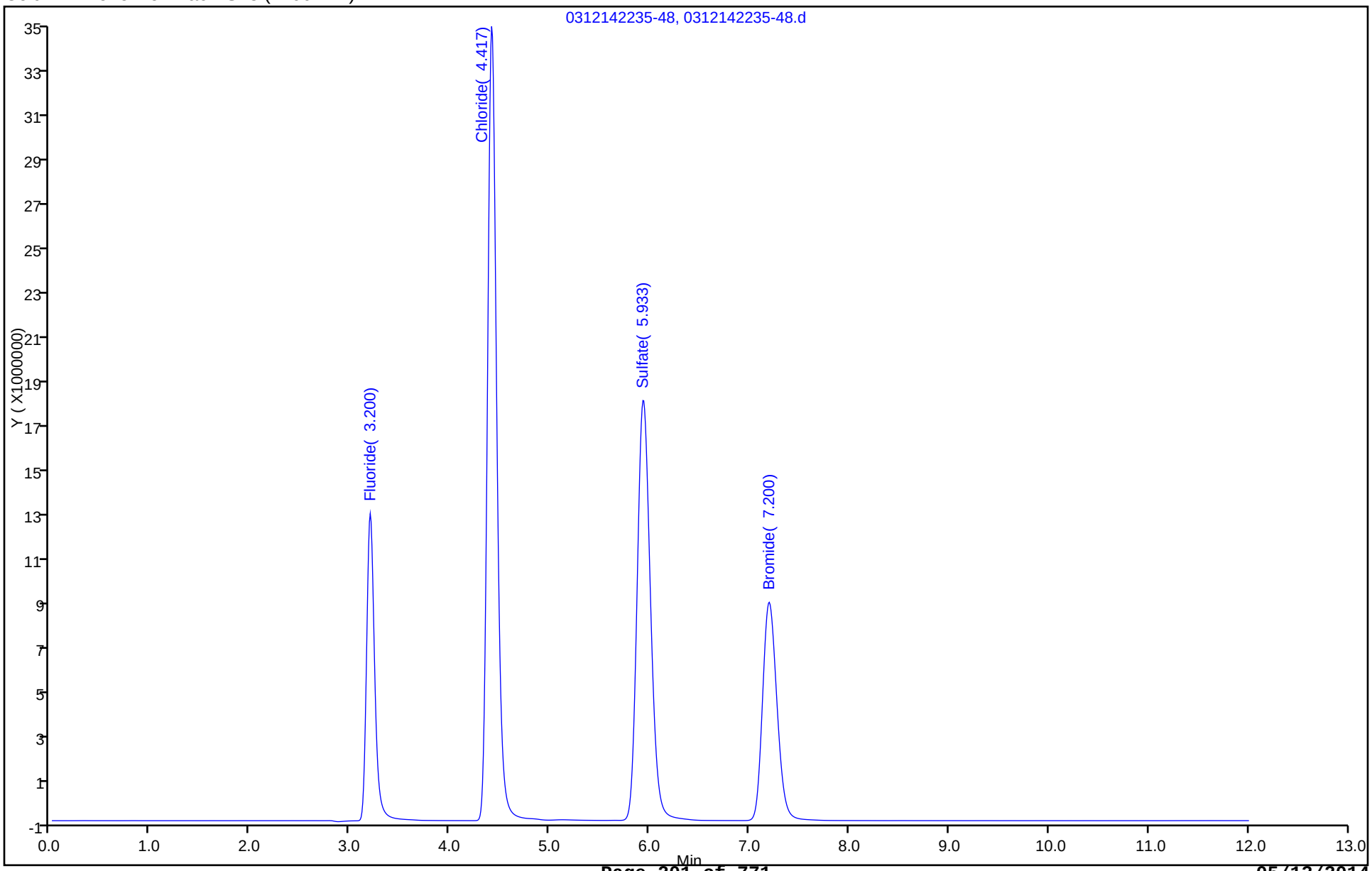
Lims ID: LCSD Worklist Smp#: 48

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: LCSD 680-319563/34
Matrix: Water
Lab File ID: 0313142253-34.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/13/2014 22:53
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319563
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.1		0.50	0.25
16984-48-8	Fluoride	2.05		0.10	0.025
16887-00-6	Chloride	9.95		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\0313142253-34.d				
Lims ID:	LCSD				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	13-Mar-2014 22:53:00	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 1L031314 connie				
Misc. Info.:	11803 3471870				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140313-7140.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	14-Mar-2014 10:12:28	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK010				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	74304071	2.05	
2 Chloride	4.425	4.425	0.0	219297480	9.95	
3 Sulfate	5.967	5.975	-0.008	167757458	10.1	
4 Bromide	7.225	7.225	0.0	93652687	10.0	

Report Date: 14-Mar-2014 10:12:29 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140313-7140.b\0313142253-34.d

Injection Date: 13-Mar-2014 22:53:00 Instrument ID: CICL Operator ID:

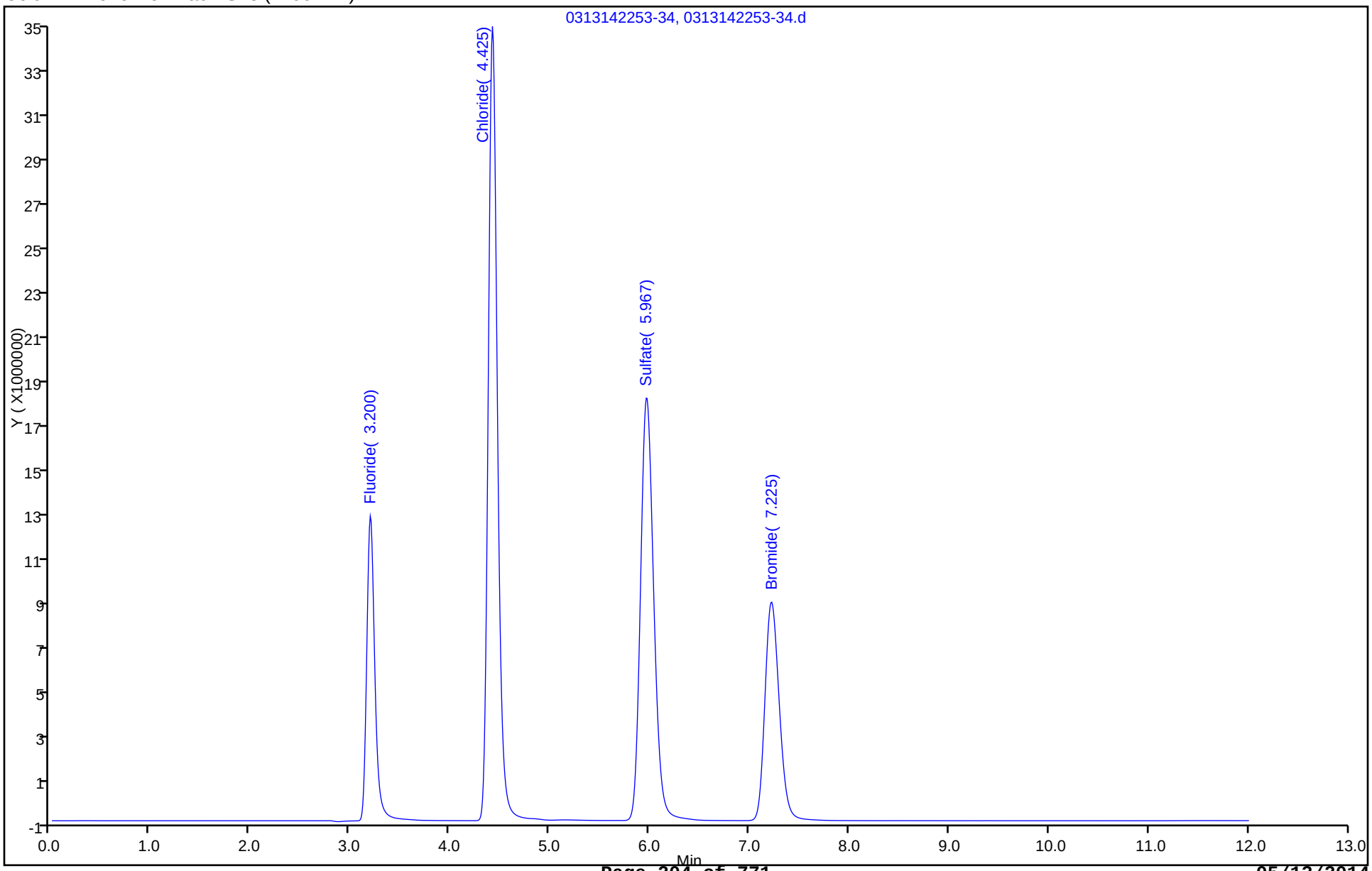
Lims ID: LCSD Worklist Smp#: 34

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: LCSD 680-319653/7
Matrix: Water
Lab File ID: 0314141223-7.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/14/2014 12:23
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319653
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	10.5		0.50	0.25
16984-48-8	Fluoride	2.12		0.10	0.025
16887-00-6	Chloride	10.1		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141223-7.d
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 14-Mar-2014 12:23:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 1L031414 connie
Misc. Info.: 7 3471870
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 18-Mar-2014 09:47:23 Calib Date: 28-Feb-2014 06:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d

Column 1 : Dionex Ion Pac AS18 (4.00 mm) Det: 0423131702-17
Process Host: XAWRK025

First Level Reviewer: thorntonp Date: 14-Mar-2014 13:28:55

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.208	3.200	0.008	76779781	2.12	
2 Chloride	4.425	4.425	0.0	221998601	10.1	
3 Sulfate	5.967	5.967	0.0	173988251	10.5	
4 Bromide	7.208	7.208	0.0	94685362	10.2	

Report Date: 18-Mar-2014 09:47:24 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0314141223-7.d

Injection Date: 14-Mar-2014 12:23:00 Instrument ID: CICL Operator ID:

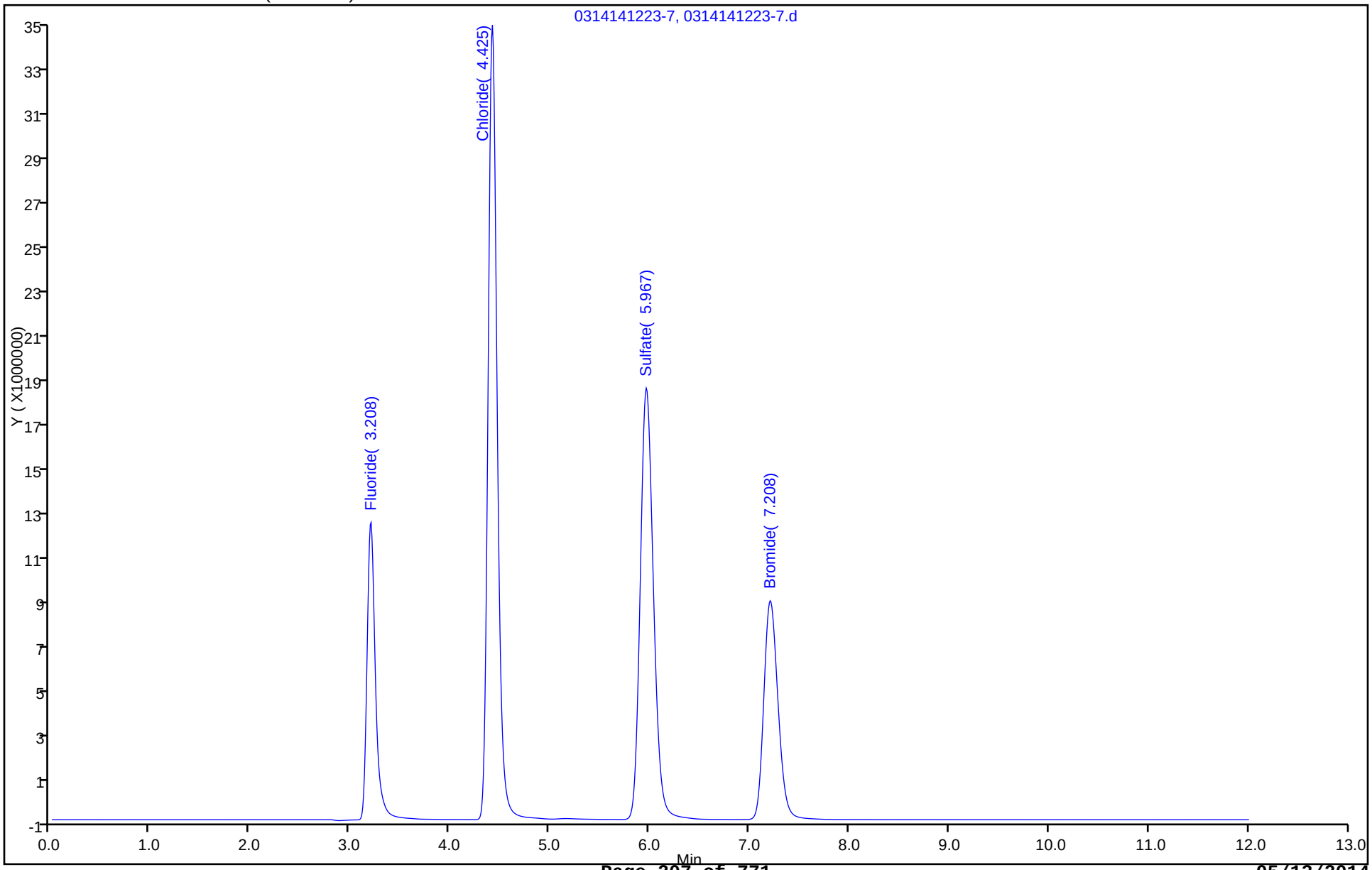
Lims ID: LCSD Worklist Smp#: 7

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: LCSD 680-319688/46
Matrix: Water
Lab File ID: 0314142145-46.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/14/2014 21:45
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 319688
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	9.99		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\0314142145-46.d				
Lims ID:	LCSD				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	14-Mar-2014 21:45:00	ALS Bottle#:	0	Worklist Smp#:	46
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 1L031414 connie				
Misc. Info.:	1247 3471870				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140314-7160.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	18-Mar-2014 09:47:34	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK025				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.200	3.200	0.0	74270909	2.05	
2 Chloride	4.425	4.425	0.0	220263146	10.0	
3 Sulfate	5.958	5.967	-0.009	165545952	9.98	
4 Bromide	7.208	7.208	0.0	94142184	10.1	

Report Date: 18-Mar-2014 09:47:35 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140314-7160.b\0314142145-46.d

Injection Date: 14-Mar-2014 21:45:00 Instrument ID: CICL Operator ID:

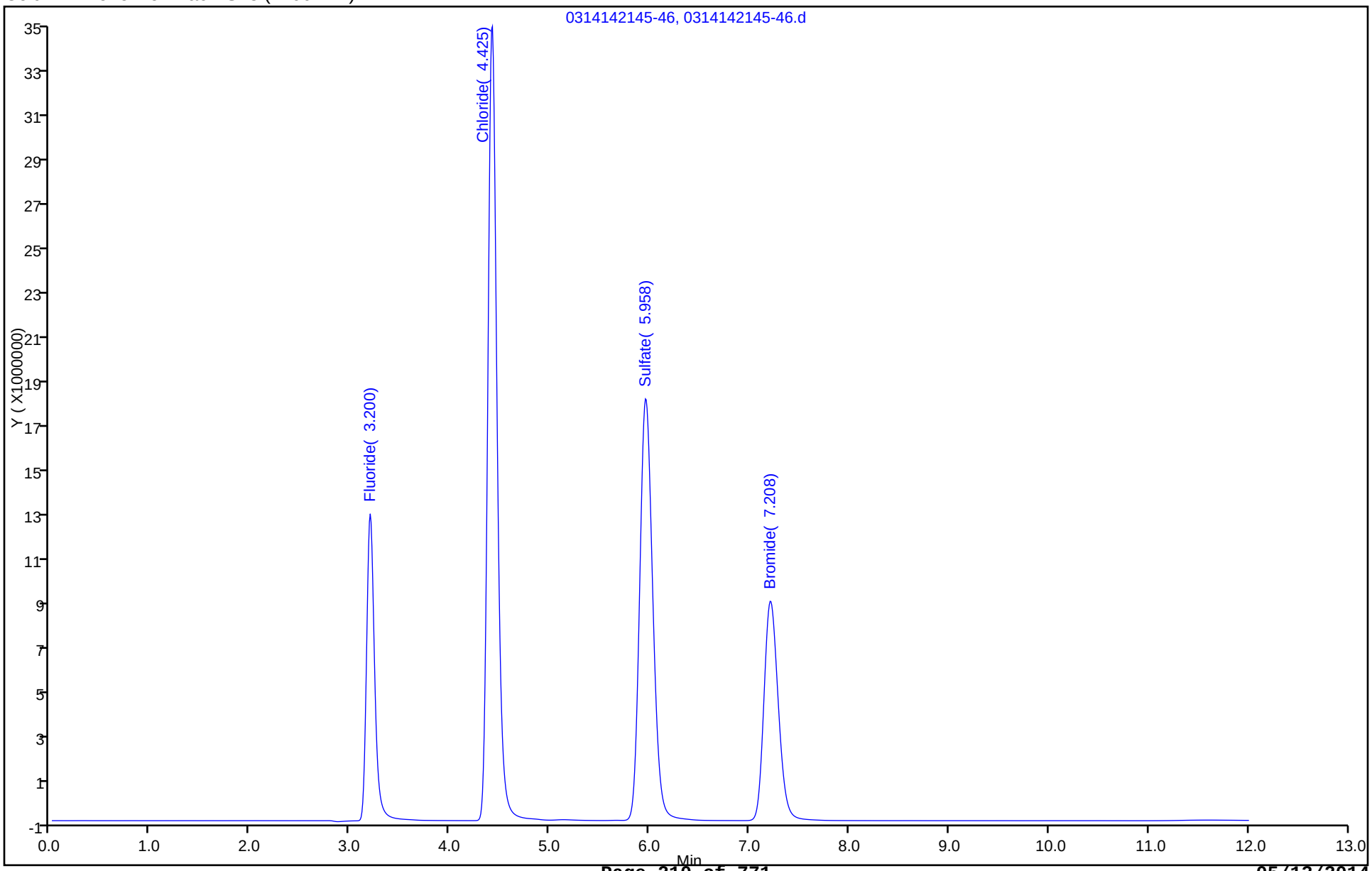
Lims ID: LCSD Worklist Smp#: 46

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW08A MS Lab Sample ID: 680-99170-1 MS

Matrix: Water Lab File ID: 0312142303-50.d

Analysis Method: 300.0 Date Collected: 03/05/2014 09:40

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/12/2014 23:03

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319351 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	85.6		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\0312142303-50.d				
Lims ID:	680-99170-F-1 MS				
Client ID:					
Sample Type:	MS				
Inject. Date:	12-Mar-2014 23:03:00	ALS Bottle#:	0	Worklist Smp#:	50
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99170-F-1 MS 1L031214 connie				
Misc. Info.:	4446 3434842				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140312-7087.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	13-Mar-2014 10:41:53	Calib Date:	28-Feb-2014 06:22:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.217	3.200	0.017	3778310583	103.9	E
2 Chloride	4.383	4.417	-0.034	30954085452	1393.5	E
3 Sulfate	5.825	5.933	-0.108	1422124245	85.6	E
4 Bromide	7.192	7.200	-0.008	98835663	10.6	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Report Date: 13-Mar-2014 10:41:55 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140312-7087.b\0312142303-50.d

Injection Date: 12-Mar-2014 23:03:00 Instrument ID: CICL Operator ID:

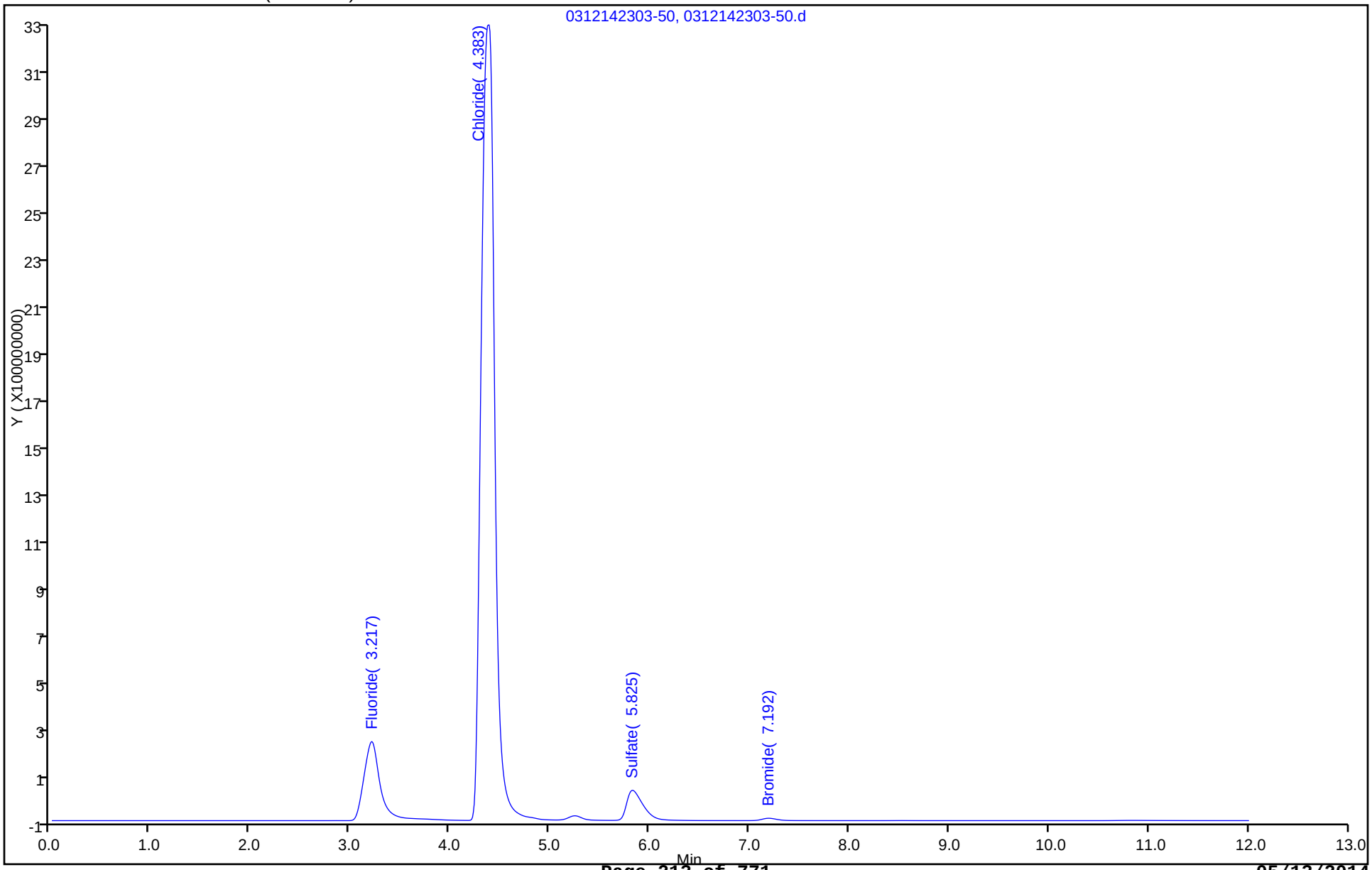
Lims ID: 680-99170-F-1 MS Worklist Smp#: 50

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW08A MSD Lab Sample ID: 680-99170-1 MSD

Matrix: Water Lab File ID: 0312142318-51.d

Analysis Method: 300.0 Date Collected: 03/05/2014 09:40

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/12/2014 23:18

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 319351 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	85.6		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140312-7087.b\0312142318-51.d
Lims ID: 680-99170-F-1 MSD
Client ID:
Sample Type: MSD
Inject. Date: 12-Mar-2014 23:18:00 ALS Bottle#: 0 Worklist Smp#: 51
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: 680-99170-F-1 MSD 1L031214 connie
Misc. Info.: 9353 3434842
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140312-7087.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 13-Mar-2014 10:41:53 Calib Date: 28-Feb-2014 06:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICL\20140227-6783.b\0228140622-80.d

Column 1 : Dionex Ion Pac AS18 (4.00 mm) Det: 0423131702-17
Process Host: XAWRK009

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.217	3.200	0.017	3779351597	103.9	E
2 Chloride	4.383	4.417	-0.034	30988076810	1395.0	E
3 Sulfate	5.833	5.933	-0.100	1421418513	85.6	E
4 Bromide	7.192	7.200	-0.008	98890823	10.6	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Report Date: 13-Mar-2014 10:41:56 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140312-7087.b\0312142318-51.d

Injection Date: 12-Mar-2014 23:18:00 Instrument ID: CICL Operator ID:

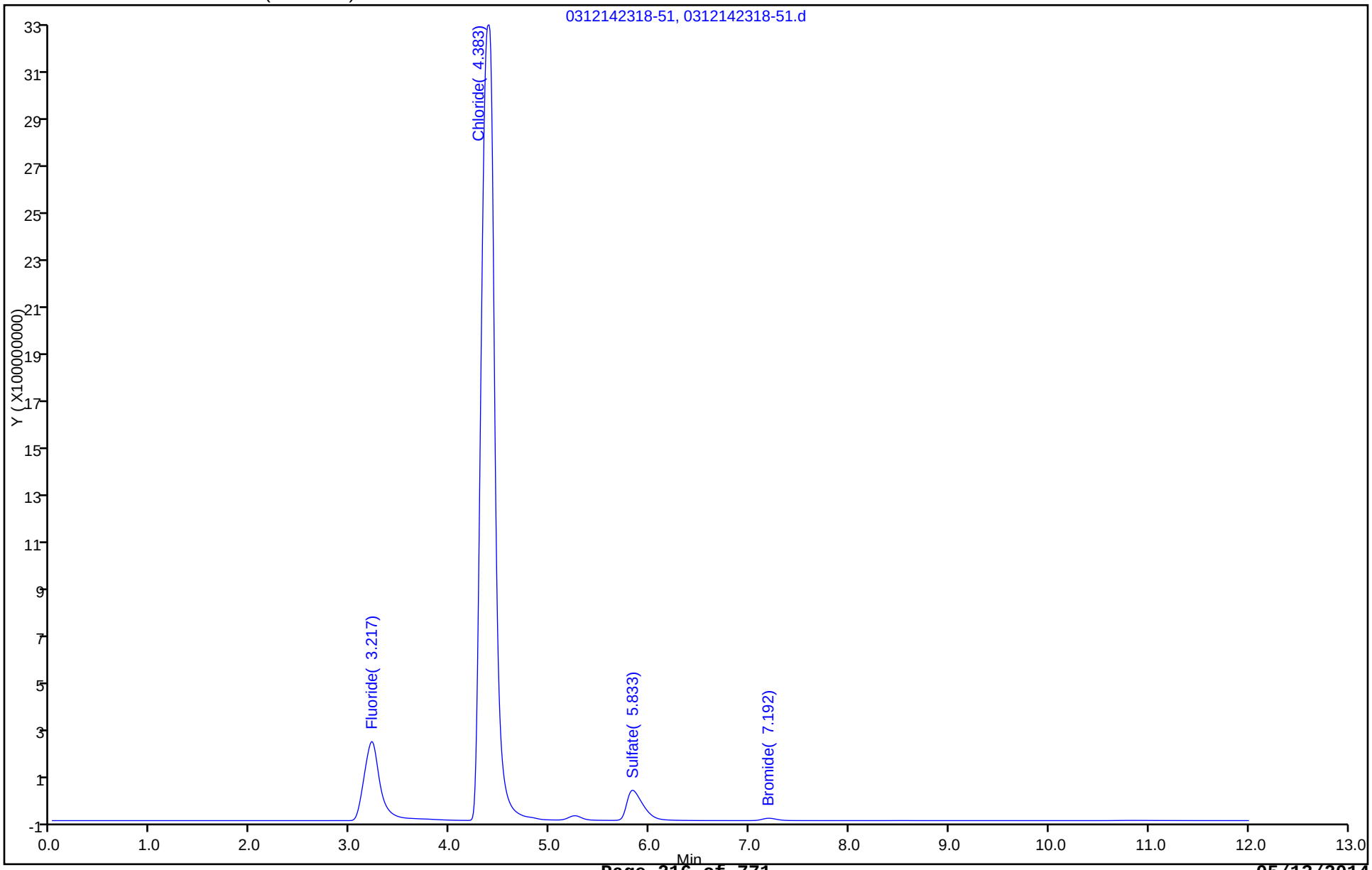
Lims ID: 680-99170-F-1 MSD Worklist Smp#: 51

Client ID:

Injection Vol: 25.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 300.0_9056A_CICL Limit Group: Anions - 28D - ORGFRMS

Column: Dionex Ion Pac AS18 (4.00 mm)



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: CICL Start Date: 02/28/2014 04:56

Analysis Batch Number: 317700 End Date: 02/28/2014 07:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 680-317700/1		02/28/2014 04:56	1	0228140456-74.d	Dionex AS18 4(mm)
IC 680-317700/2		02/28/2014 05:10	1	0228140510-75.d	Dionex AS18 4(mm)
IC 680-317700/3		02/28/2014 05:24	1	0228140524-76.d	Dionex AS18 4(mm)
IC 680-317700/4		02/28/2014 05:39	1	0228140539-77.d	Dionex AS18 4(mm)
IC 680-317700/5		02/28/2014 05:53	1	0228140553-78.d	Dionex AS18 4(mm)
IC 680-317700/6		02/28/2014 06:08	1	0228140608-79.d	Dionex AS18 4(mm)
IC 680-317700/7		02/28/2014 06:22	1	0228140622-80.d	Dionex AS18 4(mm)
ICB 680-317700/8		02/28/2014 06:36	1	0228140636-81.d	Dionex AS18 4(mm)
ICV 680-317700/9		02/28/2014 06:51	1	0228140651-82.d	Dionex AS18 4(mm)
CCV 680-317700/10		02/28/2014 07:05	1		Dionex AS18 4(mm)
CCB 680-317700/11		02/28/2014 07:20	1		Dionex AS18 4(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: CICL Start Date: 03/12/2014 21:51

Analysis Batch Number: 319351 End Date: 03/13/2014 01:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-319351/45		03/12/2014 21:51	1	0312142151-45.d	Dionex AS18 4(mm)
MB 680-319351/46		03/12/2014 22:06	1	0312142206-46.d	Dionex AS18 4(mm)
LCS 680-319351/47		03/12/2014 22:20	1	0312142220-47.d	Dionex AS18 4(mm)
LCSD 680-319351/48		03/12/2014 22:35	1	0312142235-48.d	Dionex AS18 4(mm)
680-99170-1	SMSMW08A	03/12/2014 22:49	1	0312142249-49.d	Dionex AS18 4(mm)
680-99170-1 MS	SMSMW08A MS	03/12/2014 23:03	1	0312142303-50.d	Dionex AS18 4(mm)
680-99170-1 MSD	SMSMW08A MSD	03/12/2014 23:18	1	0312142318-51.d	Dionex AS18 4(mm)
680-99170-4	SMSMW12A	03/13/2014 00:01	1	0313140001-54.d	Dionex AS18 4(mm)
680-99170-6	SMSSW03	03/13/2014 00:16	2	0313140016-55.d	Dionex AS18 4(mm)
CCV 680-319351/58		03/13/2014 00:59	1	0313140059-58.d	Dionex AS18 4(mm)
CCB 680-319351/59		03/13/2014 01:13	1	0313140113-59.d	Dionex AS18 4(mm)

300.0

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: CICL Start Date: 03/13/2014 22:10

Analysis Batch Number: 319563 End Date: 03/14/2014 04:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-319563/31		03/13/2014 22:10	1	0313142210-31.d	Dionex AS18 4(mm)
MB 680-319563/32		03/13/2014 22:25	1	0313142225-32.d	Dionex AS18 4(mm)
LCS 680-319563/33		03/13/2014 22:39	1	0313142239-33.d	Dionex AS18 4(mm)
LCSD 680-319563/34		03/13/2014 22:53	1	0313142253-34.d	Dionex AS18 4(mm)
ZZZZZ		03/13/2014 23:08	1		Dionex AS18 4(mm)
ZZZZZ		03/13/2014 23:22	1		Dionex AS18 4(mm)
ZZZZZ		03/13/2014 23:37	1		Dionex AS18 4(mm)
680-99170-1	SMSMW08A	03/13/2014 23:51	5	0313142351-38.d	Dionex AS18 4(mm)
680-99170-1	SMSMW08A	03/14/2014 00:34	50	0314140034-41.d	Dionex AS18 4(mm)
680-99170-2	SMSMW03B	03/14/2014 01:03	1000	0314140103-43.d	Dionex AS18 4(mm)
CCV 680-319563/45		03/14/2014 01:32	1	0314140132-45.d	Dionex AS18 4(mm)
CCB 680-319563/46		03/14/2014 01:46	1	0314140146-46.d	Dionex AS18 4(mm)
ZZZZZ		03/14/2014 02:01	1		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 02:15	1		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 02:29	1		Dionex AS18 4(mm)
680-99170-3	SMSMW02A	03/14/2014 02:44	5	0314140244-50.d	Dionex AS18 4(mm)
680-99170-3	SMSMW02A	03/14/2014 03:27	100	0314140327-53.d	Dionex AS18 4(mm)
680-99170-4	SMSMW12A	03/14/2014 03:56	10	0314140356-55.d	Dionex AS18 4(mm)
CCV 680-319563/57		03/14/2014 04:25	1	0314140425-57.d	Dionex AS18 4(mm)
CCB 680-319563/58		03/14/2014 04:39	1	0314140439-58.d	Dionex AS18 4(mm)

300.0

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: CICL Start Date: 03/14/2014 11:40

Analysis Batch Number: 319653 End Date: 03/14/2014 16:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-319653/4		03/14/2014 11:40	1	0314141140-4.d	Dionex AS18 4(mm)
MB 680-319653/5		03/14/2014 11:55	1	0314141155-5.d	Dionex AS18 4(mm)
LCS 680-319653/6		03/14/2014 12:09	1	0314141209-6.d	Dionex AS18 4(mm)
LCSD 680-319653/7		03/14/2014 12:23	1	0314141223-7.d	Dionex AS18 4(mm)
ZZZZZ		03/14/2014 12:52	1		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 13:07	1		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 13:21	1		Dionex AS18 4(mm)
680-99170-2	SMSMW03B	03/14/2014 13:35	250	0314141335-12.d	Dionex AS18 4(mm)
680-99170-6	SMSSW03	03/14/2014 14:04	10	0314141404-14.d	Dionex AS18 4(mm)
CCV 680-319653/16		03/14/2014 14:33	1	0314141433-16.d	Dionex AS18 4(mm)
CCB 680-319653/17		03/14/2014 14:48	1	0314141448-17.d	Dionex AS18 4(mm)
680-99170-7	SMSMW04A	03/14/2014 15:02	25	0314141502-18.d	Dionex AS18 4(mm)
680-99170-8	SMSMW01A	03/14/2014 15:45	25	0314141545-21.d	Dionex AS18 4(mm)
CCV 680-319653/24		03/14/2014 16:28	1	0314141628-24.d	Dionex AS18 4(mm)
CCB 680-319653/25		03/14/2014 16:43	1	0314141643-25.d	Dionex AS18 4(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: CICL Start Date: 03/14/2014 21:02

Analysis Batch Number: 319688 End Date: 03/15/2014 04:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-319688/43		03/14/2014 21:02	1	0314142102-43.d	Dionex AS18 4(mm)
MB 680-319688/44		03/14/2014 21:16	1	0314142116-44.d	Dionex AS18 4(mm)
LCS 680-319688/45		03/14/2014 21:31	1	0314142131-45.d	Dionex AS18 4(mm)
LCSD 680-319688/46		03/14/2014 21:45	1	0314142145-46.d	Dionex AS18 4(mm)
ZZZZZ		03/14/2014 22:00	1		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 22:14	2		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 22:29	2		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 22:43	2		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 22:57	1		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 23:12	2		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 23:26	1		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 23:41	2		Dionex AS18 4(mm)
ZZZZZ		03/14/2014 23:55	1		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 00:09	2		Dionex AS18 4(mm)
CCV 680-319688/57		03/15/2014 00:24	1	0315140024-57.d	Dionex AS18 4(mm)
CCB 680-319688/58		03/15/2014 00:38	1	0315140038-58.d	Dionex AS18 4(mm)
ZZZZZ		03/15/2014 00:53	1		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 01:07	2		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 01:21	1		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 01:36	1		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 01:50	2		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 02:05	1		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 02:19	1		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 02:33	1		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 02:48	1		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 03:02	1		Dionex AS18 4(mm)
CCV 680-319688/69		03/15/2014 03:17	1	0315140317-69.d	Dionex AS18 4(mm)
CCB 680-319688/70		03/15/2014 03:31	1	0315140331-70.d	Dionex AS18 4(mm)
680-99170-7	SMSMW04A	03/15/2014 03:45	500	0315140345-71.d	Dionex AS18 4(mm)
680-99170-8	SMSMW01A	03/15/2014 04:00	500	0315140400-72.d	Dionex AS18 4(mm)
CCV 680-319688/74		03/15/2014 04:29	1	0315140429-74.d	Dionex AS18 4(mm)
CCB 680-319688/75		03/15/2014 04:43	1	0315140443-75.d	Dionex AS18 4(mm)

300.0

300_ORGFMS

Anions, Ion Chromatography

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water Level: Low Lab File ID: 0306141021-6.d

Lab ID: LCS 680-318480/6 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Nitrite as NO2	3.28	3.26	99	90-110	
Nitrate as NO3	4.42	4.30	97	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water Level: Low Lab File ID: 0306141916-32.d

Lab ID: LCS 680-318581/32 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Nitrite as NO2	3.28	3.20	98	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water Level: Low Lab File ID: 0307141102-6.d

Lab ID: LCS 680-318770/6 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Nitrite as NO2	3.28	3.17	97	90-110	
Nitrate as NO3	4.42	4.21	95	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water Level: Low Lab File ID: 0306141036-7.d

Lab ID: LCSD 680-318480/7 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Nitrite as NO2	3.28	3.28	100	1	30	90-110	
Nitrate as NO3	4.42	4.32	98	0	30	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water Level: Low Lab File ID: 0306141932-33.d

Lab ID: LCSD 680-318581/33 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Nitrite as NO2	3.28	3.22	98	1	30	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water Level: Low Lab File ID: 0307141117-7.d

Lab ID: LCSD 680-318770/7 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Nitrite as NO2	3.28	3.17	96	0	30	90-110	
Nitrate as NO3	4.42	4.20	95	0	30	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water Level: Low Lab File ID: 0306141627-21.d

Lab ID: 680-99170-1 MS Client ID: SMSMW08A MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Nitrite as NO2	3.28	0.12 J	2.86	84	80-120	
Nitrate as NO3	4.42	<0.11	4.22	95	80-120	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water Level: Low Lab File ID: 0306141642-22.d

Lab ID: 680-99170-1 MSD Client ID: SMSMW08A MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Nitrite as NO2	3.28	2.89	84	1	30	80-120	
Nitrate as NO3	4.42	4.21	95	0	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab File ID: 0306141006-5.d Lab Sample ID: MB 680-318480/5

Matrix: Water Date Extracted:

Instrument ID: CICG Date Analyzed: 03/06/2014 10:06

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-318480/6	0306141021-6.d	03/06/2014 10:21
	LCSD 680-318480/7	0306141036-7.d	03/06/2014 10:36
	CCB 680-318480/19	0306141341-19.d	03/06/2014 13:41
SMSMW08A	680-99170-1	0306141611-20.d	03/06/2014 16:11
SMSMW08A MS	680-99170-1 MS	0306141627-21.d	03/06/2014 16:27
SMSMW08A MSD	680-99170-1 MSD	0306141642-22.d	03/06/2014 16:42
SMSMW02A	680-99170-3	0306141713-24.d	03/06/2014 17:13
SMSMW12A	680-99170-4	0306141728-25.d	03/06/2014 17:28
SMSSW03	680-99170-6	0306141744-26.d	03/06/2014 17:44
SMSMW04A	680-99170-7	0306141759-27.d	03/06/2014 17:59
SMSMW01A	680-99170-8	0306141815-28.d	03/06/2014 18:15
	CCB 680-318480/31	0306141901-31.d	03/06/2014 19:01

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab File ID: 0306141901-31.d Lab Sample ID: MB 680-318581/31

Matrix: Water Date Extracted:

Instrument ID: CICG Date Analyzed: 03/06/2014 19:01

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-318581/32	0306141916-32.d	03/06/2014 19:16
	LCSD 680-318581/33	0306141932-33.d	03/06/2014 19:32
SMSMW12A	680-99170-4	0306142120-40.d	03/06/2014 21:20
SMSMW04A	680-99170-7	0306142135-41.d	03/06/2014 21:35
SMSMW01A	680-99170-8	0306142150-42.d	03/06/2014 21:50
	CCB 680-318581/44	0306142221-44.d	03/06/2014 22:21

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab File ID: 0307141046-5.d Lab Sample ID: MB 680-318770/5

Matrix: Water Date Extracted:

Instrument ID: CICG Date Analyzed: 03/07/2014 10:46

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-318770/6	0307141102-6.d	03/07/2014 11:02
	LCSD 680-318770/7	0307141117-7.d	03/07/2014 11:17
SMSMW03B RE	680-99170-2 RE	0307141148-9.d	03/07/2014 11:48
	CCB 680-318770/16	0307141827-16.d	03/07/2014 18:27

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW08A | Lab Sample ID: 680-99170-1

Matrix: Water | Lab File ID: 0306141611-20.d

Analysis Method: 300.0 | Date Collected: 03/05/2014 09:40

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 03/06/2014 16:11

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 25(uL) | GC Column: AS18 ID: 4(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 318480 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	0.12	J	0.17	0.082
STL00672	Nitrate as NO3	<0.11		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

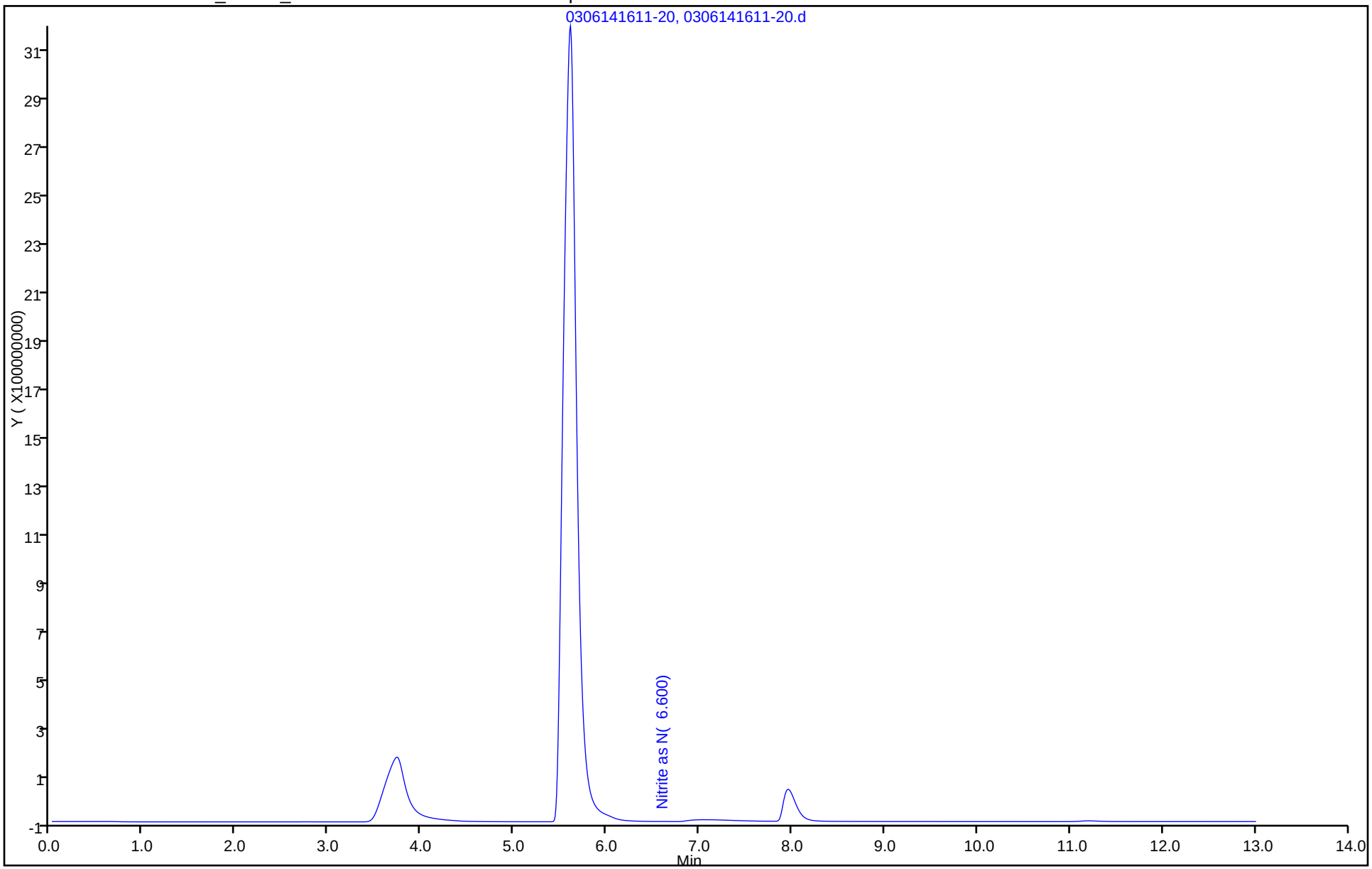
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141611-20.d				
Lims ID:	680-99170-F-1	Lab Sample ID:	680-99170-1		
Client ID:	SMSMW08A				
Sample Type:	Client				
Inject. Date:	06-Mar-2014 16:11:00	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99170-F-1 1G030614 Anion				
Misc. Info.:	10700				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:45	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				
First Level Reviewer: singhv		Date:	07-Mar-2014 08:35:18		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
5 Nitrite as N	6.600	6.625	-0.025	984233	0.0362	
S 9 Nitrite as NO2					0.1192	

Report Date: 07-Mar-2014 13:07:46 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141611-20.d				
Injection Date:	06-Mar-2014 16:11:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99170-F-1	Lab Sample ID:	680-99170-1	Worklist Smp#:	20
Client ID:	SMSMW08A				
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW03B RE Lab Sample ID: 680-99170-2 RE

Matrix: Water Lab File ID: 0307141148-9.d

Analysis Method: 300.0 Date Collected: 03/05/2014 10:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/07/2014 11:48

Con. Extract Vol.: 5(mL) Dilution Factor: 50

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318770 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<4.1	H	8.5	4.1
STL00672	Nitrate as NO3	<5.5	H	11	5.5

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140307-6991.b\0307141148-9.d				
Lims ID:	680-99170-F-2	Lab Sample ID:	680-99170-2		
Client ID:	SMSMW03B				
Sample Type:	Client				
Inject. Date:	07-Mar-2014 11:48:00	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	25.0 ul	Dil. Factor:	50.0000		
Sample Info:	680-99170-F-2 1G030714 Anion				
Misc. Info.:	9 RR				
Operator ID:		Instrument ID:	CICG		

Method:	\\SAVCHROM\ChromData\CICG\20140307-6991.b\300.0_9056A_CICG.m		
Limit Group:	Anions - 48Hr - ORGFRMS		
Last Update:	08-Mar-2014 08:04:53	Calib Date:	28-Feb-2014 16:42:00
Integrator:	Falcon		
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d		

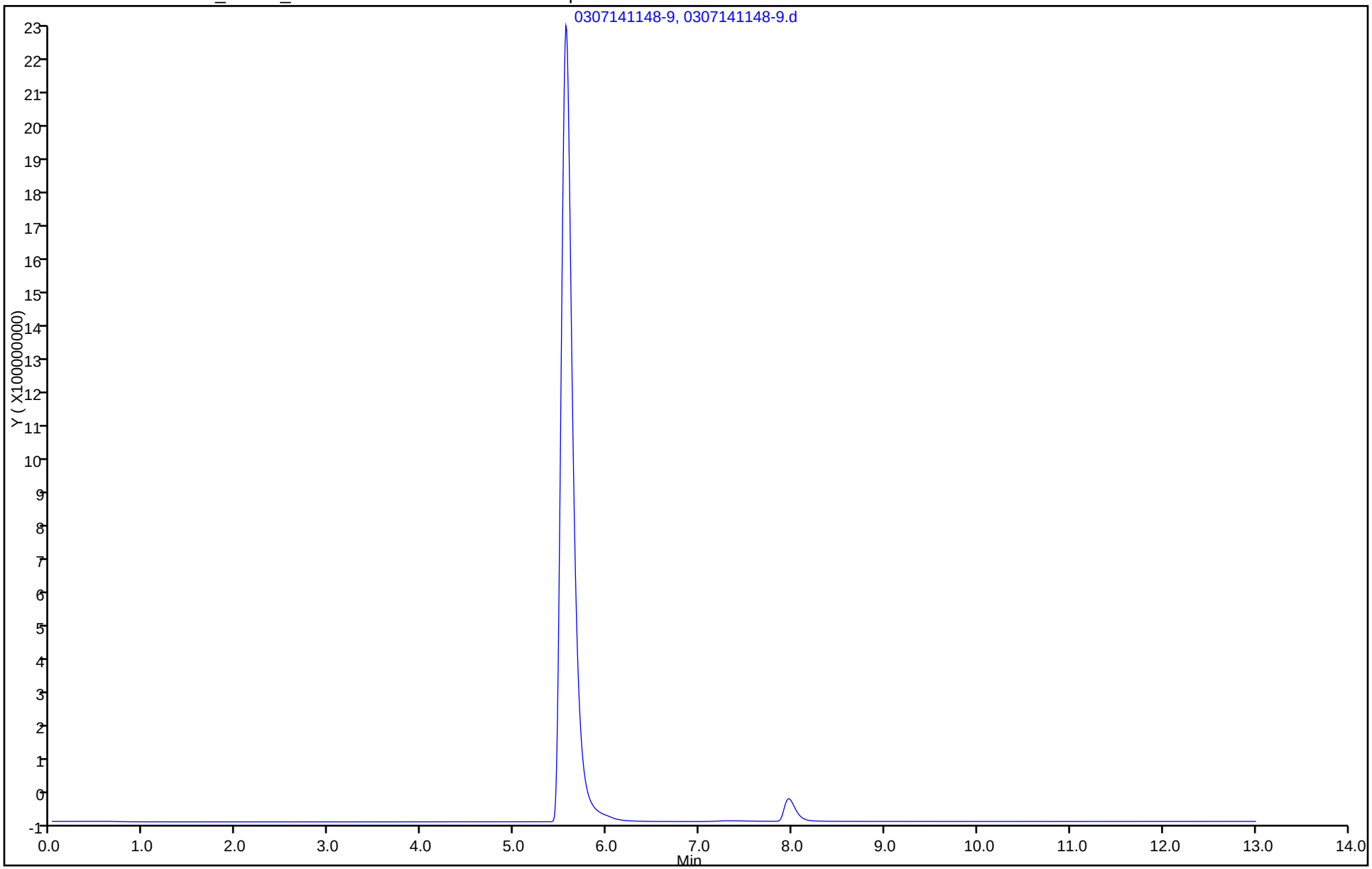
Column 1 :			Det: 0423131702-17
Process Host:	XAWRK036		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 08-Mar-2014 08:04:55 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140307-6991.b\0307141148-9.d				
Injection Date:	07-Mar-2014 11:48:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99170-F-2	Lab Sample ID:	680-99170-2	Worklist Smp#:	9
Client ID:	SMSMW03B				
Injection Vol:	25.0 ul	Dil. Factor:	50.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW02A | Lab Sample ID: 680-99170-3

Matrix: Water | Lab File ID: 0306141713-24.d

Analysis Method: 300.0 | Date Collected: 03/05/2014 10:20

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 03/06/2014 17:13

Con. Extract Vol.: 5(mL) | Dilution Factor: 2

Injection Volume: 25(uL) | GC Column: AS18 ID: 4(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 318480 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.16		0.34	0.16
STL00672	Nitrate as NO3	<0.22		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141713-24.d				
Lims ID:	680-99170-F-3	Lab Sample ID:	680-99170-3		
Client ID:	SMSMW02A				
Sample Type:	Client				
Inject. Date:	06-Mar-2014 17:13:00	ALS Bottle#:	0	Worklist Smp#:	24
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-99170-F-3 1G030614 Anion				
Misc. Info.:	19580 COLOR				
Operator ID:		Instrument ID:	CICG		

Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m		
Limit Group:	Anions - 48Hr - ORGFRMS		
Last Update:	07-Mar-2014 13:07:45	Calib Date:	28-Feb-2014 16:42:00
Integrator:	Falcon		
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d		

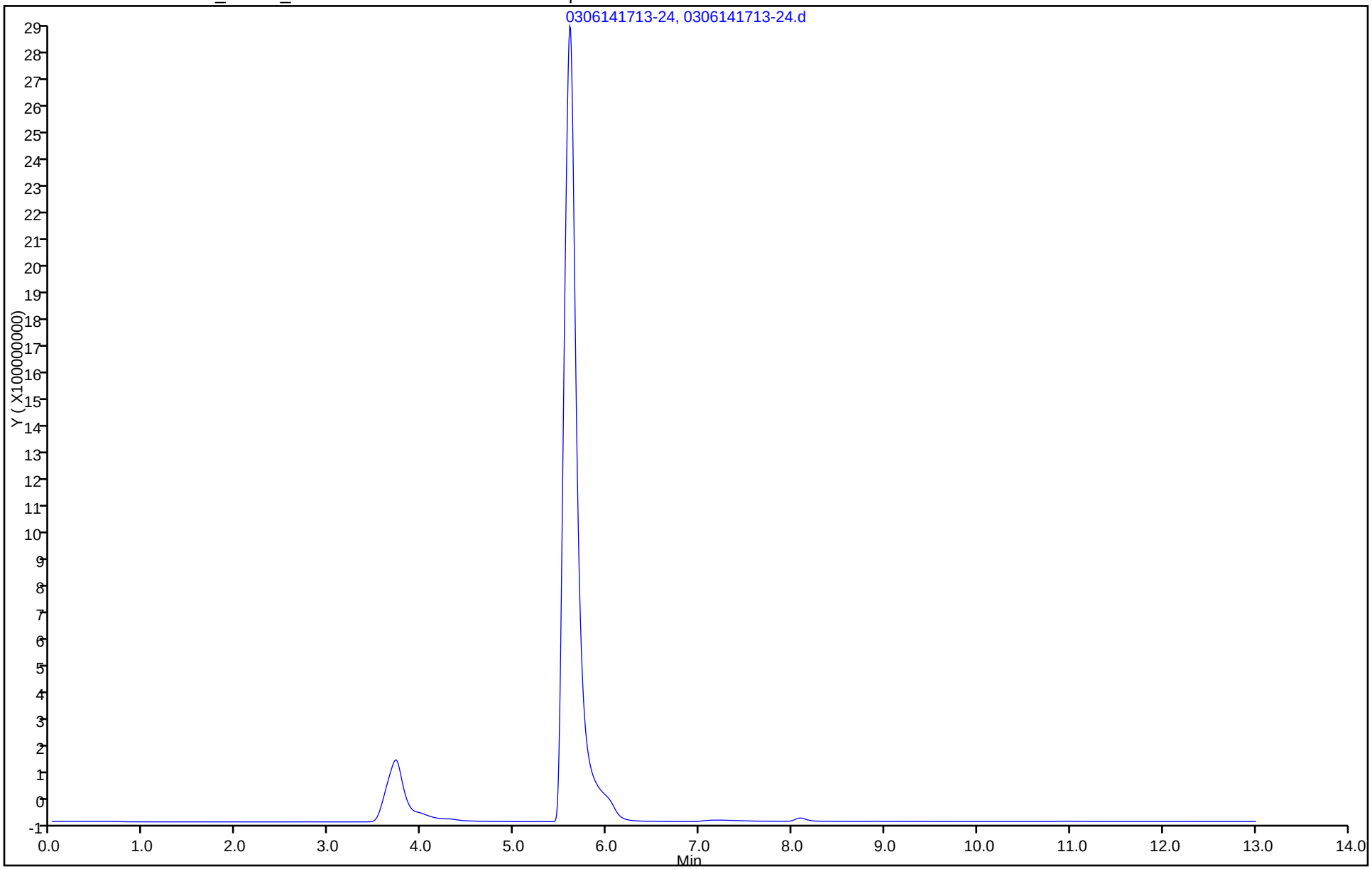
Column 1 :			Det: 0423131702-17
Process Host:	XAWRK009		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags

Report Date: 07-Mar-2014 13:07:47 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141713-24.d				
Injection Date:	06-Mar-2014 17:13:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99170-F-3	Lab Sample ID:	680-99170-3	Worklist Smp#:	24
Client ID:	SMSMW02A				
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW12A Lab Sample ID: 680-99170-4

Matrix: Water Lab File ID: 0306142120-40.d

Analysis Method: 300.0 Date Collected: 03/05/2014 11:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 21:20

Con. Extract Vol.: 5(mL) Dilution Factor: 2

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318581 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	0.17	J	0.34	0.16

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306142120-40.d				
Lims ID:	680-99170-F-4	Lab Sample ID:	680-99170-4		
Client ID:	SMSMW12A				
Sample Type:	Client				
Inject. Date:	06-Mar-2014 21:20:00	ALS Bottle#:	0	Worklist Smp#:	40
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-99170-F-4 1G030614 Anion				
Misc. Info.:	26848				
Operator ID:		Instrument ID:	CICG		

Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m		
Limit Group:	Anions - 48Hr - ORGFRMS		
Last Update:	07-Mar-2014 13:07:49	Calib Date:	28-Feb-2014 16:42:00
Integrator:	Falcon		
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d		

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.633	6.650	-0.017	490796	0.0254	
	6 Nitrate as N	9.342	9.533	-0.191	466196787	9.33	E
S	9 Nitrite as NO2					0.0837	
S	10 Nitrate as NO3					41.3	

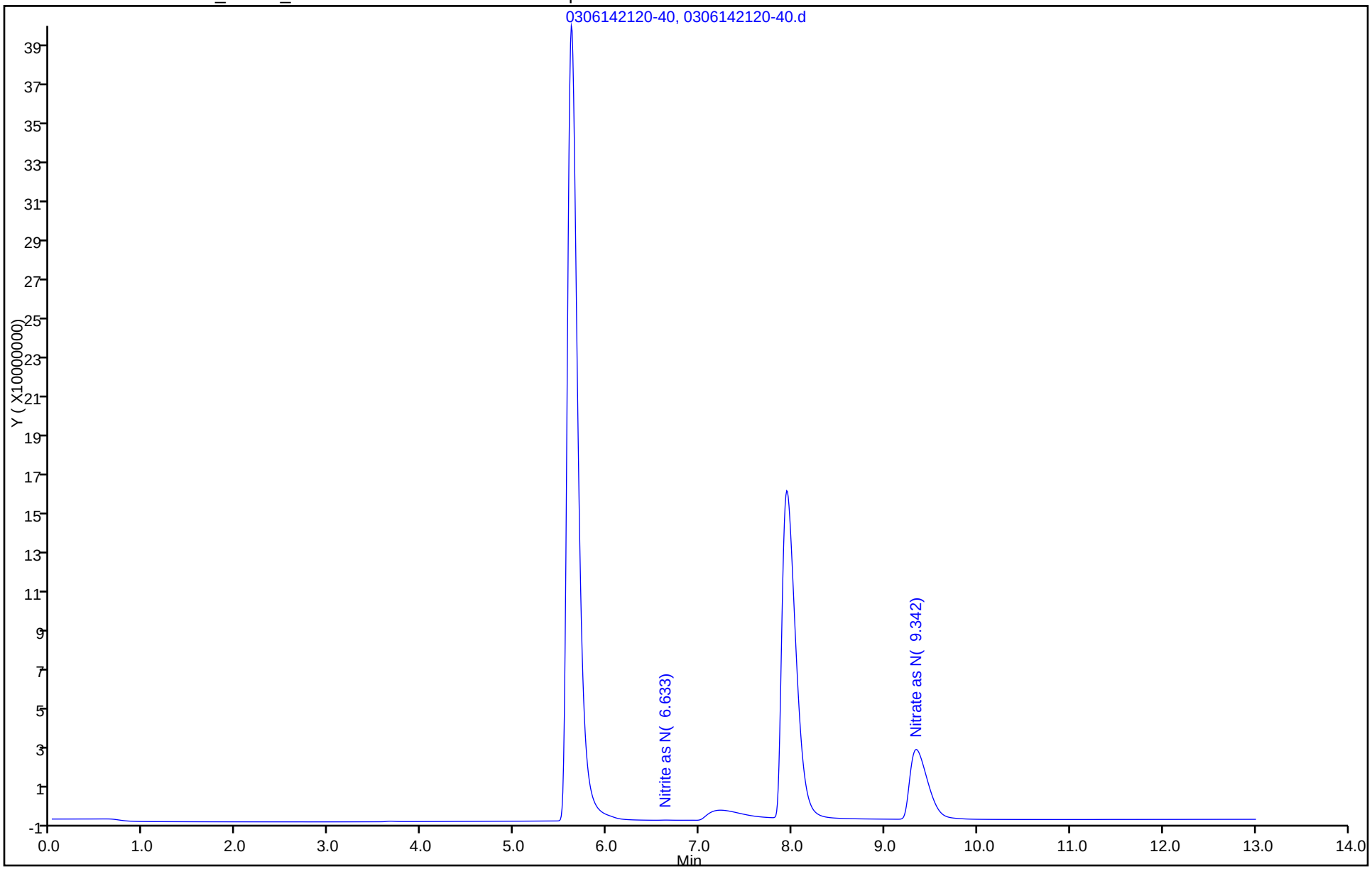
QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Report Date: 07-Mar-2014 13:07:53 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306142120-40.d				
Injection Date:	06-Mar-2014 21:20:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99170-F-4	Lab Sample ID:	680-99170-4	Worklist Smp#:	40
Client ID:	SMSMW12A				
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW12A Lab Sample ID: 680-99170-4

Matrix: Water Lab File ID: 0306141728-25.d

Analysis Method: 300.0 Date Collected: 03/05/2014 11:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 17:28

Con. Extract Vol.: 5(mL) Dilution Factor: 20

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318480 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00672	Nitrate as NO3	80		4.4	2.2

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141728-25.d
Lims ID: 680-99170-F-4 Lab Sample ID: 680-99170-4
Client ID: SMSMW12A
Sample Type: Client
Inject. Date: 06-Mar-2014 17:28:00 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 25.0 ul Dil. Factor: 20.0000
Sample Info: 680-99170-F-4 1G030614 Anion
Misc. Info.: 8090
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 13:07:45 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

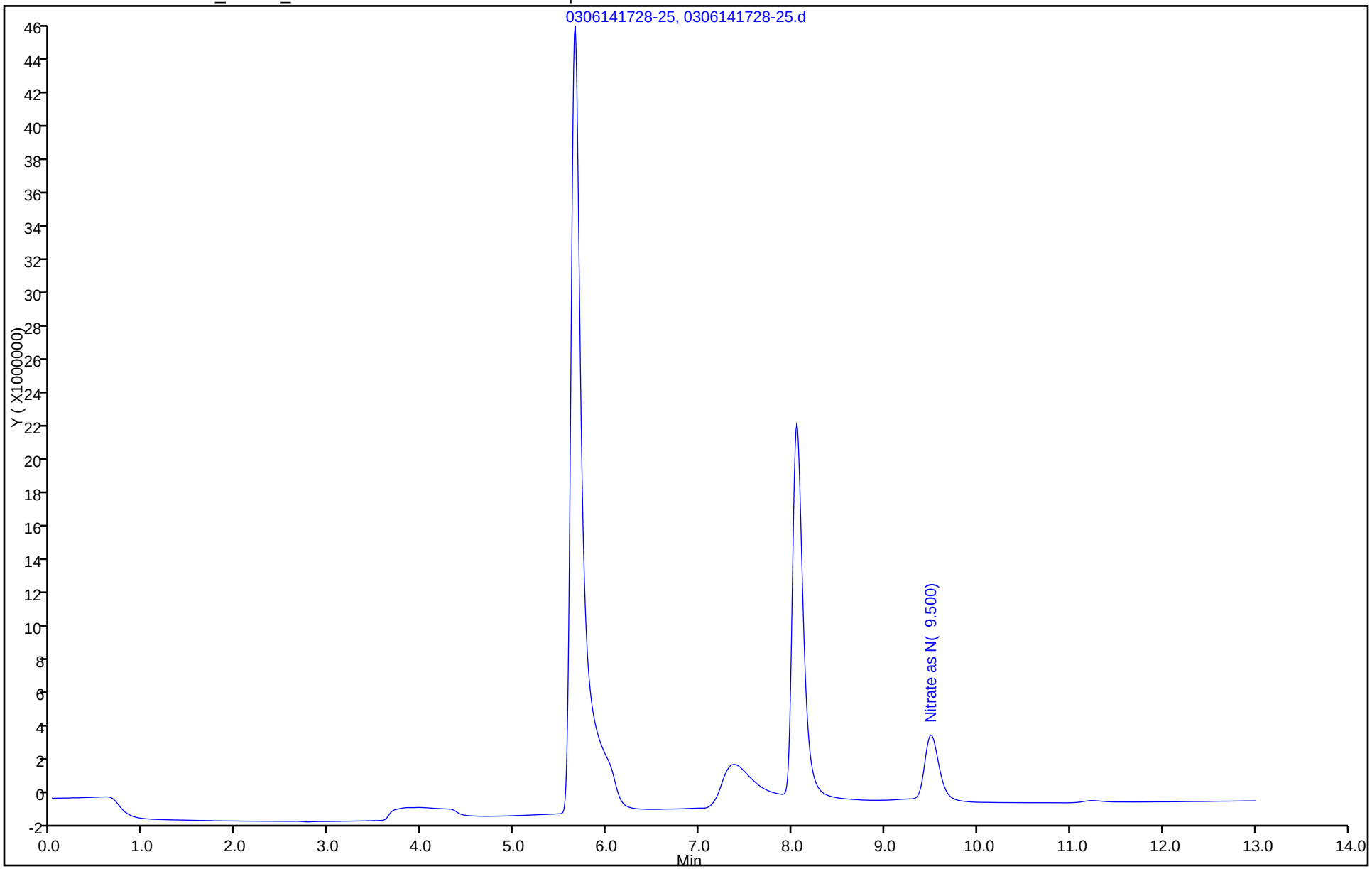
First Level Reviewer: singhv Date: 07-Mar-2014 08:37:12

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.500	9.492	0.008	44318401	0.8983	
S 10 Nitrate as NO3					3.98	

Report Date: 07-Mar-2014 13:07:47 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141728-25.d				
Injection Date:	06-Mar-2014 17:28:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99170-F-4	Lab Sample ID:	680-99170-4	Worklist Smp#:	25
Client ID:	SMSMW12A				
Injection Vol:	25.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSSW03 | Lab Sample ID: 680-99170-6

Matrix: Water | Lab File ID: 0306141744-26.d

Analysis Method: 300.0 | Date Collected: 03/05/2014 13:45

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 03/06/2014 17:44

Con. Extract Vol.: 5(mL) | Dilution Factor: 2

Injection Volume: 25(uL) | GC Column: AS18 ID: 4(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 318480 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.16		0.34	0.16
STL00672	Nitrate as NO3	15		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141744-26.d				
Lims ID:	680-99170-F-6	Lab Sample ID:	680-99170-6		
Client ID:	SMSSW03				
Sample Type:	Client				
Inject. Date:	06-Mar-2014 17:44:00	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-99170-F-6 1G030614 Anion				
Misc. Info.:	15452 COLOR				
Operator ID:		Instrument ID:	CICG		

Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m		
Limit Group:	Anions - 48Hr - ORGFRMS		
Last Update:	07-Mar-2014 13:07:45	Calib Date:	28-Feb-2014 16:42:00
Integrator:	Falcon		
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d		

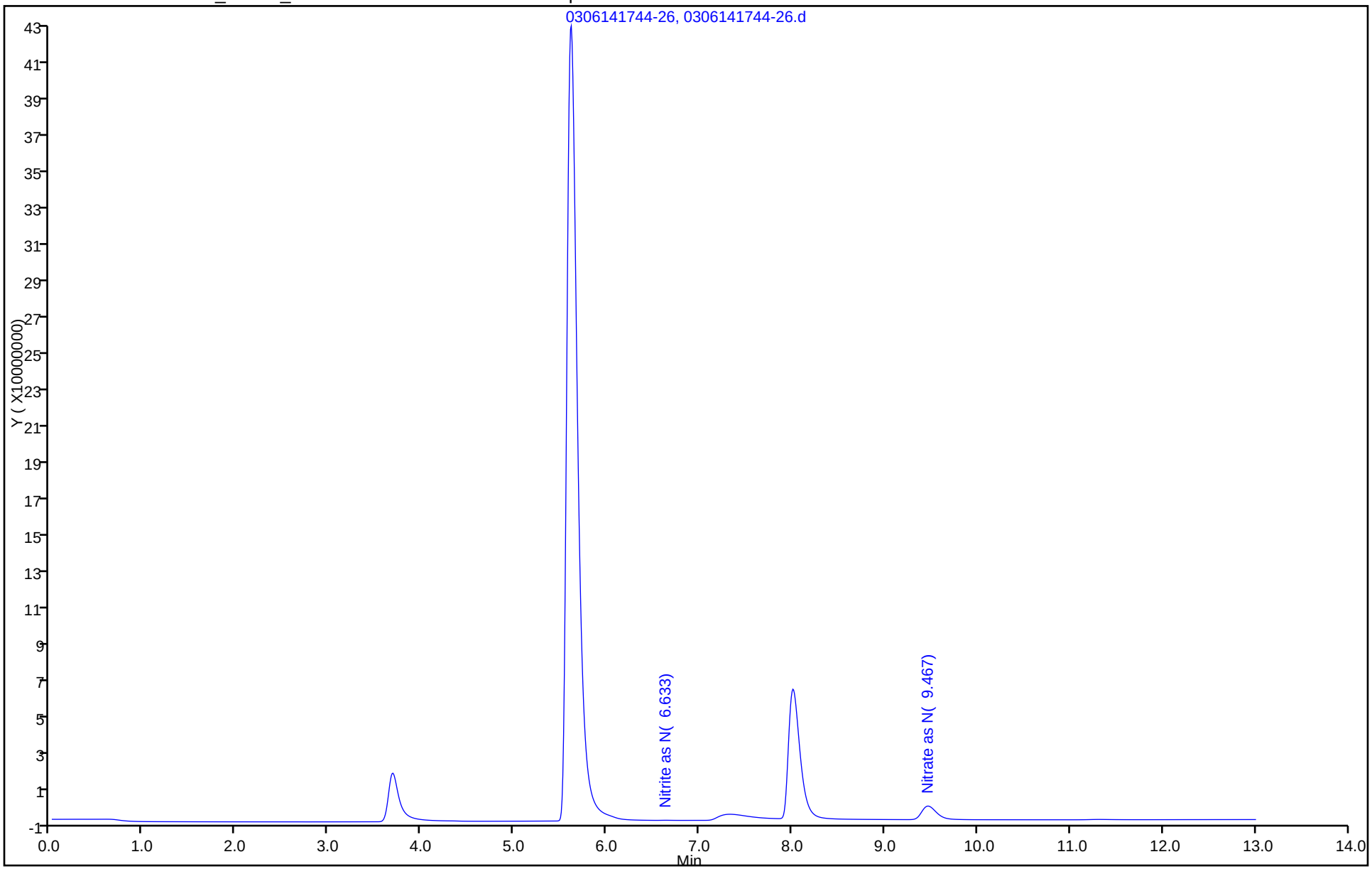
Column 1 : Det: 0423131702-17
Process Host: XAWRK009

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.633	6.625	0.008	368042	0.0227	
	6 Nitrate as N	9.467	9.492	-0.025	82809920	1.67	
S	9 Nitrite as NO2					0.0748	
S	10 Nitrate as NO3					7.38	

Report Date: 07-Mar-2014 13:07:48 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141744-26.d				
Injection Date:	06-Mar-2014 17:44:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99170-F-6	Lab Sample ID:	680-99170-6	Worklist Smp#:	26
Client ID:	SMSSW03				
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW04A | Lab Sample ID: 680-99170-7

Matrix: Water | Lab File ID: 0306142135-41.d

Analysis Method: 300.0 | Date Collected: 03/05/2014 13:44

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 03/06/2014 21:35

Con. Extract Vol.: 5(mL) | Dilution Factor: 2

Injection Volume: 25(uL) | GC Column: AS18 ID: 4(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 318581 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.16		0.34	0.16

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140306-6940.b\0306142135-41.d
Lims ID: 680-99170-F-7 Lab Sample ID: 680-99170-7
Client ID: SMSMW04A
Sample Type: Client
Inject. Date: 06-Mar-2014 21:35:00 ALS Bottle#: 0 Worklist Smp#: 41
Injection Vol: 25.0 ul Dil. Factor: 2.0000
Sample Info: 680-99170-F-7 1G030614 Anion
Misc. Info.: 32189
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 13:07:49 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.283	9.533	-0.250	645729856	12.9	E
S 10 Nitrate as NO3					57.2	

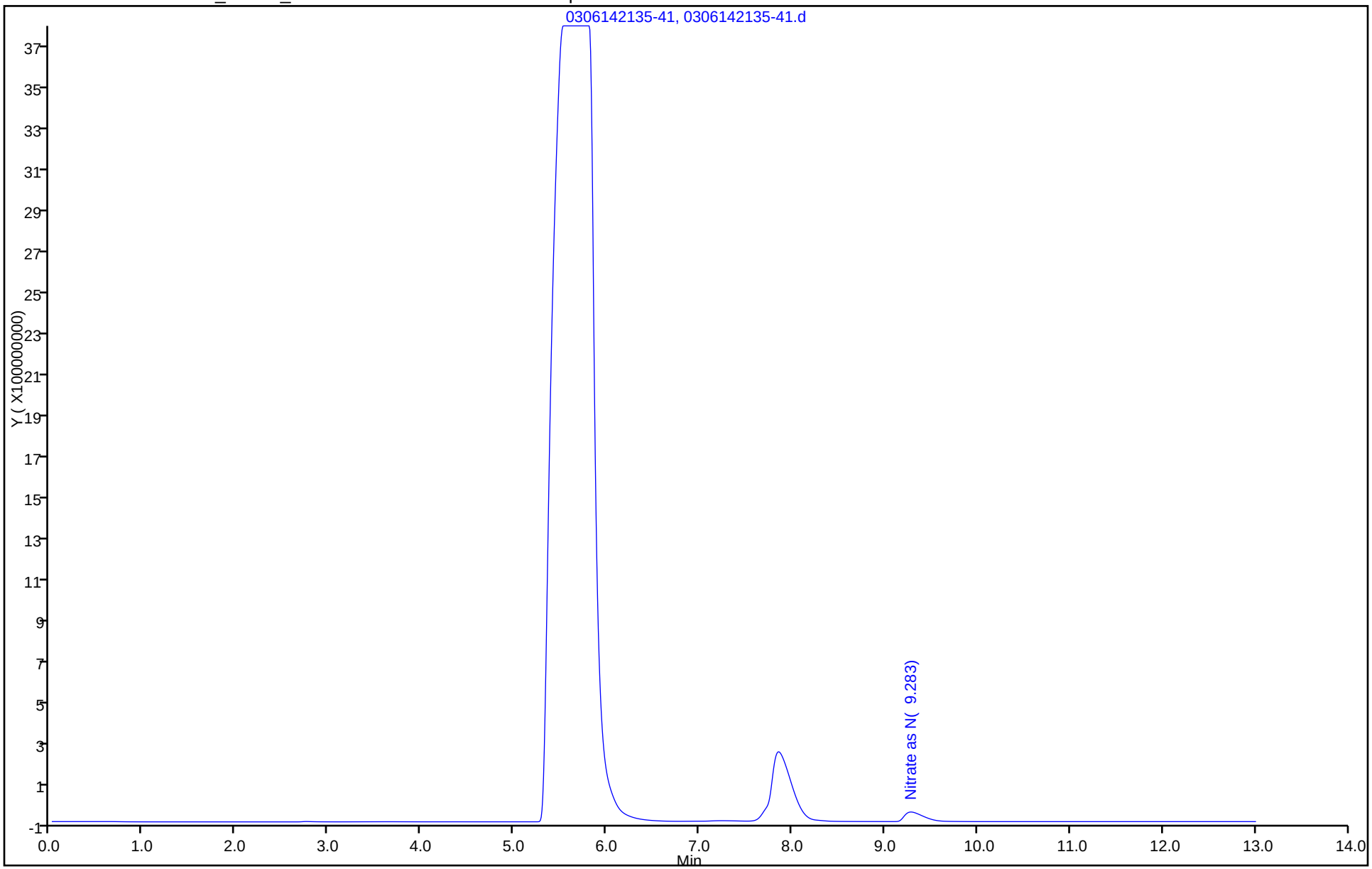
QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Report Date: 07-Mar-2014 13:07:53 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306142135-41.d				
Injection Date:	06-Mar-2014 21:35:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99170-F-7	Lab Sample ID:	680-99170-7	Worklist Smp#:	41
Client ID:	SMSMW04A				
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW04A Lab Sample ID: 680-99170-7

Matrix: Water Lab File ID: 0306141759-27.d

Analysis Method: 300.0 Date Collected: 03/05/2014 13:44

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 17:59

Con. Extract Vol.: 5(mL) Dilution Factor: 20

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318480 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00672	Nitrate as NO3	110		4.4	2.2

TestAmerica Savannah
Target Compound Quantitation Report

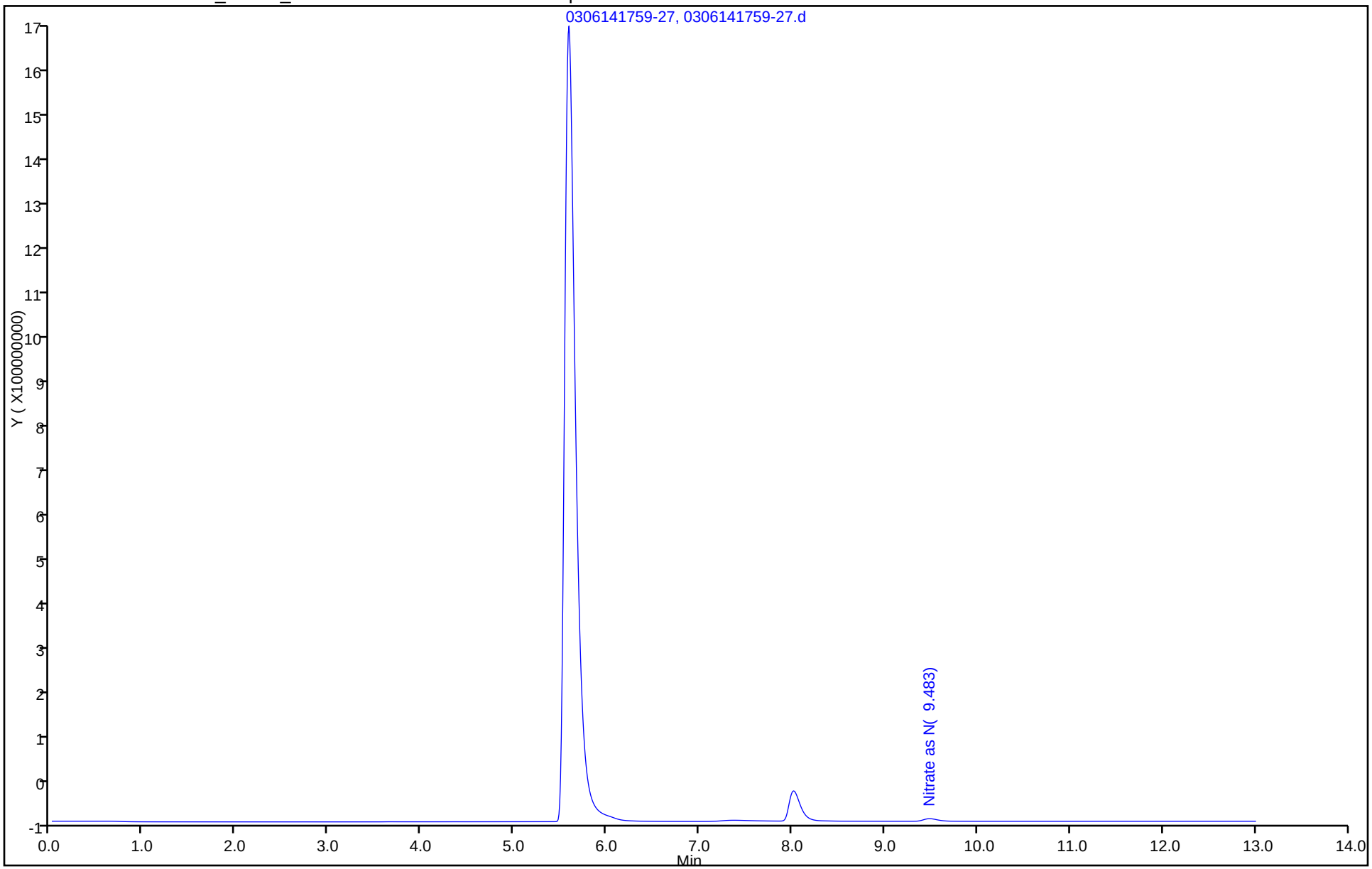
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141759-27.d				
Lims ID:	680-99170-F-7	Lab Sample ID:	680-99170-7		
Client ID:	SMSMW04A				
Sample Type:	Client				
Inject. Date:	06-Mar-2014 17:59:00	ALS Bottle#:	0	Worklist Smp#:	27
Injection Vol:	25.0 ul	Dil. Factor:	20.0000		
Sample Info:	680-99170-F-7 1G030614 Anion				
Misc. Info.:	8374				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:45	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.483	9.492	-0.009	58848983	1.19	
S 10 Nitrate as NO3					5.26	

Report Date: 07-Mar-2014 13:07:48 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141759-27.d				
Injection Date:	06-Mar-2014 17:59:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99170-F-7	Lab Sample ID:	680-99170-7	Worklist Smp#:	27
Client ID:	SMSMW04A				
Injection Vol:	25.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW01A Lab Sample ID: 680-99170-8

Matrix: Water Lab File ID: 0306142150-42.d

Analysis Method: 300.0 Date Collected: 03/05/2014 14:35

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 21:50

Con. Extract Vol.: 5(mL) Dilution Factor: 4

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318581 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.33		0.68	0.33

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140306-6940.b\0306142150-42.d
Lims ID: 680-99170-F-8 Lab Sample ID: 680-99170-8
Client ID: SMSMW01A
Sample Type: Client
Inject. Date: 06-Mar-2014 21:50:00 ALS Bottle#: 0 Worklist Smp#: 42
Injection Vol: 25.0 ul Dil. Factor: 4.0000
Sample Info: 680-99170-F-8 1G030614 Anion
Misc. Info.: 21765
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 13:07:49 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.308	9.533	-0.225	689329077	13.8	E
S 10 Nitrate as NO3					61.0	

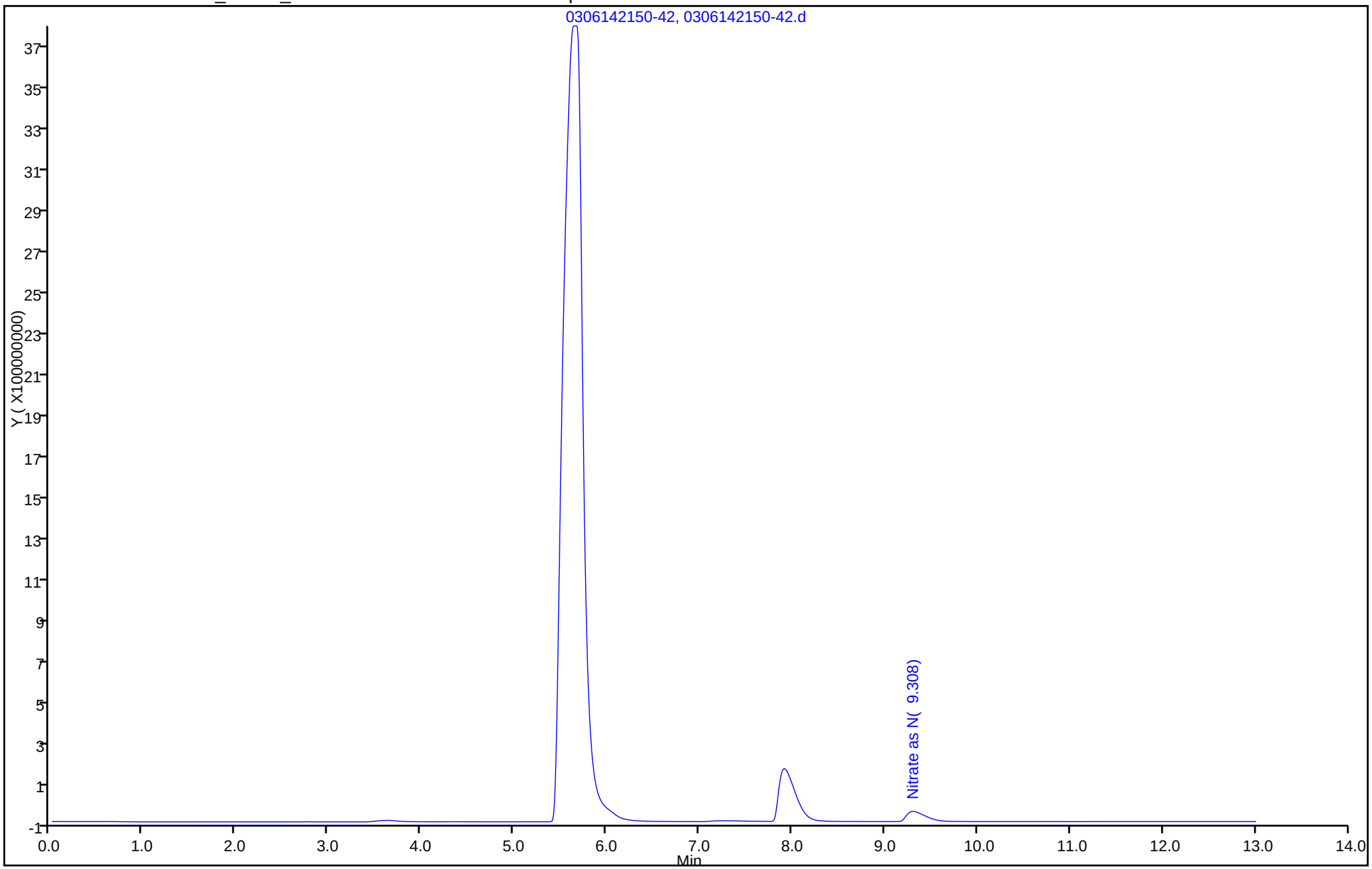
QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Report Date: 07-Mar-2014 13:07:54 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306142150-42.d				
Injection Date:	06-Mar-2014 21:50:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99170-F-8	Lab Sample ID:	680-99170-8	Worklist Smp#:	42
Client ID:	SMSMW01A				
Injection Vol:	25.0 ul	Dil. Factor:	4.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW01A Lab Sample ID: 680-99170-8

Matrix: Water Lab File ID: 0306141815-28.d

Analysis Method: 300.0 Date Collected: 03/05/2014 14:35

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 18:15

Con. Extract Vol.: 5(mL) Dilution Factor: 40

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318480 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00672	Nitrate as NO3	230		8.8	4.4

TestAmerica Savannah
Target Compound Quantitation Report

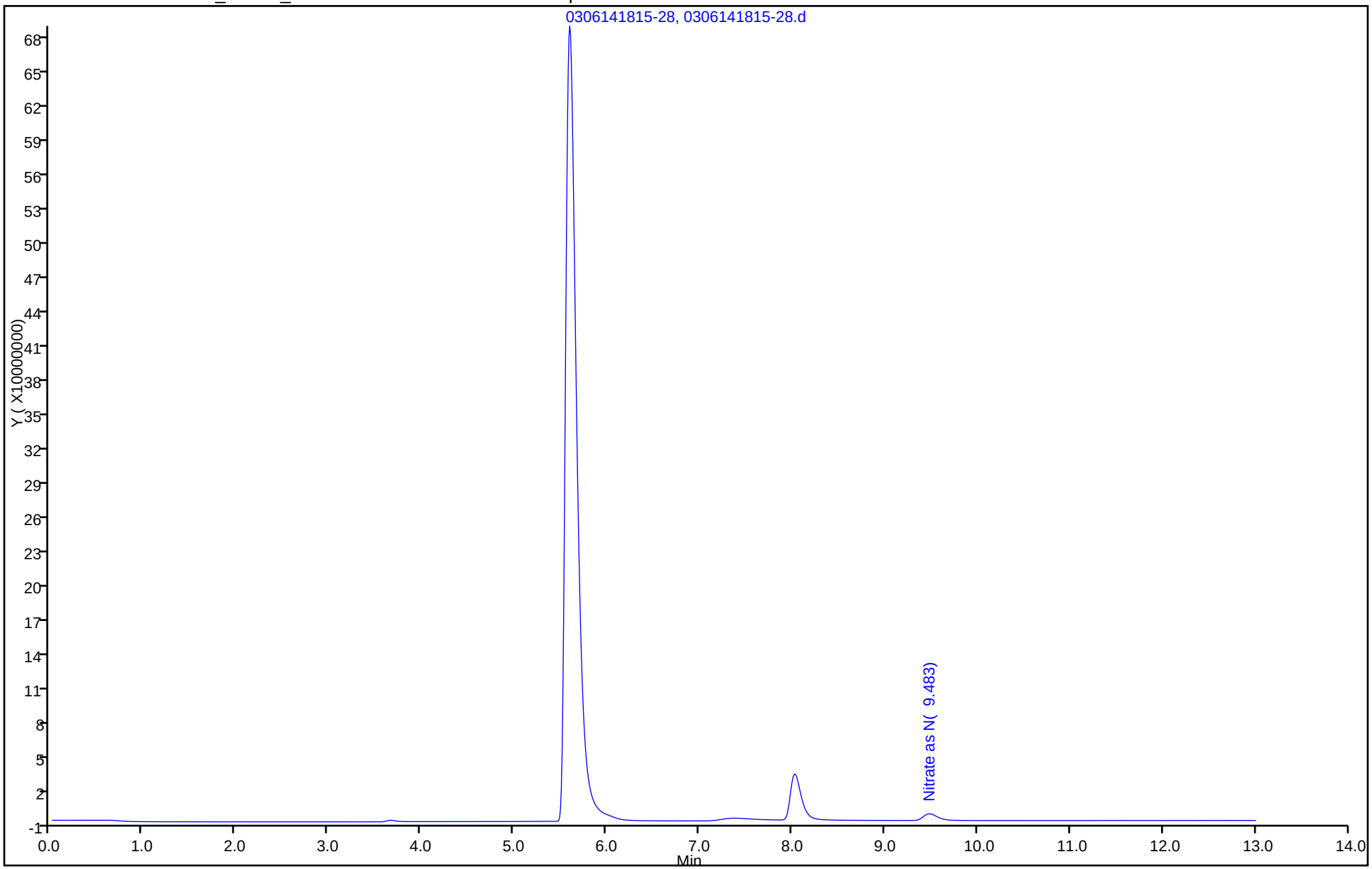
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141815-28.d				
Lims ID:	680-99170-F-8	Lab Sample ID:	680-99170-8		
Client ID:	SMSMW01A				
Sample Type:	Client				
Inject. Date:	06-Mar-2014 18:15:00	ALS Bottle#:	0	Worklist Smp#:	28
Injection Vol:	25.0 ul	Dil. Factor:	40.0000		
Sample Info:	680-99170-F-8 1G030614 Anion				
Misc. Info.:	3319				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:45	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.483	9.492	-0.009	63276326	1.28	
S 10 Nitrate as NO3					5.65	

Report Date: 07-Mar-2014 13:07:48 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141815-28.d				
Injection Date:	06-Mar-2014 18:15:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99170-F-8	Lab Sample ID:	680-99170-8	Worklist Smp#:	28
Client ID:	SMSMW01A				
Injection Vol:	25.0 ul	Dil. Factor:	40.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1 Analy Batch No.: 317856

SDG No.: 68099170-1

Instrument ID: CICG GC Column: AS18 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/28/2014 15:10 Calibration End Date: 02/28/2014 16:42 Calibration ID: 26631

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-317856/2	0228141510-22.d
Level 2	IC 680-317856/3	0228141525-23.d
Level 3	IC 680-317856/4	0228141540-24.d
Level 4	IC 680-317856/5	0228141556-25.d
Level 5	IC 680-317856/6	0228141611-26.d
Level 6	IC 680-317856/7	0228141627-27.d
Level 7	IC 680-317856/8	0228141642-28.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Nitrite as N	6.700	6.700	6.708	6.700	6.692	6.700	6.700				6.450 - 6.950	6.700
Nitrate as N	9.658	9.667	9.658	9.642	9.625	9.617	9.608				9.392 - 9.892	9.639

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Savannah Job No.: 680-99170-1 Analy Batch No.: 317856

SDG No.: 68099170-1

Instrument ID: CICG GC Column: AS18 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/28/2014 15:10 Calibration End Date: 02/28/2014 16:42 Calibration ID: 26631

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-317856/2	0228141510-22.d
Level 2	IC 680-317856/3	0228141525-23.d
Level 3	IC 680-317856/4	0228141540-24.d
Level 4	IC 680-317856/5	0228141556-25.d
Level 5	IC 680-317856/6	0228141611-26.d
Level 6	IC 680-317856/7	0228141627-27.d
Level 7	IC 680-317856/8	0228141642-28.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
Nitrite as N	32651036 45507452	38536984 45778405	42070481 45655983	43903927	Lin2	-670505.82	45670163.8							1.0000		0.9900
Nitrate as N	38257367 49973351	42880376 51319473	44905223 51738124	46909769	Lin2	-637606.28	50045396.0							0.9980		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Savannah Job No.: 680-99170-1 Analy Batch No.: 317856

SDG No.: 68099170-1

Instrument ID: CICG GC Column: AS18 ID: 4(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/28/2014 15:10 Calibration End Date: 02/28/2014 16:42 Calibration ID: 26631

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-317856/2	0228141510-22.d
Level 2	IC 680-317856/3	0228141525-23.d
Level 3	IC 680-317856/4	0228141540-24.d
Level 4	IC 680-317856/5	0228141556-25.d
Level 5	IC 680-317856/6	0228141611-26.d
Level 6	IC 680-317856/7	0228141627-27.d
Level 7	IC 680-317856/8	0228141642-28.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Nitrite as N	Lin2	1632813 68678595	3854315 91326576	10519303	21955476	45514733	0.0500 1.50	0.100 2.00	0.250	0.500	1.00
Nitrate as N	Lin2	1912964 76983058	4288252 103481422	11226867	23456057	49975850	0.0500 1.50	0.100 2.00	0.250	0.500	1.00

Curve Type Legend:

Lin2 = Linear 1/conc^2

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141510-22.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 28-Feb-2014 15:10:00 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-1 1G022814 Anion
Misc. Info.: 8535
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140228-6812.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 10-Mar-2014 11:59:45 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK027

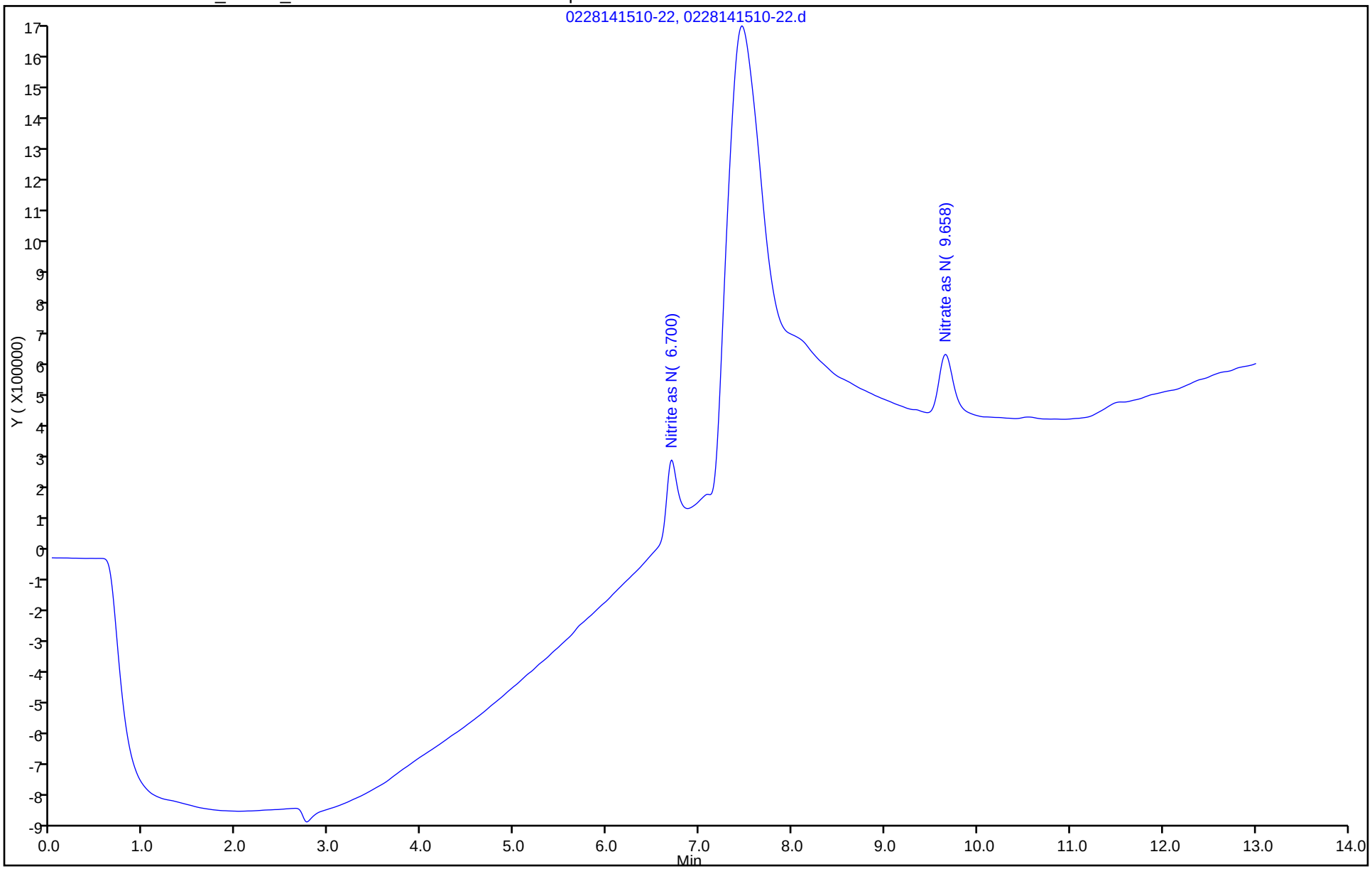
First Level Reviewer: singhv Date: 28-Feb-2014 16:47:16

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
5 Nitrite as N	6.700	6.700	0.0	1632813	0.0504	
6 Nitrate as N	9.658	9.642	0.016	1912964	0.0510	
S 9 Nitrite as NO2					0.1659	
S 10 Nitrate as NO3					0.2256	

Report Date: 10-Mar-2014 11:59:45 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141510-22.d				
Injection Date:	28-Feb-2014 15:10:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	2
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



TestAmerica Savannah
Target Compound Quantitation Report

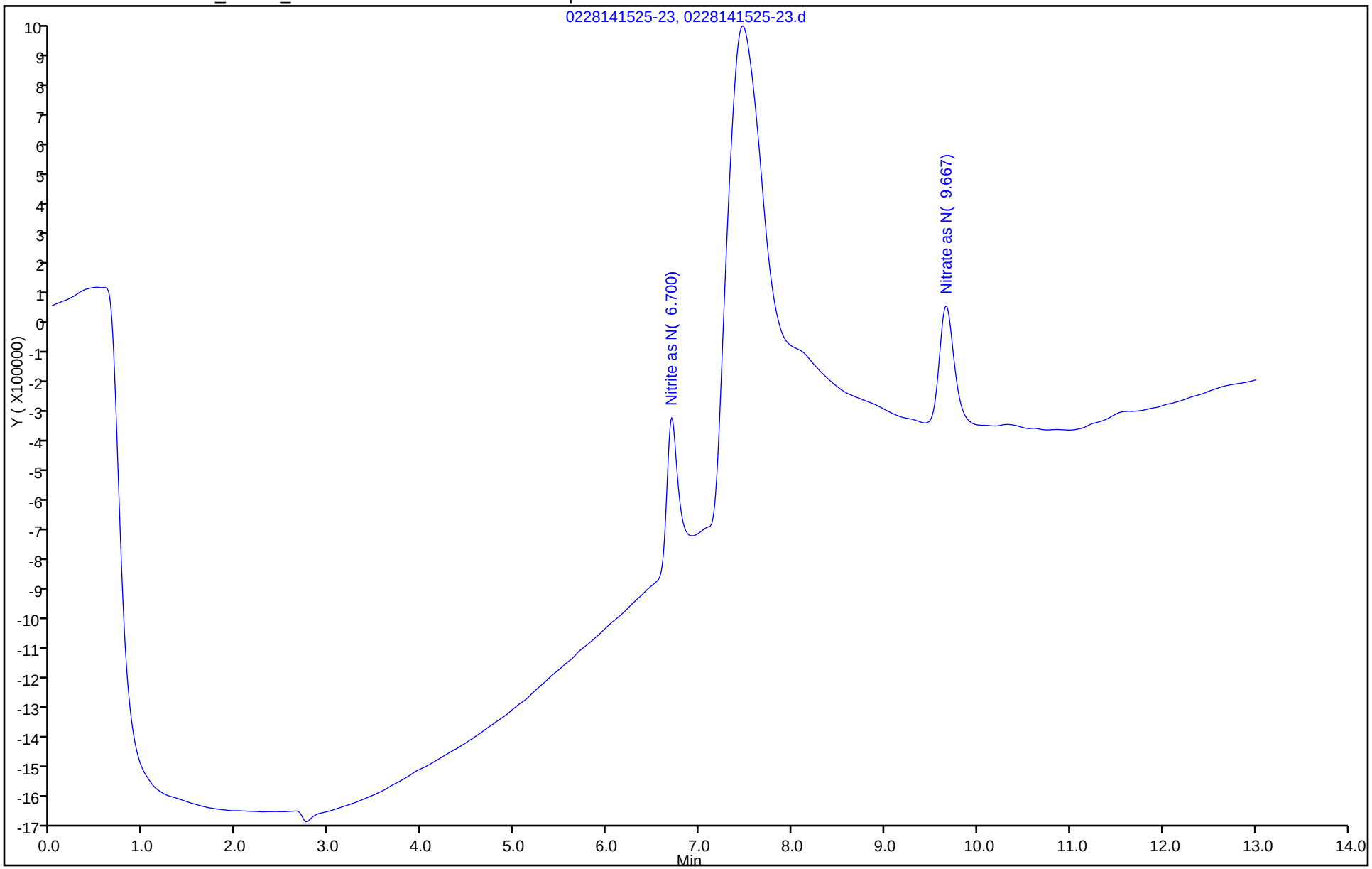
Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141525-23.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	2		
Inject. Date:	28-Feb-2014 15:25:00	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-2 1G022814 Anion				
Misc. Info.:	8184				
Operator ID:		Instrument ID:	CICG		
Sublist:	chrom-300.0_9056A_CICG*sub2				
Method:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	10-Mar-2014 11:59:46	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK027				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.700	6.700	0.0	3854315	0.0991	
	6 Nitrate as N	9.667	9.642	0.025	4288252	0.0984	
S	9 Nitrite as NO2					0.3260	
S	10 Nitrate as NO3					0.4356	

Report Date: 10-Mar-2014 11:59:46 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141525-23.d				
Injection Date:	28-Feb-2014 15:25:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	3
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



TestAmerica Savannah
Target Compound Quantitation Report

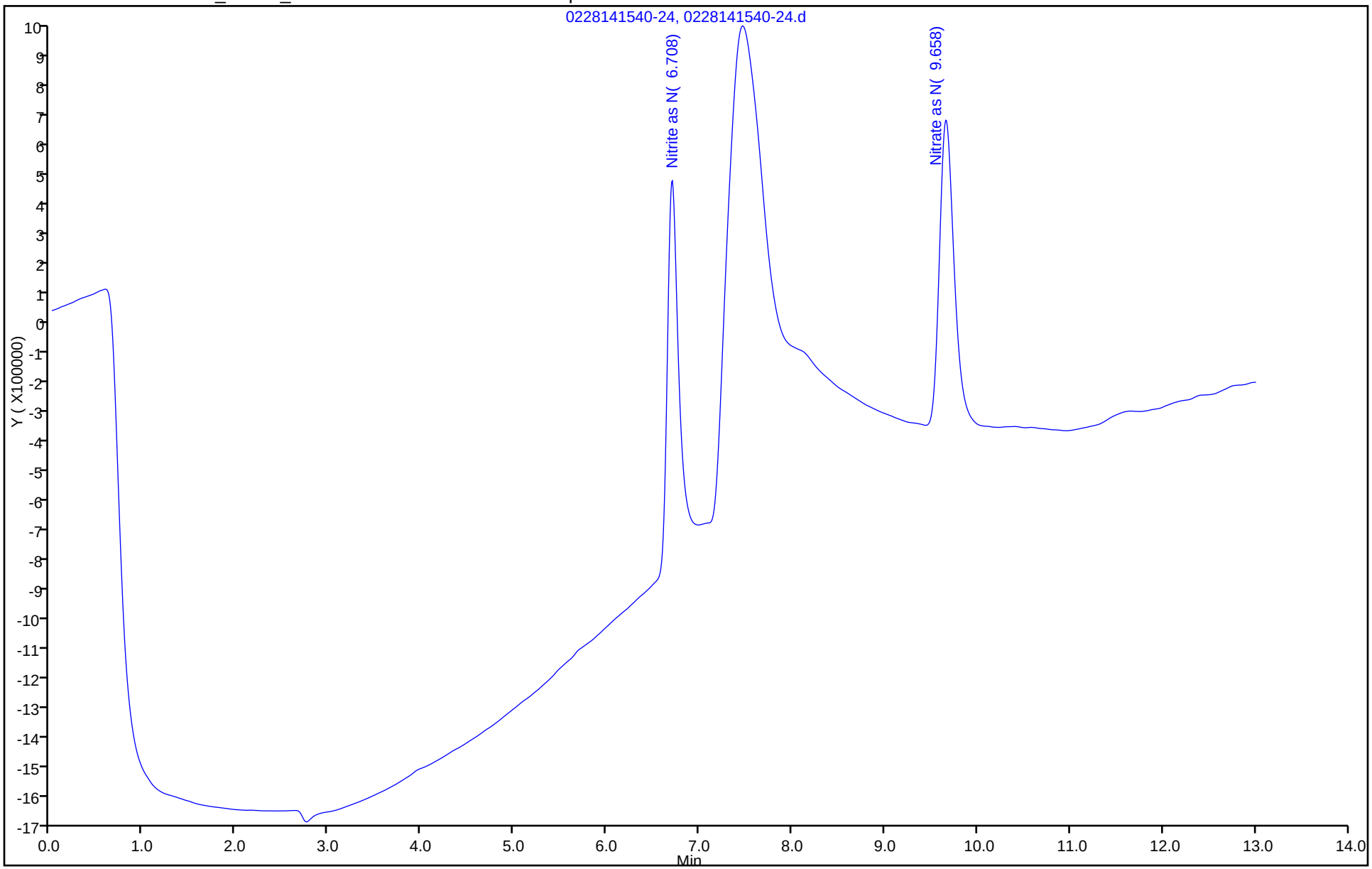
Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141540-24.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	3		
Inject. Date:	28-Feb-2014 15:40:00	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-3 1G022814 Anion				
Misc. Info.:	16295				
Operator ID:		Instrument ID:	CICG		
Sublist:	chrom-300.0_9056A_CICG*sub2				
Method:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	10-Mar-2014 11:59:47	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK027				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.708	6.700	0.008	10519303	0.2450	
	6 Nitrate as N	9.658	9.642	0.016	11226867	0.2371	
S	9 Nitrite as NO2					0.8061	
S	10 Nitrate as NO3					1.05	

Report Date: 10-Mar-2014 11:59:47 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141540-24.d				
Injection Date:	28-Feb-2014 15:40:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141556-25.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 28-Feb-2014 15:56:00 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-4 1G022814 Anion
Misc. Info.: 17943
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140228-6812.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 10-Mar-2014 11:59:47 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK027

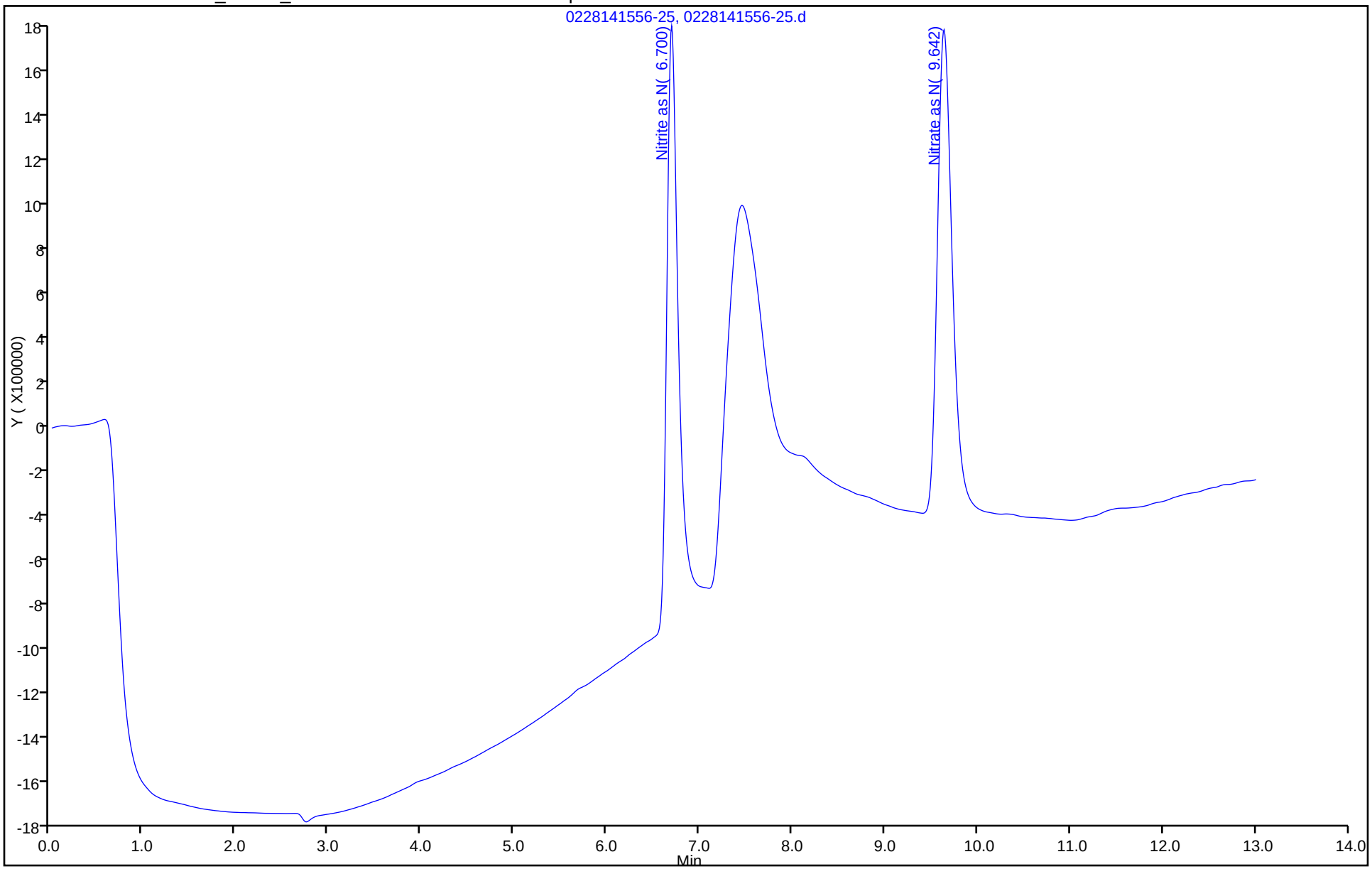
First Level Reviewer: thorntonp Date: 10-Mar-2014 11:59:18

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
5 Nitrite as N	6.700	6.700	0.0	21955476	0.4954	
6 Nitrate as N	9.642	9.642	0.0	23456057	0.4814	
S 9 Nitrite as NO2					1.63	
S 10 Nitrate as NO3					2.13	

Report Date: 10-Mar-2014 11:59:47 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141556-25.d				
Injection Date:	28-Feb-2014 15:56:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	5
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



TestAmerica Savannah
Target Compound Quantitation Report

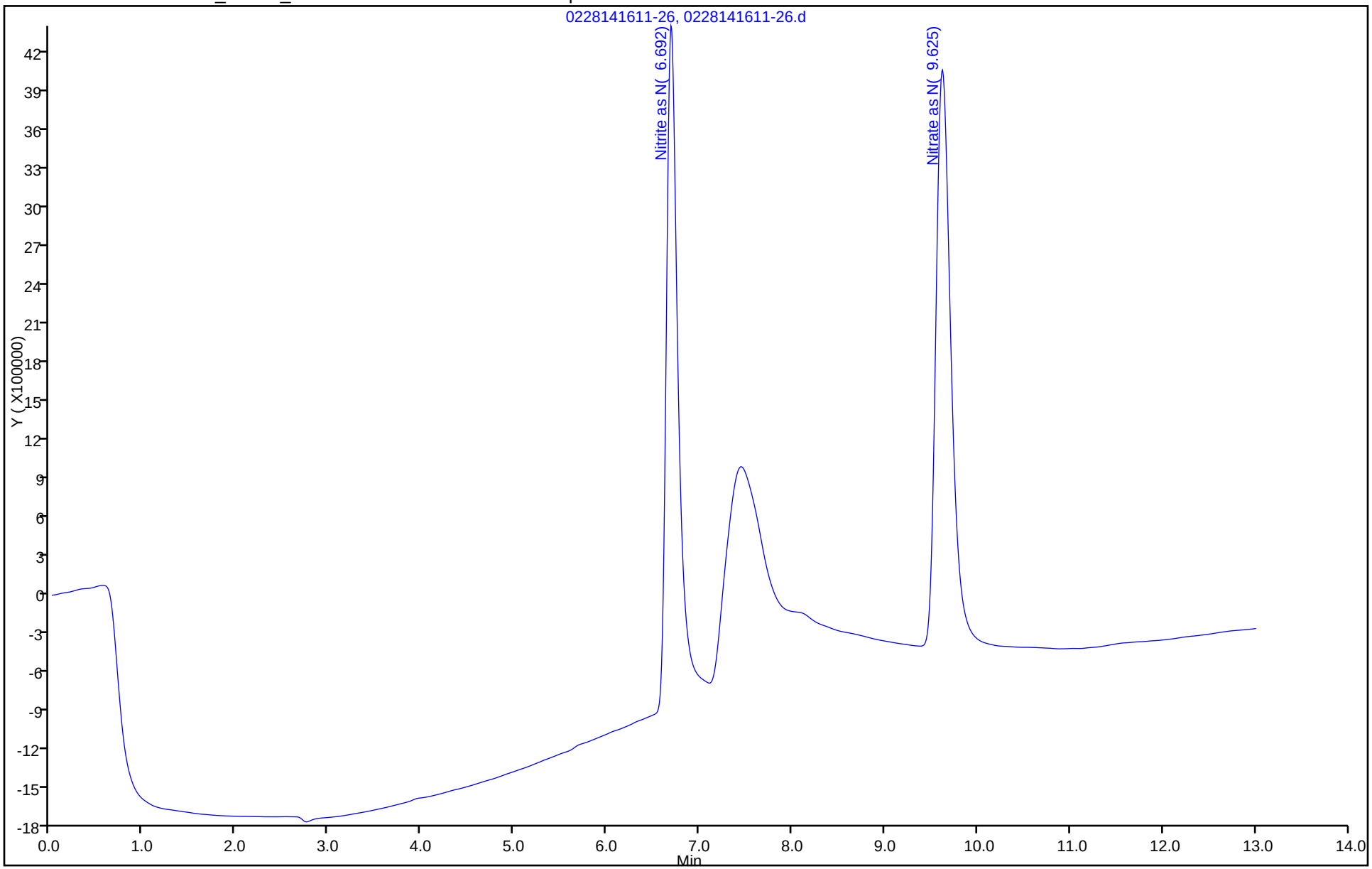
Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141611-26.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	5		
Inject. Date:	28-Feb-2014 16:11:00	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-5 1G022814 Anion				
Misc. Info.:	6586				
Operator ID:		Instrument ID:	CICG		
Sublist:	chrom-300.0_9056A_CICG*sub2				
Method:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	10-Mar-2014 11:59:48	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK027				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.692	6.700	-0.008	45514733	1.01	
	6 Nitrate as N	9.625	9.642	-0.017	49975850	1.01	
S	9 Nitrite as NO2					3.33	
S	10 Nitrate as NO3					4.48	

Report Date: 10-Mar-2014 11:59:48 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141611-26.d				
Injection Date:	28-Feb-2014 16:11:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	6
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141627-27.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 28-Feb-2014 16:27:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-6 1G022814 Anion
Misc. Info.: 25513
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140228-6812.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 10-Mar-2014 11:59:48 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK027

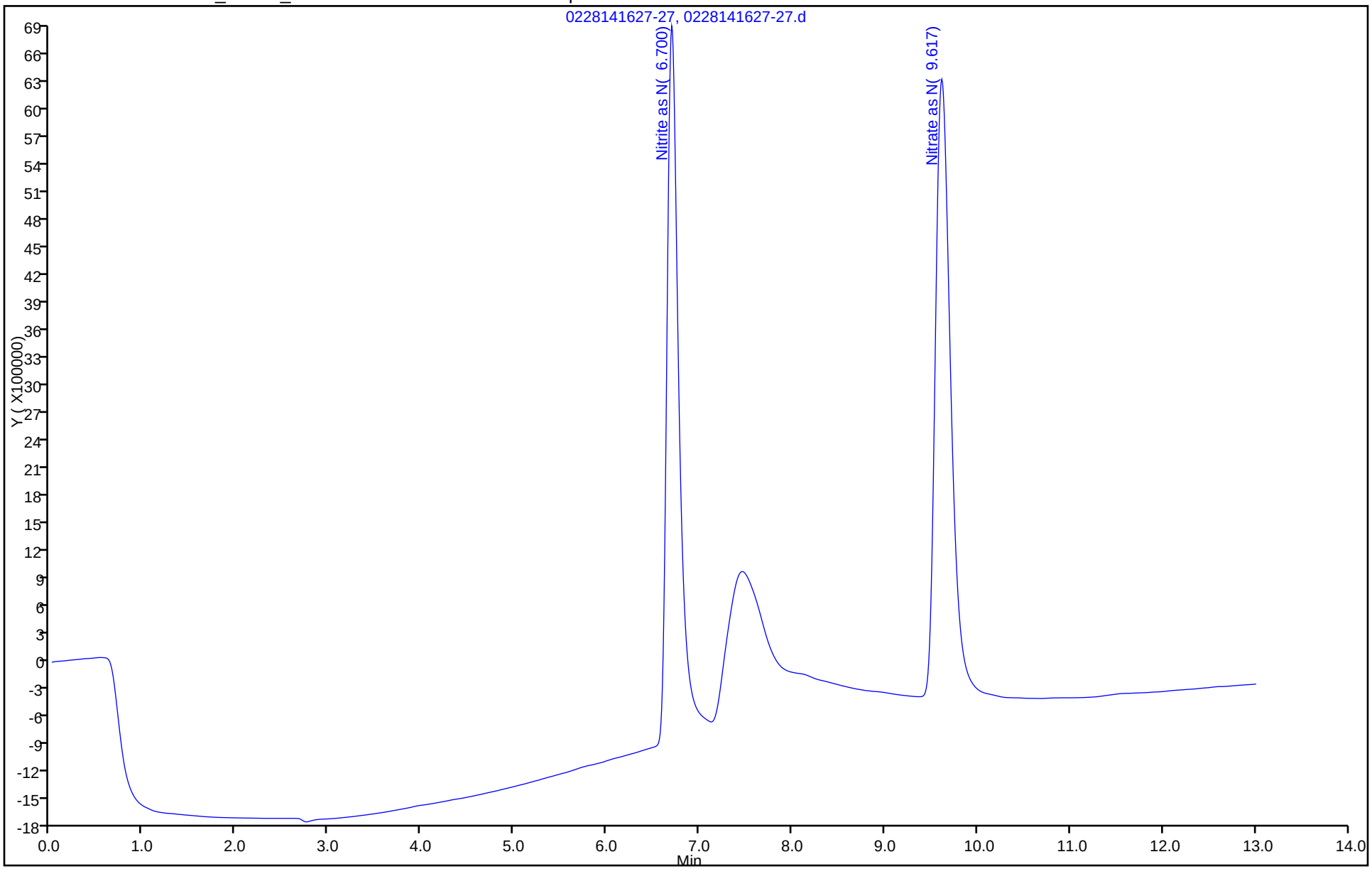
First Level Reviewer: thorntonp Date: 10-Mar-2014 11:58:49

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.700	6.700	0.0	68678595	1.52	
	6 Nitrate as N	9.617	9.642	-0.025	76983058	1.55	
S	9 Nitrite as NO2					5.00	
S	10 Nitrate as NO3					6.86	

Report Date: 10-Mar-2014 11:59:48 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141627-27.d				
Injection Date:	28-Feb-2014 16:27:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 28-Feb-2014 16:42:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-7 1G022814 Anion
Misc. Info.: 2628
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140228-6812.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 10-Mar-2014 12:12:00 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK027

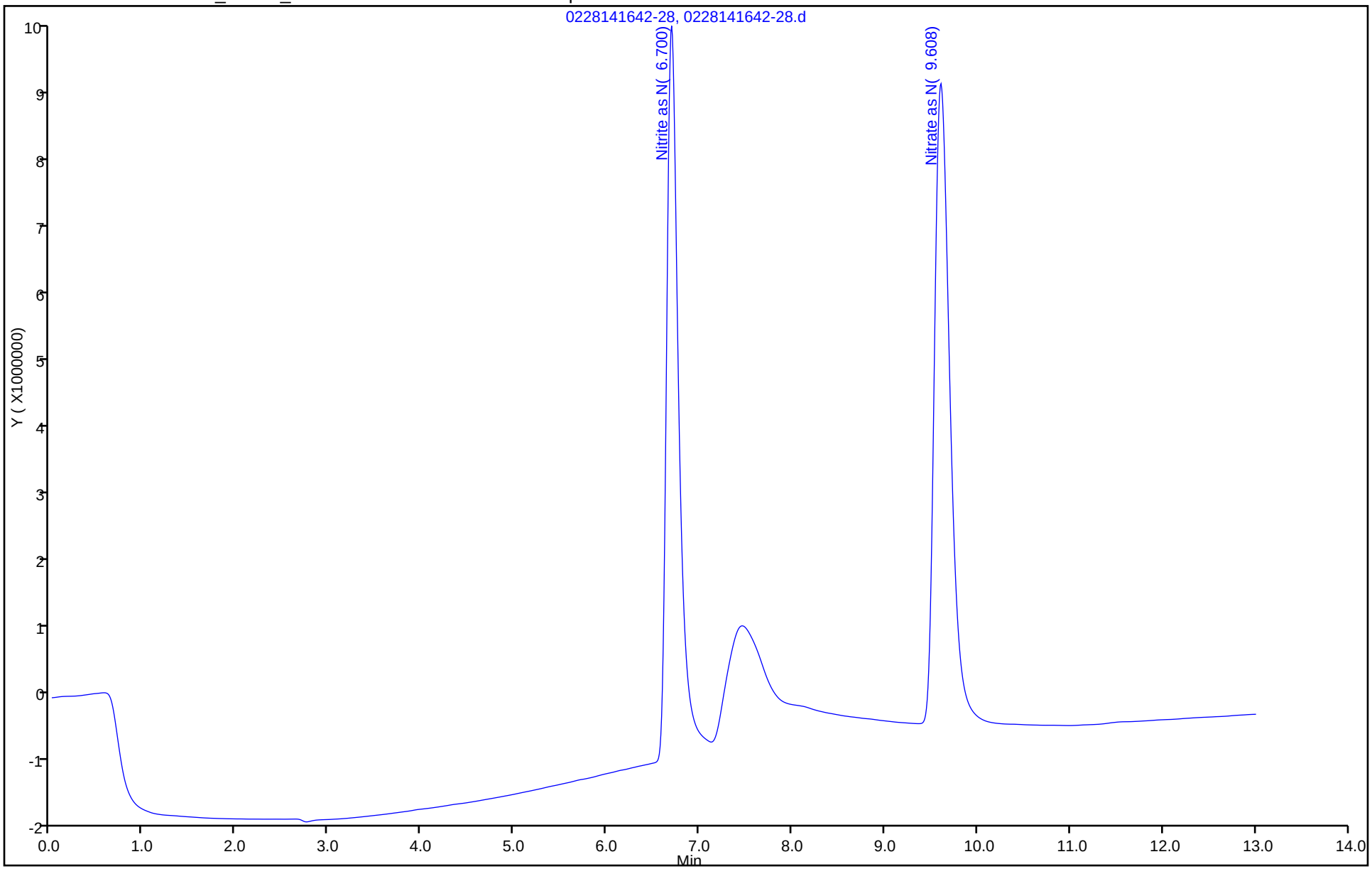
First Level Reviewer: singhv Date: 28-Feb-2014 17:22:56

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.700	6.700	0.0	91326576	2.01	
	6 Nitrate as N	9.608	9.642	-0.034	103481422	2.08	
S	9 Nitrite as NO2					6.63	
S	10 Nitrate as NO3					9.21	

Report Date: 10-Mar-2014 12:12:00 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Injection Date:	28-Feb-2014 16:42:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: ICV 680-317856/1010 Calibration Date: 02/28/2014 17:13

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0228141713-30-ICV.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		45248884		1.00	0.997	0.5	10.0
Nitrate as N	Lin2		49604988		1.00	0.999	0.4	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: ICV 680-317856/1010 Calibration Date: 02/28/2014 17:13

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0228141713-30-ICV.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.70	6.45	6.95
Nitrate as N	9.62	9.39	9.89

TestAmerica Laboratories
Target Compound Quantitation Report

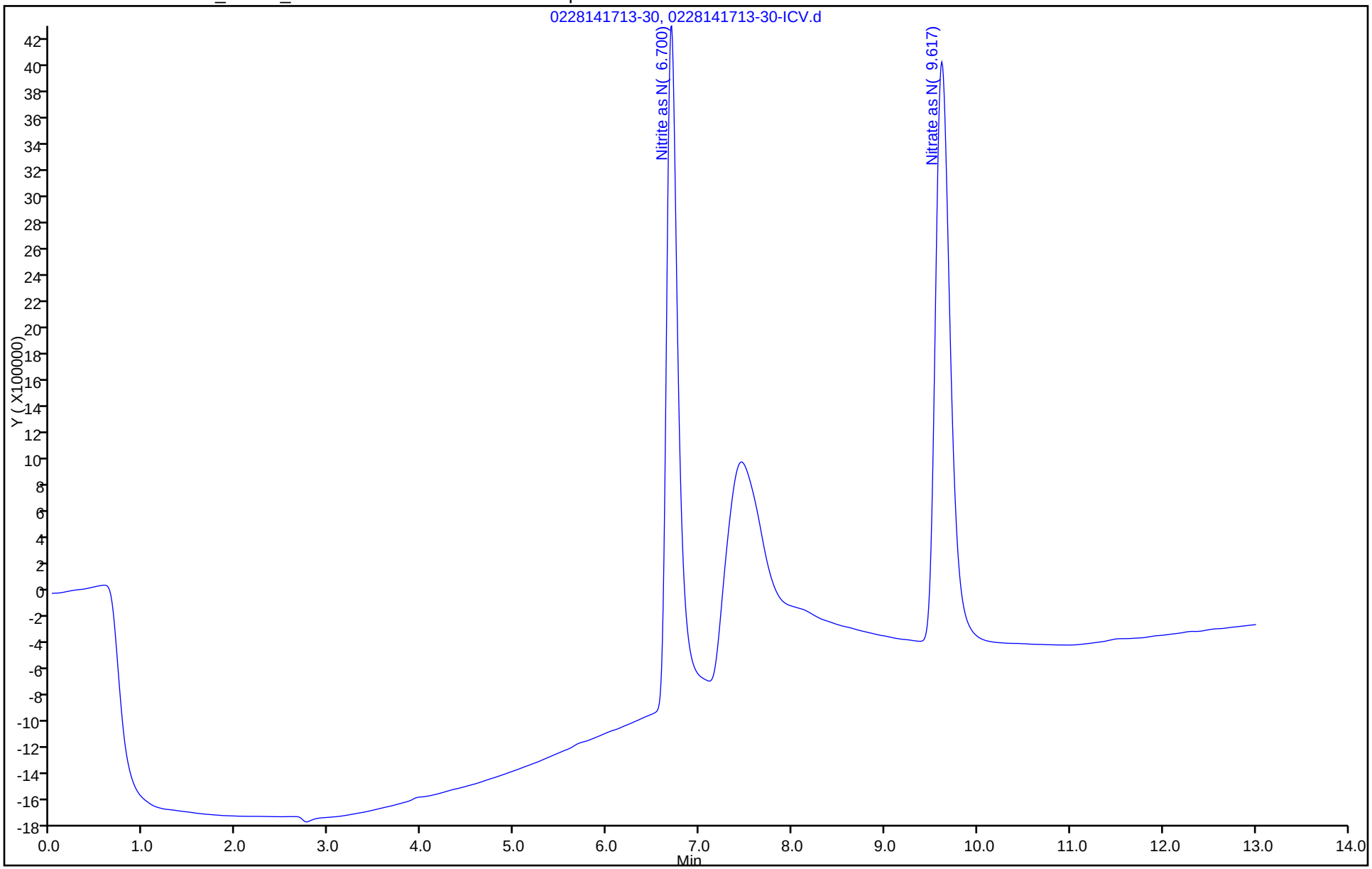
Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141713-30-ICV.d				
Lims ID:	ICV	Lab Sample ID:	LCS 680-317856/10-A		
Client ID:					
Sample Type:	ICV				
Inject. Date:	28-Feb-2014 17:13:00	ALS Bottle#:	0	Worklist Smp#:	1010
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 1G022814 Anion				
Misc. Info.:	14975 3473235				
Operator ID:		Instrument ID:	CICG		
Sublist:					
Method:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	03-Mar-2014 08:44:37	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK011				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.700	6.700	0.0	45118567	1.00	
	6 Nitrate as N	9.617	9.642	-0.025	49551415	1.00	
S	9 Nitrite as NO2					3.30	
S	10 Nitrate as NO3					4.44	

Report Date: 03-Mar-2014 08:44:38 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Laboratories

Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141713-30-ICV.d				
Injection Date:	28-Feb-2014 17:13:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	ICV	Lab Sample ID:	LCS 680-317856/10-A	Worklist Smp#:	1010
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-318480/4 Calibration Date: 03/06/2014 09:50

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306140950-4.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		42681928		0.949	1.00	-5.1	10.0
Nitrate as N	Lin2		47630152		0.965	1.00	-3.6	10.0

FORM VII 300.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-318480/4 Calibration Date: 03/06/2014 09:50

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306140950-4.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.63	6.38	6.88
Nitrate as N	9.48	9.23	9.73

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140306-6940.b\0306140950-4.d
Lims ID: CCV Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 06-Mar-2014 09:50:00 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-5 1G030614 Anion
Misc. Info.: 4 3473229
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 13:07:40 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

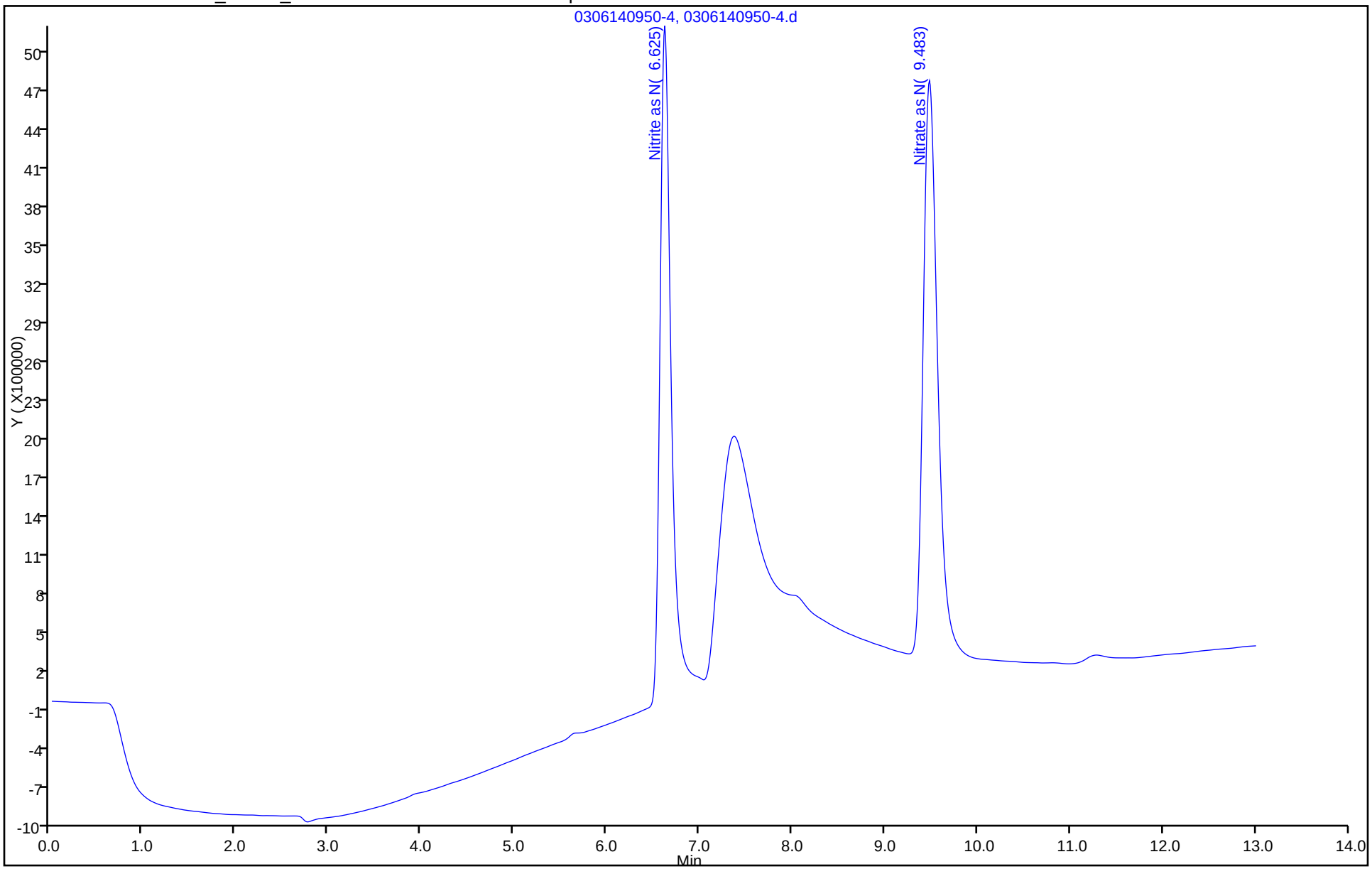
First Level Reviewer: singhv Date: 06-Mar-2014 10:24:44

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
5 Nitrite as N	6.625	6.625	0.0	42688757	0.9494	
6 Nitrate as N	9.483	9.483	0.0	47632534	0.9645	
S 9 Nitrite as NO2					3.12	
S 10 Nitrate as NO3					4.27	

Report Date: 07-Mar-2014 13:07:40 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306140950-4.d				
Injection Date:	06-Mar-2014 09:50:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-318480/18 Calibration Date: 03/06/2014 13:26

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306141326-18.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		45001210		1.00	1.00	0.0	10.0
Nitrate as N	Lin2		47863423		0.969	1.00	-3.1	10.0

FORM VII 300.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-318480/18 Calibration Date: 03/06/2014 13:26

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306141326-18.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.63	6.38	6.88
Nitrate as N	9.49	9.24	9.74

TestAmerica Savannah
Target Compound Quantitation Report

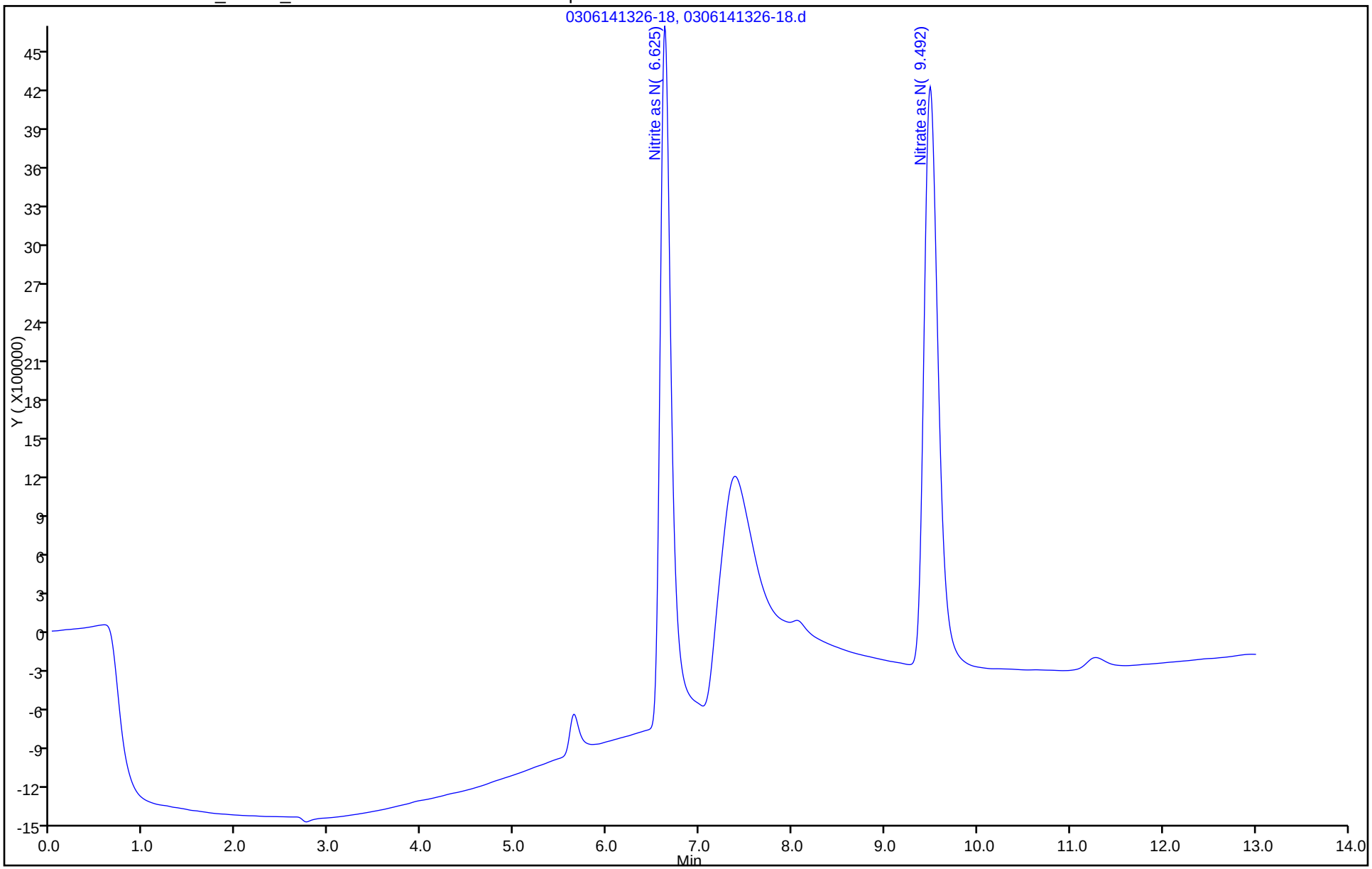
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141326-18.d				
Lims ID:	CCV	Lab Sample ID:			
Client ID:					
Sample Type:	CCV				
Inject. Date:	06-Mar-2014 13:26:00	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-5 1G030614 Anion				
Misc. Info.:	20786				
Operator ID:		Instrument ID:	CICG		
Sublist:	chrom-300.0_9056A_CICG*sub2				
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:45	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.625	6.625	0.0	45008410	1.00	
	6 Nitrate as N	9.492	9.492	0.0	47865816	0.9692	
S	9 Nitrite as NO2					3.29	
S	10 Nitrate as NO3					4.29	

Report Date: 07-Mar-2014 13:07:45 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141326-18.d				
Injection Date:	06-Mar-2014 13:26:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV	Lab Sample ID:		Worklist Smp#:	18
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-318480/30 Calibration Date: 03/06/2014 18:46

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306141846-30.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		44653763		0.993	1.00	-0.8	10.0
Nitrate as N	Lin2		47503463		0.962	1.00	-3.8	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-318581/30 Calibration Date: 03/06/2014 18:46

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306141846-30.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		44653763		0.993	1.00	-0.8	10.0
Nitrate as N	Lin2		47503463		0.962	1.00	-3.8	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-318480/30 Calibration Date: 03/06/2014 18:46

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306141846-30.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.65	6.40	6.90
Nitrate as N	9.53	9.28	9.78

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-318581/30 Calibration Date: 03/06/2014 18:46

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306141846-30.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.65	6.40	6.90
Nitrate as N	9.53	9.28	9.78

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141846-30.d				
Lims ID:	CCV	Lab Sample ID:			
Client ID:					
Sample Type:	CCV				
Inject. Date:	06-Mar-2014 18:46:00	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-5 1G030614 Anion				
Misc. Info.:	11922 3473229				
Operator ID:		Instrument ID:	CICG		
Sublist:	chrom-300.0_9056A_CICG*sub2				
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:49	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.650	6.650	0.0	44660908	0.99	
	6 Nitrate as N	9.533	9.533	0.0	47505838	0.9620	
S	9 Nitrite as NO2					3.27	
S	10 Nitrate as NO3					4.26	

TestAmerica Savannah
Target Compound Quantitation Report

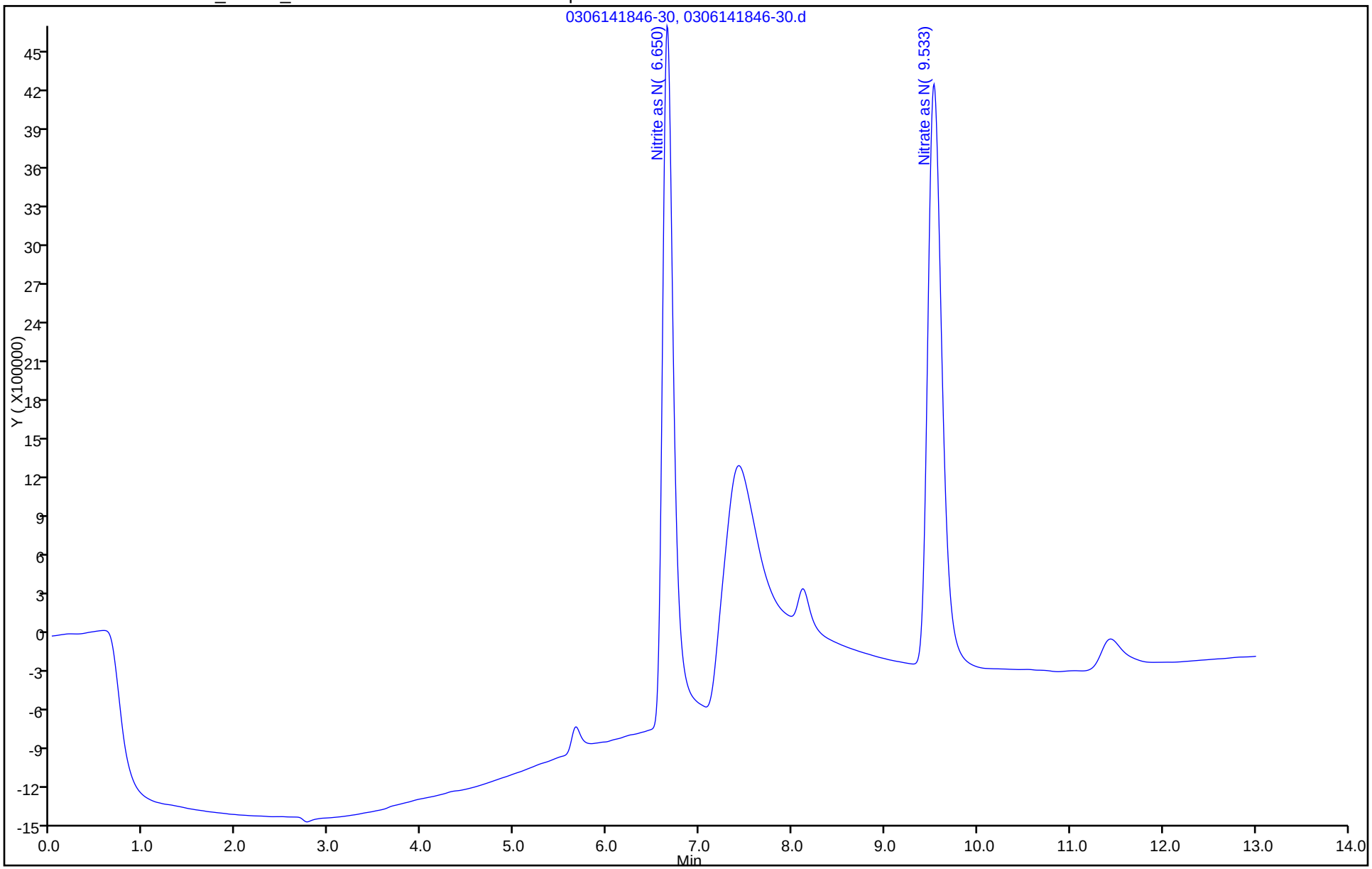
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141846-30.d				
Lims ID:	CCV	Lab Sample ID:			
Client ID:					
Sample Type:	CCV				
Inject. Date:	06-Mar-2014 18:46:00	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-5 1G030614 Anion				
Misc. Info.:	11922 3473229				
Operator ID:		Instrument ID:	CICG		
Sublist:	chrom-300.0_9056A_CICG*sub2				
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:49	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.650	6.650	0.0	44660908	0.99	
	6 Nitrate as N	9.533	9.533	0.0	47505838	0.9620	
S	9 Nitrite as NO2					3.27	
S	10 Nitrate as NO3					4.26	

Report Date: 07-Mar-2014 13:07:49 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

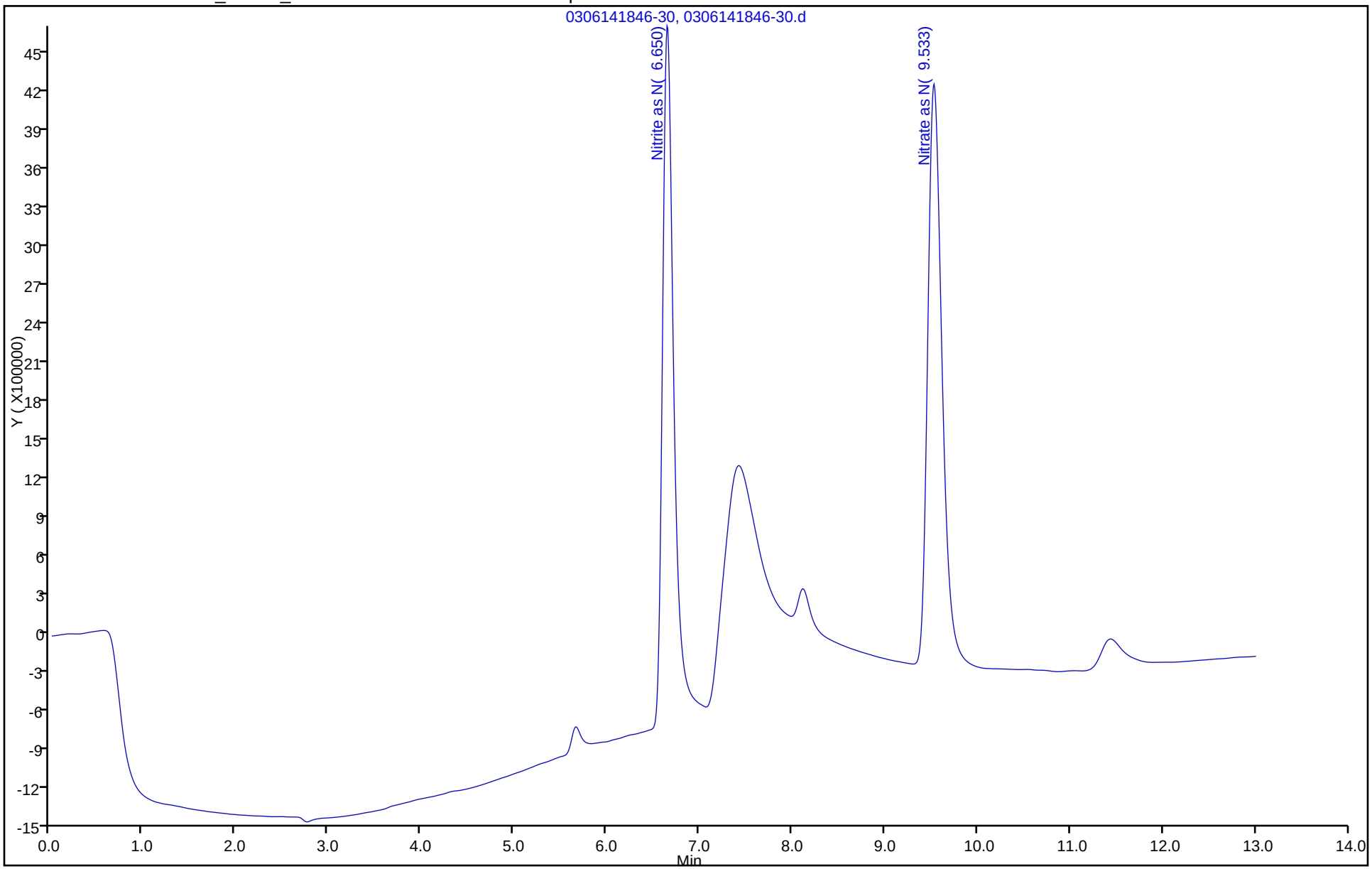
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141846-30.d				
Injection Date:	06-Mar-2014 18:46:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV	Lab Sample ID:		Worklist Smp#:	30
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



Report Date: 07-Mar-2014 13:07:49 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141846-30.d				
Injection Date:	06-Mar-2014 18:46:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV	Lab Sample ID:		Worklist Smp#:	30
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-318581/43 Calibration Date: 03/06/2014 22:06

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306142206-43.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		44140935		0.981	1.00	-1.9	10.0
Nitrate as N	Lin2		47071247		0.953	1.00	-4.7	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-318581/43 Calibration Date: 03/06/2014 22:06

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0306142206-43.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.65	6.40	6.90
Nitrate as N	9.52	9.27	9.77

TestAmerica Savannah
Target Compound Quantitation Report

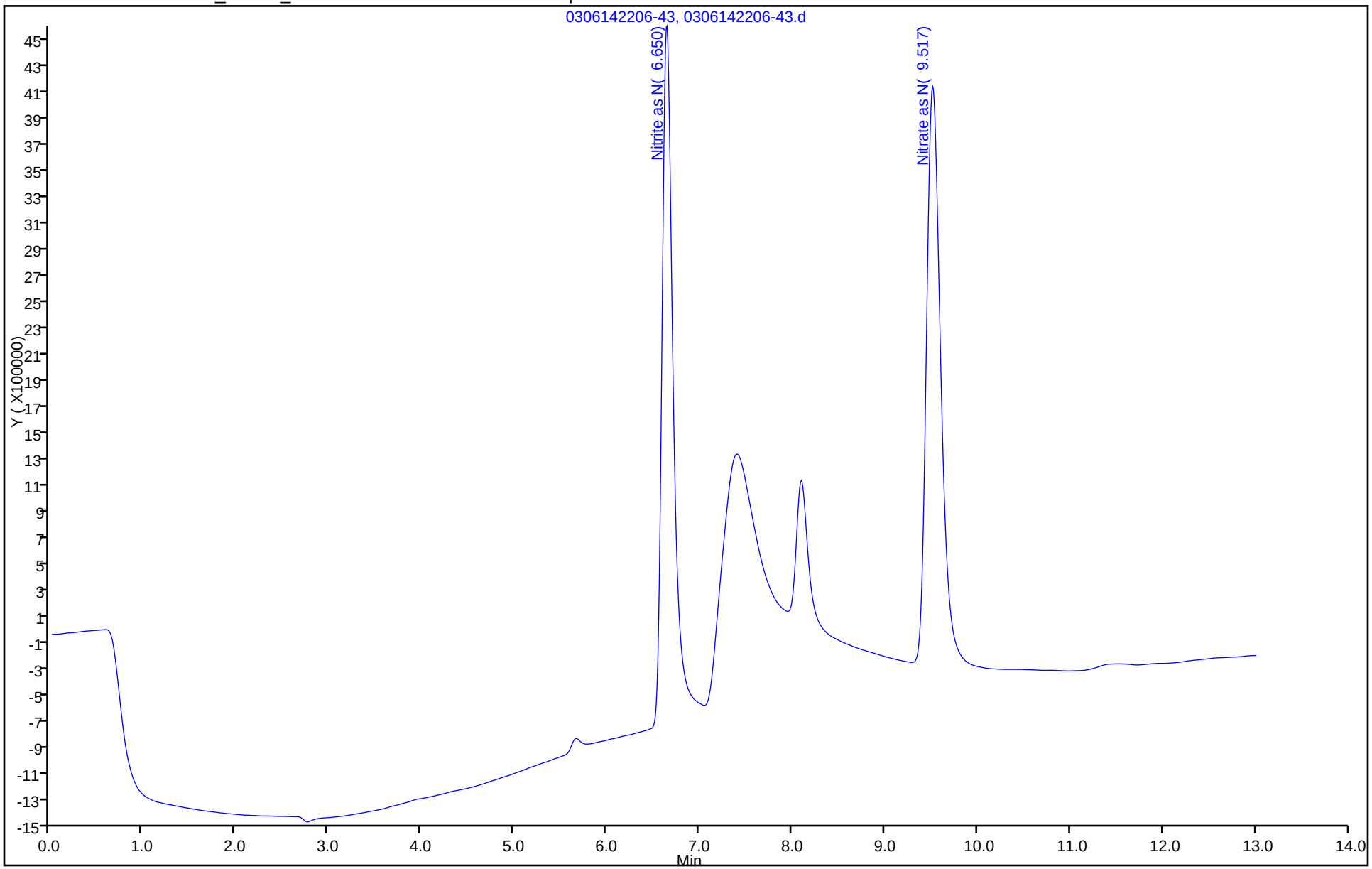
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306142206-43.d				
Lims ID:	CCV	Lab Sample ID:			
Client ID:					
Sample Type:	CCV				
Inject. Date:	06-Mar-2014 22:06:00	ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-5 1G030614 Anion				
Misc. Info.:	22149 3473229				
Operator ID:		Instrument ID:	CICG		
Sublist:	chrom-300.0_9056A_CICG*sub2				
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:54	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.650	6.650	0.0	44147998	0.9814	
	6 Nitrate as N	9.517	9.517	0.0	47073601	0.9534	
S	9 Nitrite as NO2					3.23	
S	10 Nitrate as NO3					4.22	

Report Date: 07-Mar-2014 13:07:54 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306142206-43.d				
Injection Date:	06-Mar-2014 22:06:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV	Lab Sample ID:		Worklist Smp#:	43
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-318770/4 Calibration Date: 03/07/2014 10:31

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0307141031-4.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		42287265		0.941	1.00	-5.9	10.0
Nitrate as N	Lin2		47801015		0.968	1.00	-3.2	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-318770/4 Calibration Date: 03/07/2014 10:31

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0307141031-4.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.60	6.35	6.85
Nitrate as N	9.44	9.19	9.69

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140307-6991.b\0307141031-4.d
Lims ID: CCV Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 07-Mar-2014 10:31:00 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-5 1G030714 Anion
Misc. Info.: 4 3473229
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140307-6991.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 08-Mar-2014 08:04:53 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK036

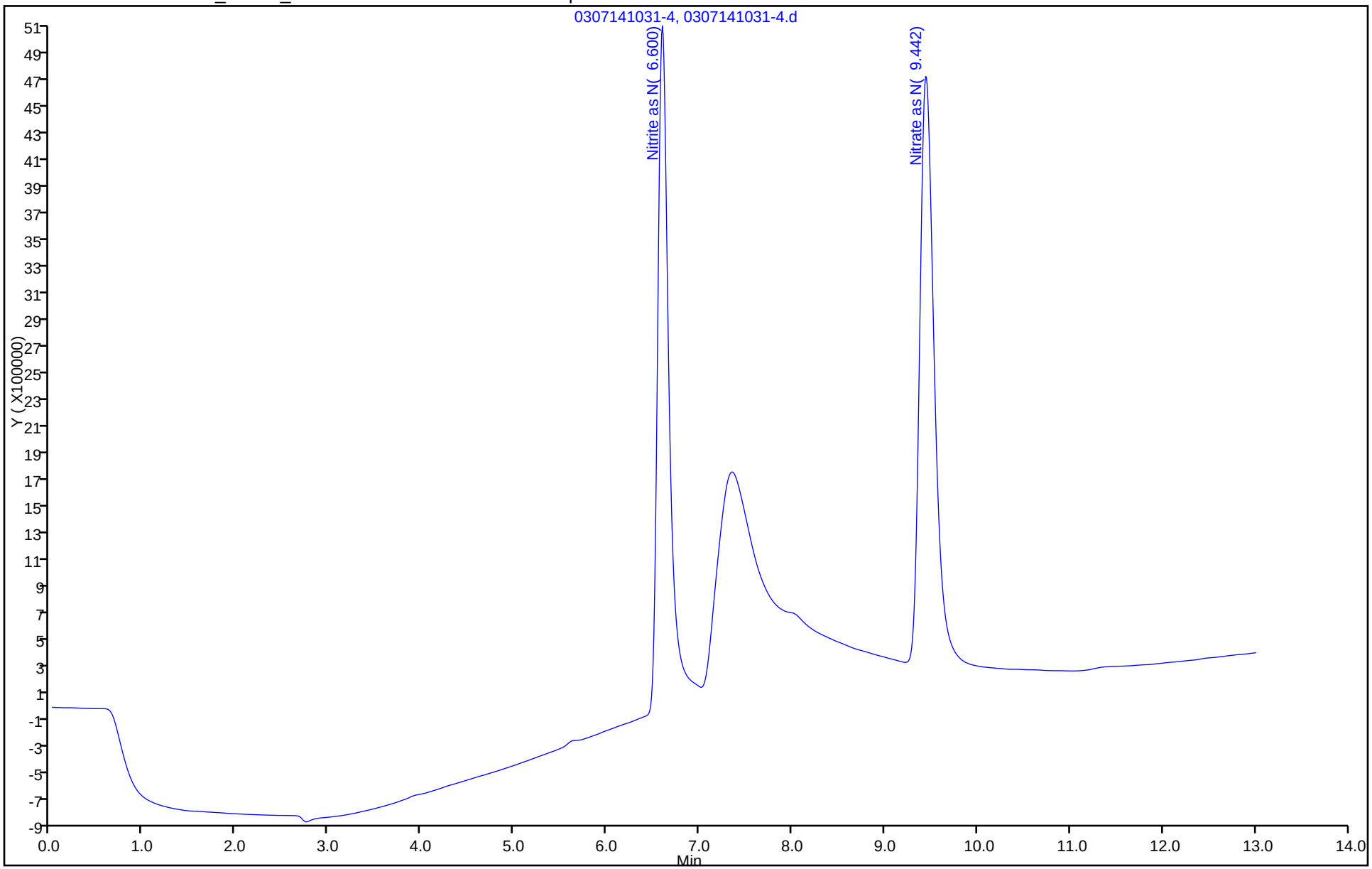
First Level Reviewer: singhv Date: 07-Mar-2014 17:20:28

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
5 Nitrite as N	6.600	6.600	0.0	42294031	0.9408	
6 Nitrate as N	9.442	9.442	0.0	47803405	0.9679	
S 9 Nitrite as NO2					3.10	
S 10 Nitrate as NO3					4.28	

Report Date: 08-Mar-2014 08:04:53 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140307-6991.b\0307141031-4.d				
Injection Date:	07-Mar-2014 10:31:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-318770/15 Calibration Date: 03/07/2014 18:12

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0307141812-15.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		44110481		0.981	1.00	-1.9	10.0
Nitrate as N	Lin2		47004854		0.952	1.00	-4.8	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Lab Sample ID: CCV 680-318770/15 Calibration Date: 03/07/2014 18:12

Instrument ID: CICG Calib Start Date: 02/28/2014 15:10

GC Column: AS18 ID: 4.00(mm) Calib End Date: 02/28/2014 16:42

Lab File ID: 0307141812-15.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.62	6.37	6.87
Nitrate as N	9.48	9.23	9.73

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140307-6991.b\0307141812-15.d
Lims ID: CCV Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 07-Mar-2014 18:12:00 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-5 1G030714 Anion
Misc. Info.: 21968 3473229
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140307-6991.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 08-Mar-2014 08:04:57 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

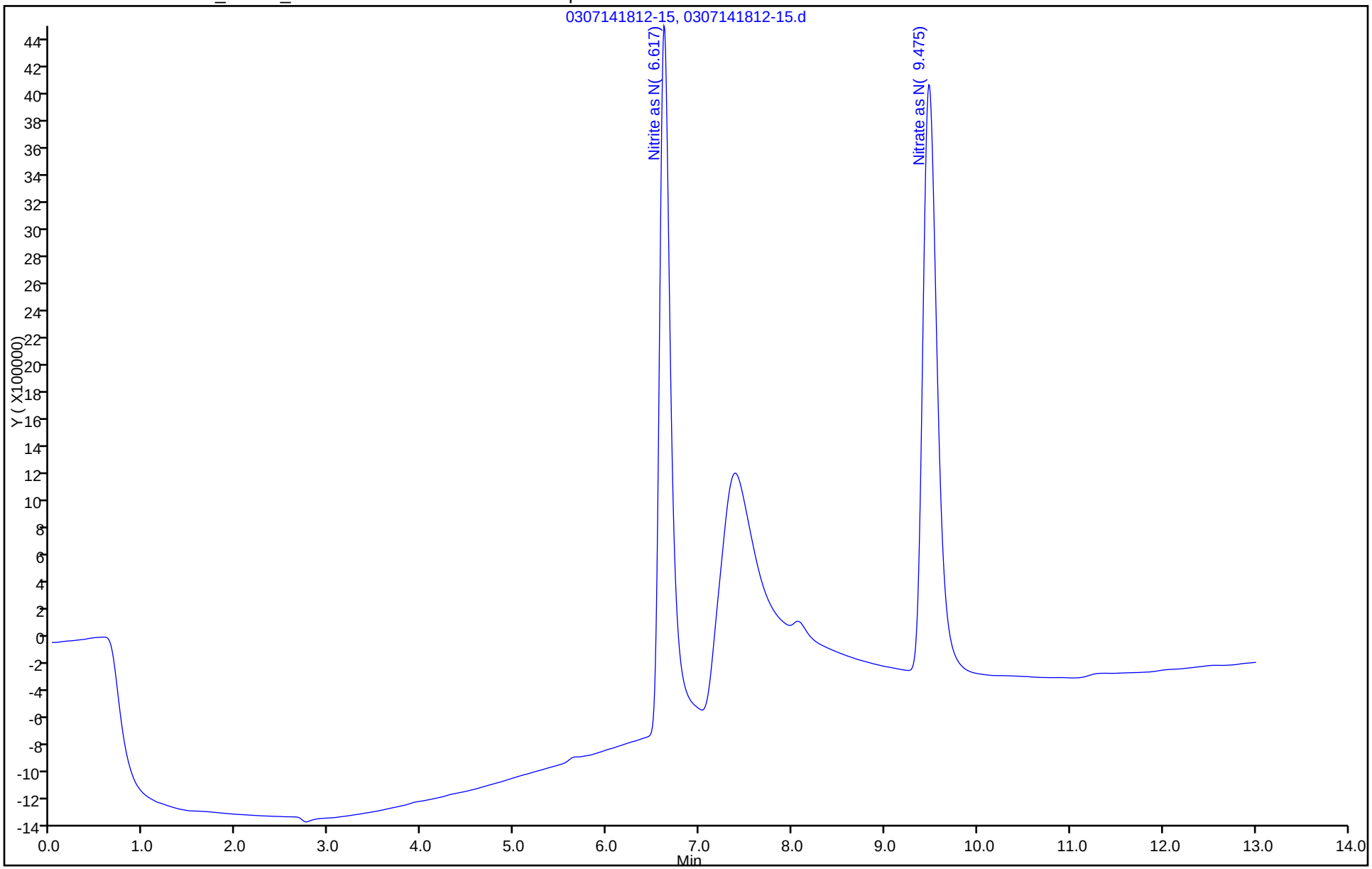
Column 1 : Det: 0423131702-17
Process Host: XAWRK036

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.617	6.617	0.0	44117539	0.9807	
	6 Nitrate as N	9.475	9.475	0.0	47007204	0.9520	
S	9 Nitrite as NO2					3.23	
S	10 Nitrate as NO3					4.21	

Report Date: 08-Mar-2014 08:04:57 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140307-6991.b\0307141812-15.d				
Injection Date:	07-Mar-2014 18:12:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV	Lab Sample ID:		Worklist Smp#:	15
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: MB 680-318480/5
Matrix: Water
Lab File ID: 0306141006-5.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 10:06
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318480
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	<0.11		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141006-5.d
Lims ID: MB Lab Sample ID: MB 680-318581/5-A
Client ID:
Sample Type: MB
Inject. Date: 06-Mar-2014 10:06:00 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: MB 1G030614 Anion
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 13:07:40 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

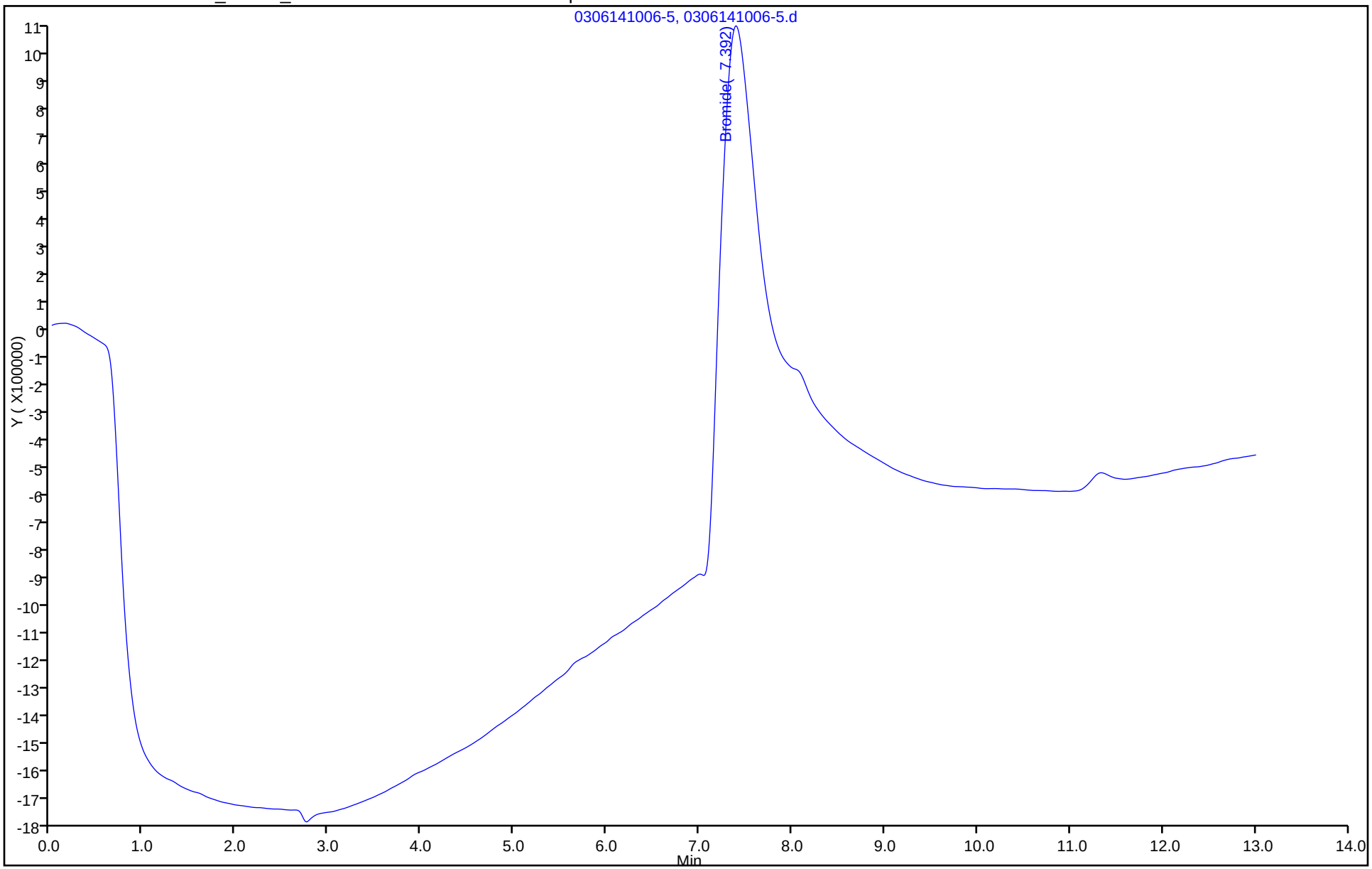
Column 1 : Det: 0423131702-17
Process Host: XAWRK009

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.392	7.333	0.059	44652519	NC	

Report Date: 07-Mar-2014 13:07:40 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141006-5.d				
Injection Date:	06-Mar-2014 10:06:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	MB	Lab Sample ID:	MB 680-318581/5-A	Worklist Smp#:	5
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: MB 680-318581/31
Matrix: Water
Lab File ID: 0306141901-31.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 19:01
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318581
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082

TestAmerica Savannah
Target Compound Quantitation Report

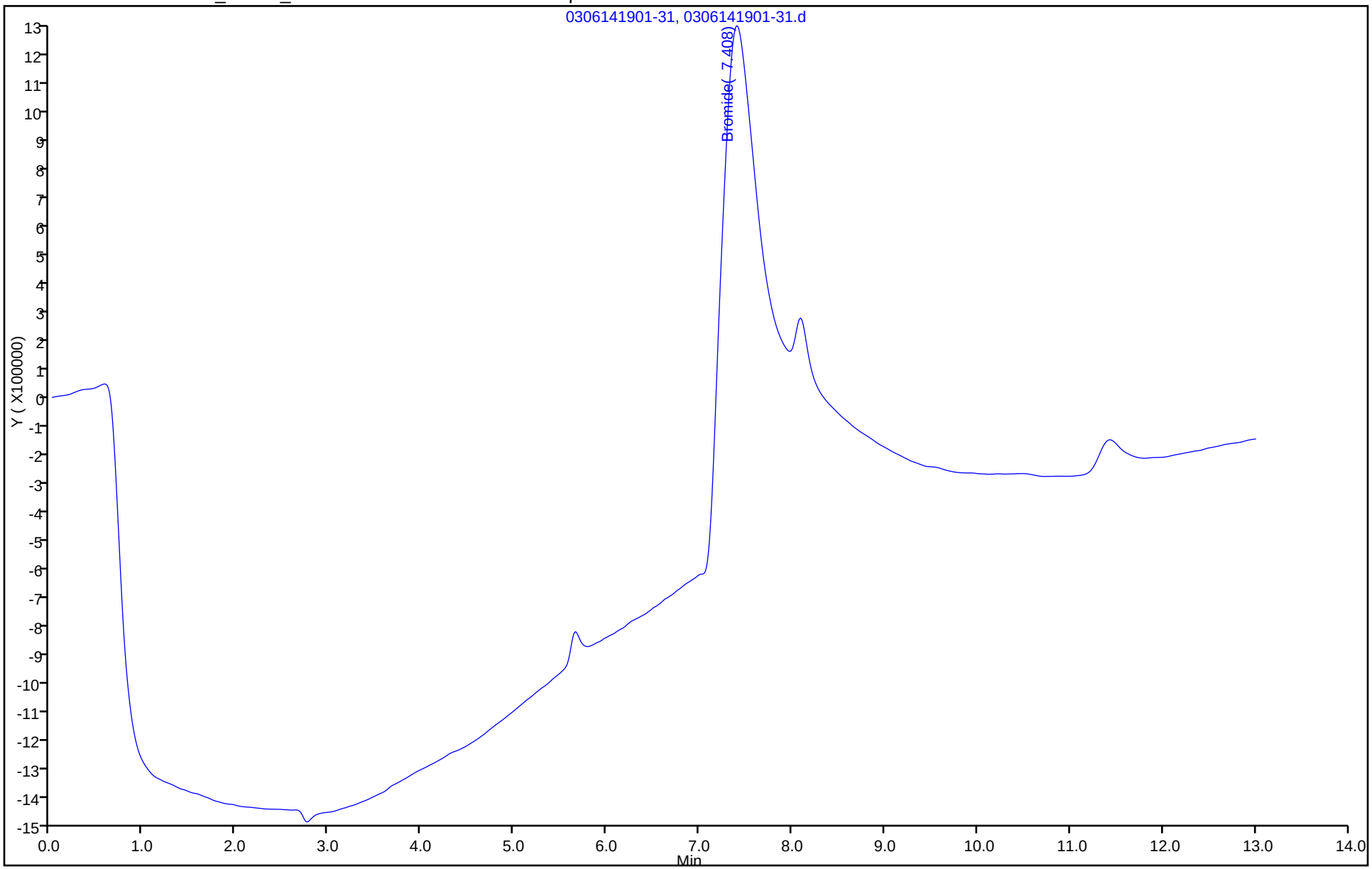
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141901-31.d				
Lims ID:	CCB	Lab Sample ID:	CCB 680-318581/31-A		
Client ID:					
Sample Type:	CCB				
Inject. Date:	06-Mar-2014 19:01:00	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G030614 Anion				
Misc. Info.:	29077				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:49	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.408	7.333	0.075	39230360	NC	

Report Date: 07-Mar-2014 13:07:50 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141901-31.d				
Injection Date:	06-Mar-2014 19:01:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCB	Lab Sample ID:	CCB 680-318581/31-A	Worklist Smp#:	31
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: MB 680-318770/5
Matrix: Water
Lab File ID: 0307141046-5.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/07/2014 10:46
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318770
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	<0.11		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140307-6991.b\0307141046-5.d
Lims ID: MB Lab Sample ID: MB 680-318770/5-A
Client ID:
Sample Type: MB
Inject. Date: 07-Mar-2014 10:46:00 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: MB 1G030714 Anion
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140307-6991.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 08-Mar-2014 08:04:53 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

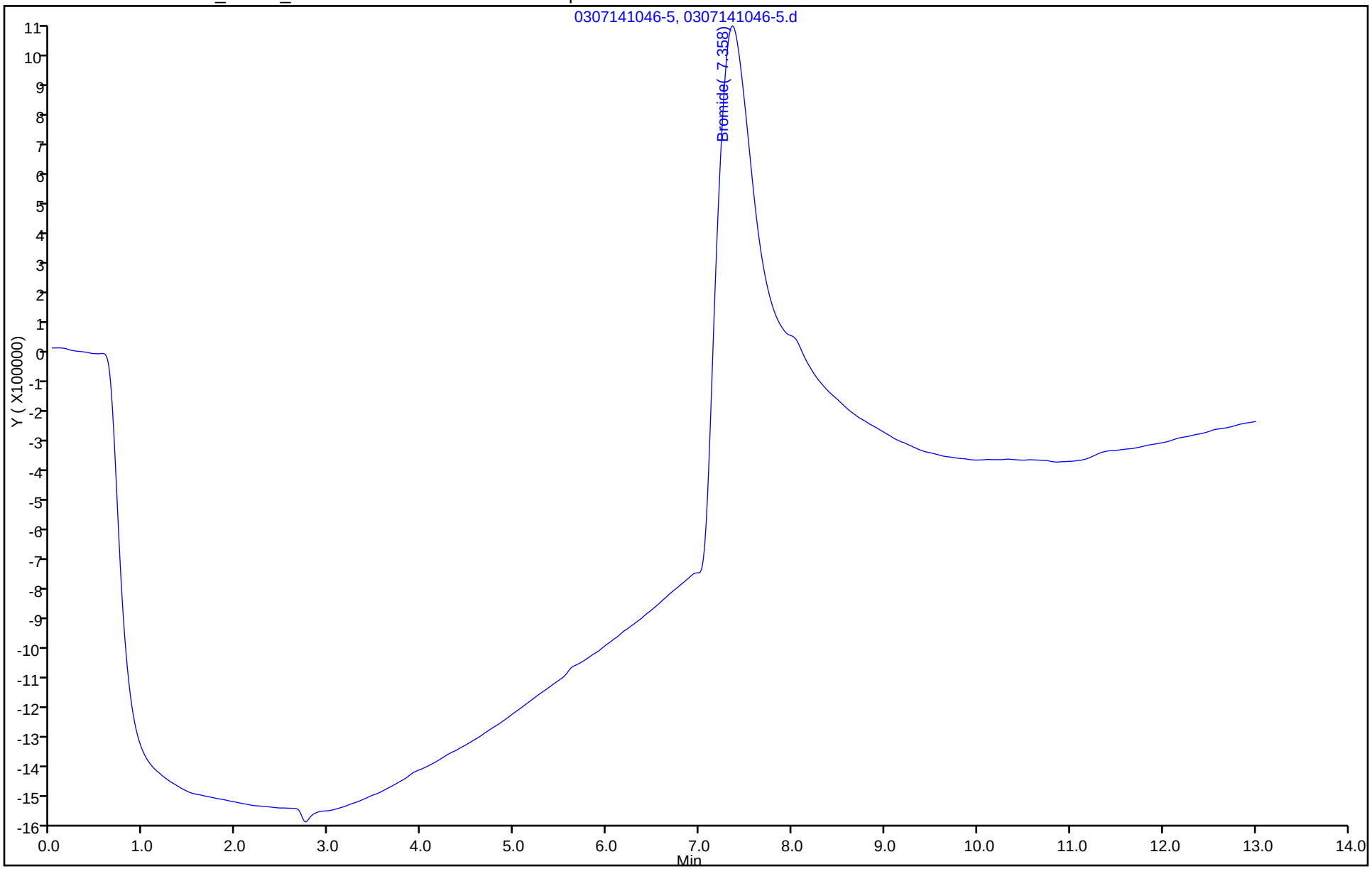
Column 1 : Det: 0423131702-17
Process Host: XAWRK036

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.358	7.333	0.025	41288311	NC	

Report Date: 08-Mar-2014 08:04:53 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140307-6991.b\0307141046-5.d				
Injection Date:	07-Mar-2014 10:46:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	MB	Lab Sample ID:	MB 680-318770/5-A	Worklist Smp#:	5
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: CCB 680-318480/19
Matrix: Water
Lab File ID: 0306141341-19.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 13:41
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318480
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	<0.11		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

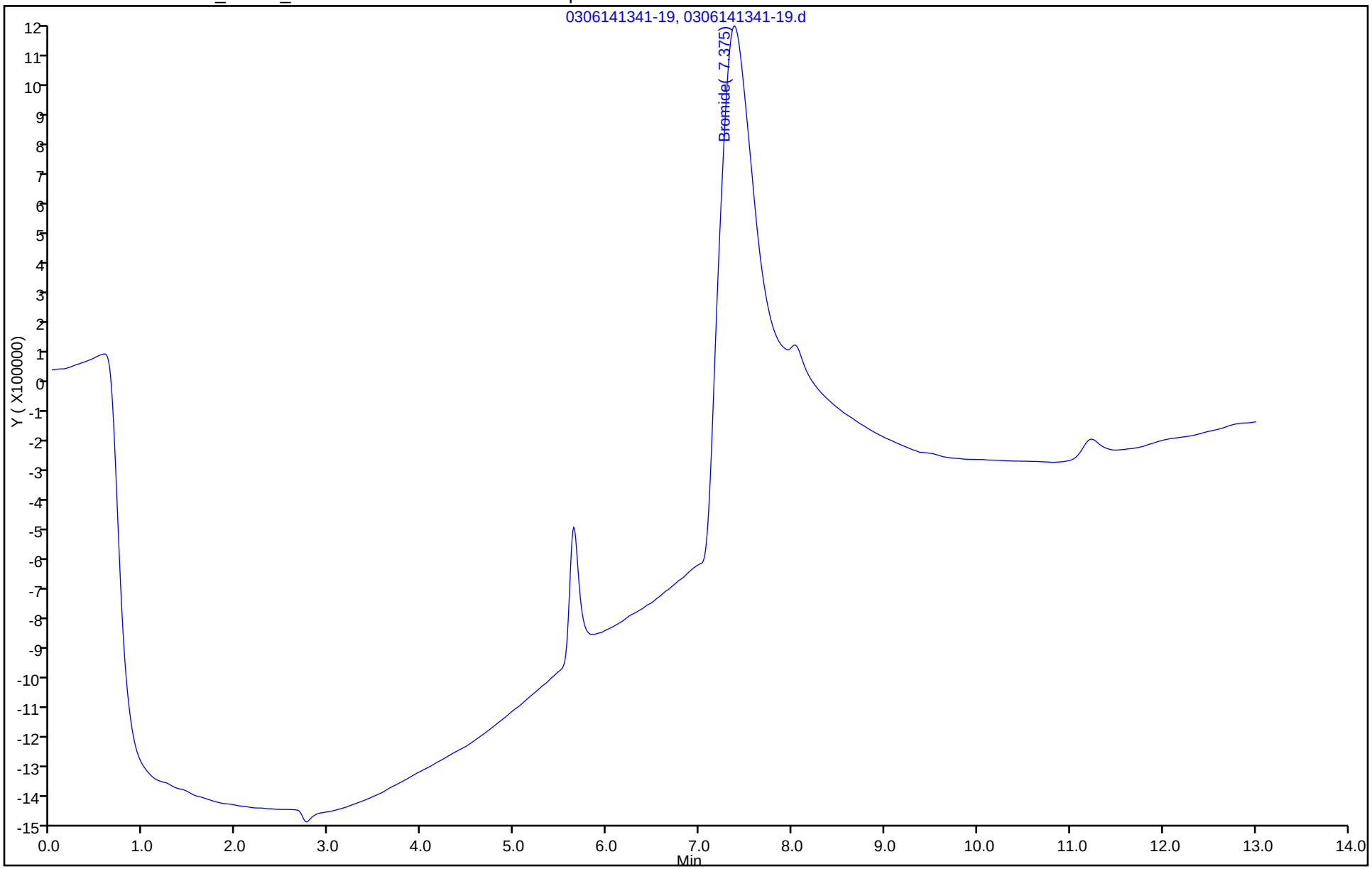
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141341-19.d				
Lims ID:	CCB	Lab Sample ID:	CCB 680-318581/19-A		
Client ID:					
Sample Type:	CCB				
Inject. Date:	06-Mar-2014 13:41:00	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G030614 Anion				
Misc. Info.:	28191				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:45	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.375	7.333	0.042	37540532	NC	

Report Date: 07-Mar-2014 13:07:45 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141341-19.d				
Injection Date:	06-Mar-2014 13:41:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCB	Lab Sample ID:	CCB 680-318581/19-A	Worklist Smp#:	19
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: CCB 680-318480/31
Matrix: Water
Lab File ID: 0306141901-31.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 19:01
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318480
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	<0.11		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

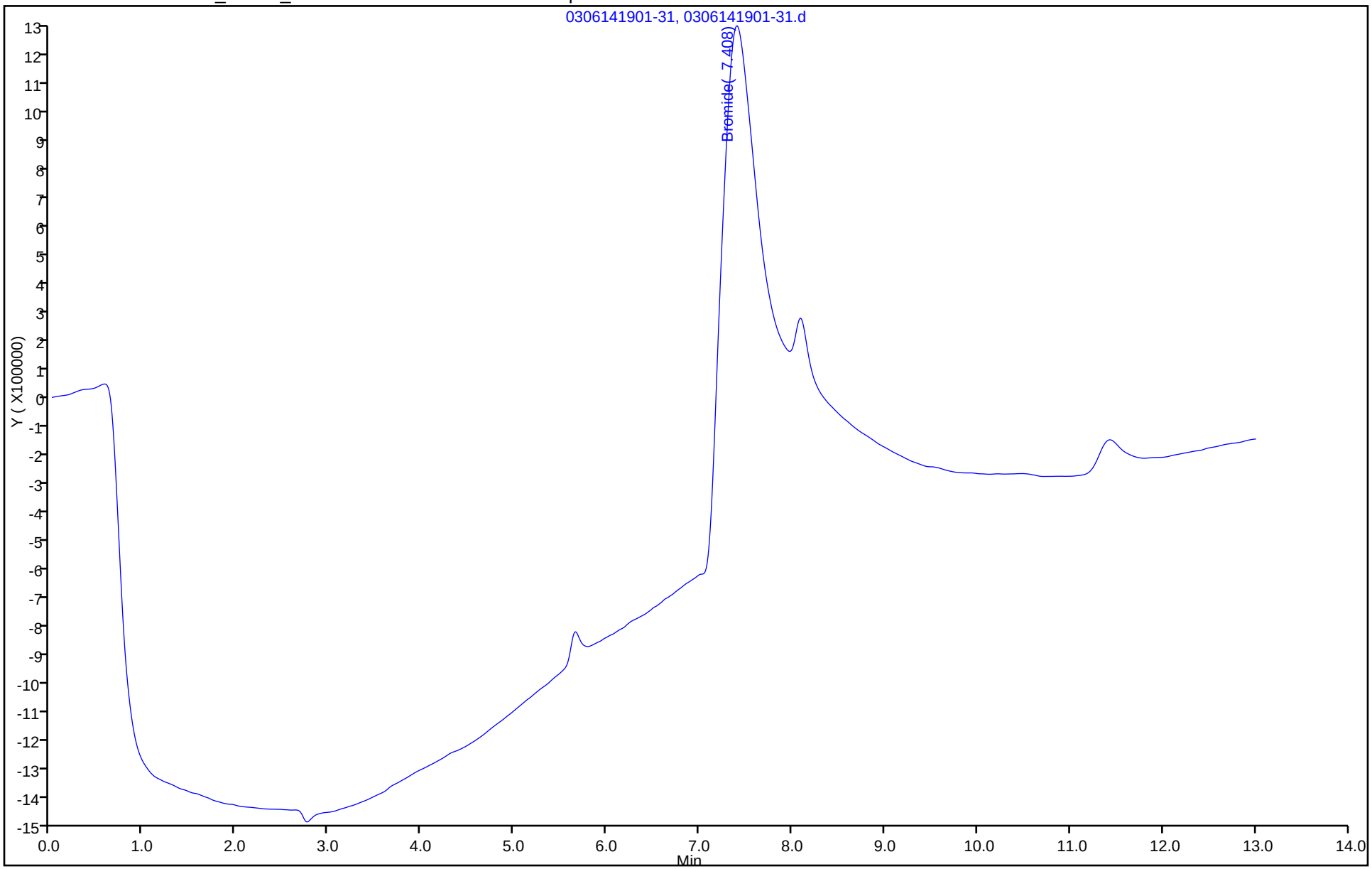
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141901-31.d				
Lims ID:	CCB	Lab Sample ID:	CCB 680-318581/31-A		
Client ID:					
Sample Type:	CCB				
Inject. Date:	06-Mar-2014 19:01:00	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G030614 Anion				
Misc. Info.:	29077				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:49	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.408	7.333	0.075	39230360	NC	

Report Date: 07-Mar-2014 13:07:50 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141901-31.d				
Injection Date:	06-Mar-2014 19:01:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCB	Lab Sample ID:	CCB 680-318581/31-A	Worklist Smp#:	31
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: CCB 680-318581/44
Matrix: Water
Lab File ID: 0306142221-44.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 22:21
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318581
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082

TestAmerica Savannah
Target Compound Quantitation Report

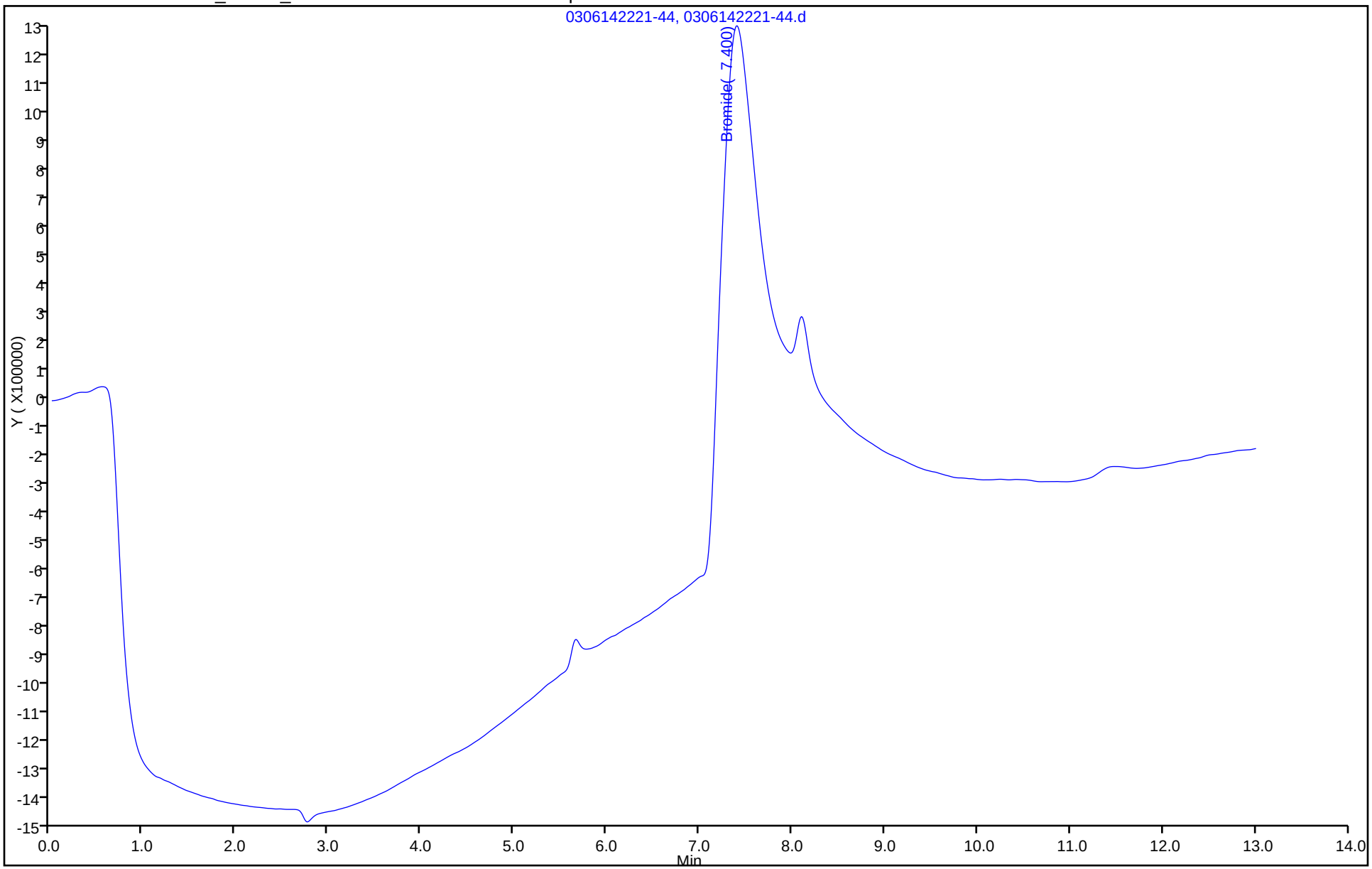
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306142221-44.d				
Lims ID:	CCB	Lab Sample ID:	CCB 680-318581/44-A		
Client ID:					
Sample Type:	CCB				
Inject. Date:	06-Mar-2014 22:21:00	ALS Bottle#:	0	Worklist Smp#:	44
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G030614 Anion				
Misc. Info.:	8495				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:54	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.400	7.333	0.067	40199790	NC	

Report Date: 07-Mar-2014 13:07:54 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306142221-44.d				
Injection Date:	06-Mar-2014 22:21:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCB	Lab Sample ID:	CCB 680-318581/44-A	Worklist Smp#:	44
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: CCB 680-318770/16
Matrix: Water
Lab File ID: 0307141827-16.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/07/2014 18:27
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318770
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	<0.11		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140307-6991.b\0307141827-16.d
Lims ID: CCB Lab Sample ID: CCB 680-318770/16-A
Client ID:
Sample Type: CCB
Inject. Date: 07-Mar-2014 18:27:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: CCB 1G030714 Anion
Misc. Info.: 7996
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140307-6991.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 08-Mar-2014 08:04:57 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

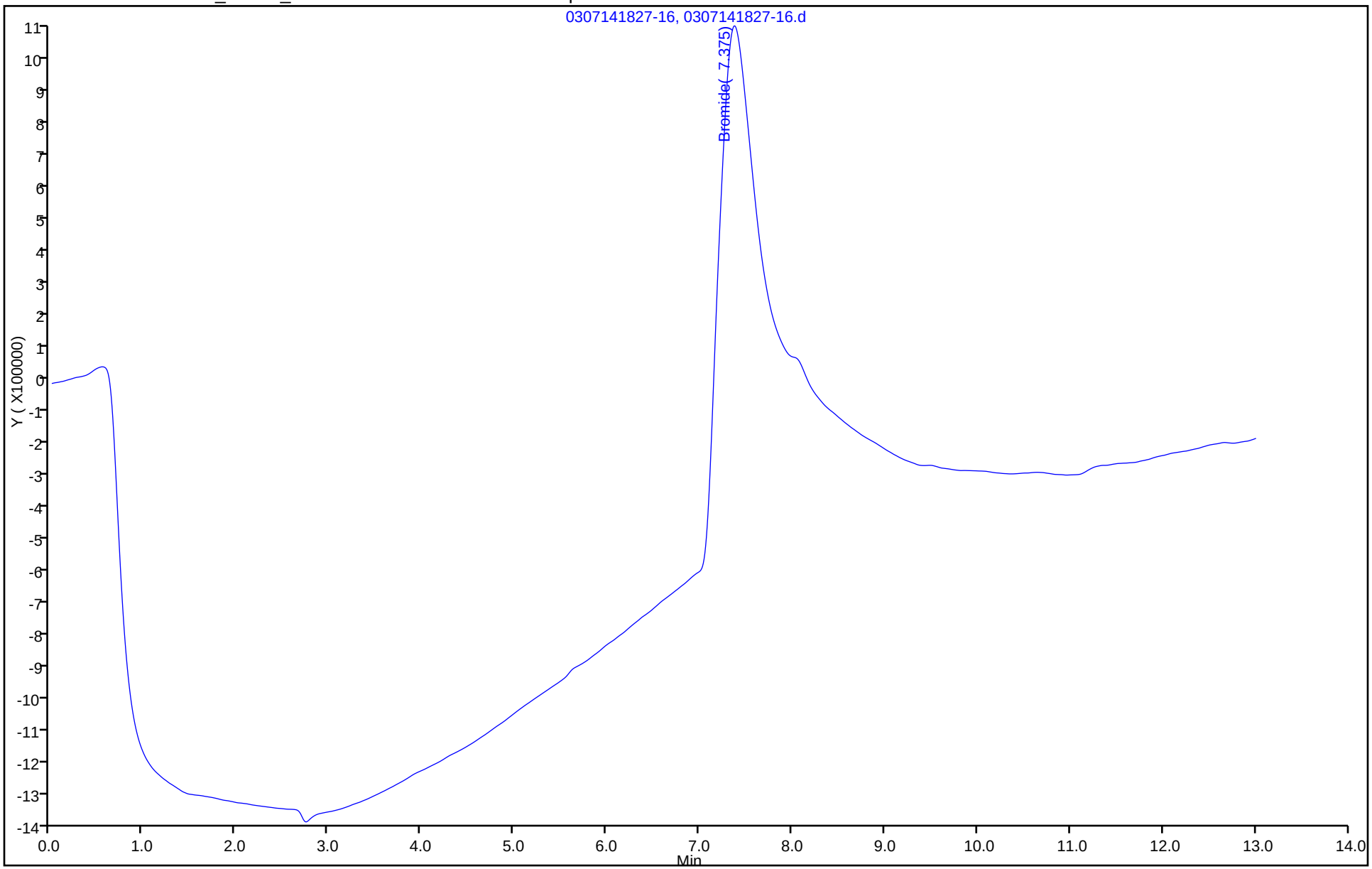
Column 1 : Det: 0423131702-17
Process Host: XAWRK036

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.375	7.333	0.042	37429613	NC	

Report Date: 08-Mar-2014 08:04:58 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140307-6991.b\0307141827-16.d				
Injection Date:	07-Mar-2014 18:27:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCB	Lab Sample ID:	CCB 680-318770/16-A	Worklist Smp#:	16
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: ICB 680-317856/1009
Matrix: Water
Lab File ID: 0228141657-29-ICB.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 02/28/2014 16:57
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 317856
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.082		0.17	0.082
STL00672	Nitrate as NO3	<0.11		0.22	0.11

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141657-29-ICB.d
Lims ID: ICB Lab Sample ID: MB 680-317856/9-A
Client ID:
Sample Type: ICB
Inject. Date: 28-Feb-2014 16:57:00 ALS Bottle#: 0 Worklist Smp#: 1009
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: MB 1G022814 Anion
Misc. Info.: 20587
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140228-6812.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 03-Mar-2014 08:44:36 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

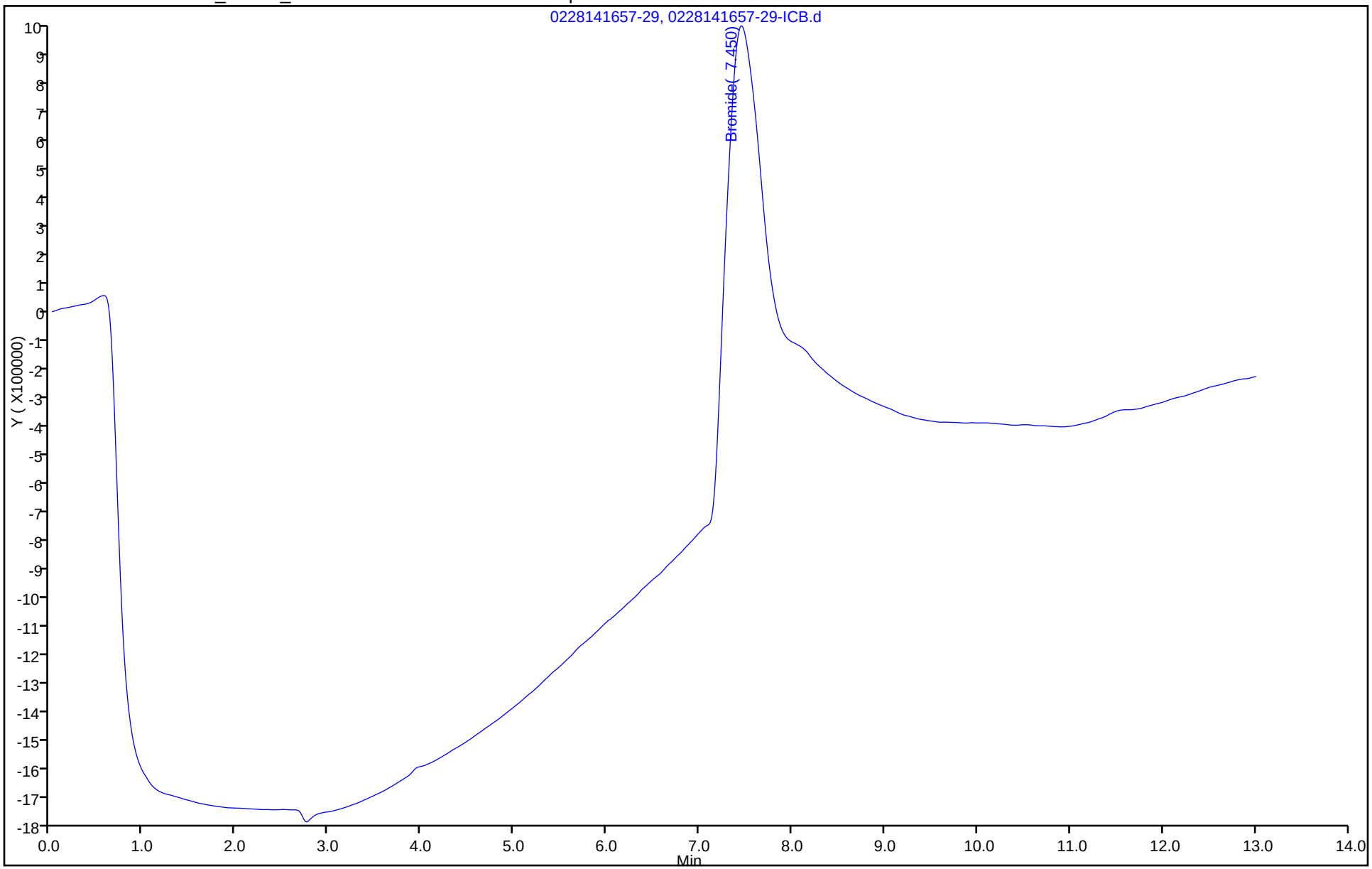
Column 1 : Det: 0423131702-17
Process Host: XAWRK011

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.450	7.450	0.0	60468671	NC	

Report Date: 03-Mar-2014 08:44:37 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Laboratories

Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141657-29-ICB.d				
Injection Date:	28-Feb-2014 16:57:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	ICB	Lab Sample ID:	MB 680-317856/9-A	Worklist Smp#:	1009
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: LCS 680-318480/6
Matrix: Water
Lab File ID: 0306141021-6.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 10:21
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318480
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.26		0.17	0.082
STL00672	Nitrate as NO3	4.30		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141021-6.d
Lims ID: LCS Lab Sample ID: LCS 680-318581/6-A
Client ID:
Sample Type: LCS
Inject. Date: 06-Mar-2014 10:21:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCS 1G030614 Anion
Misc. Info.: 6 3473235
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 13:07:40 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK009

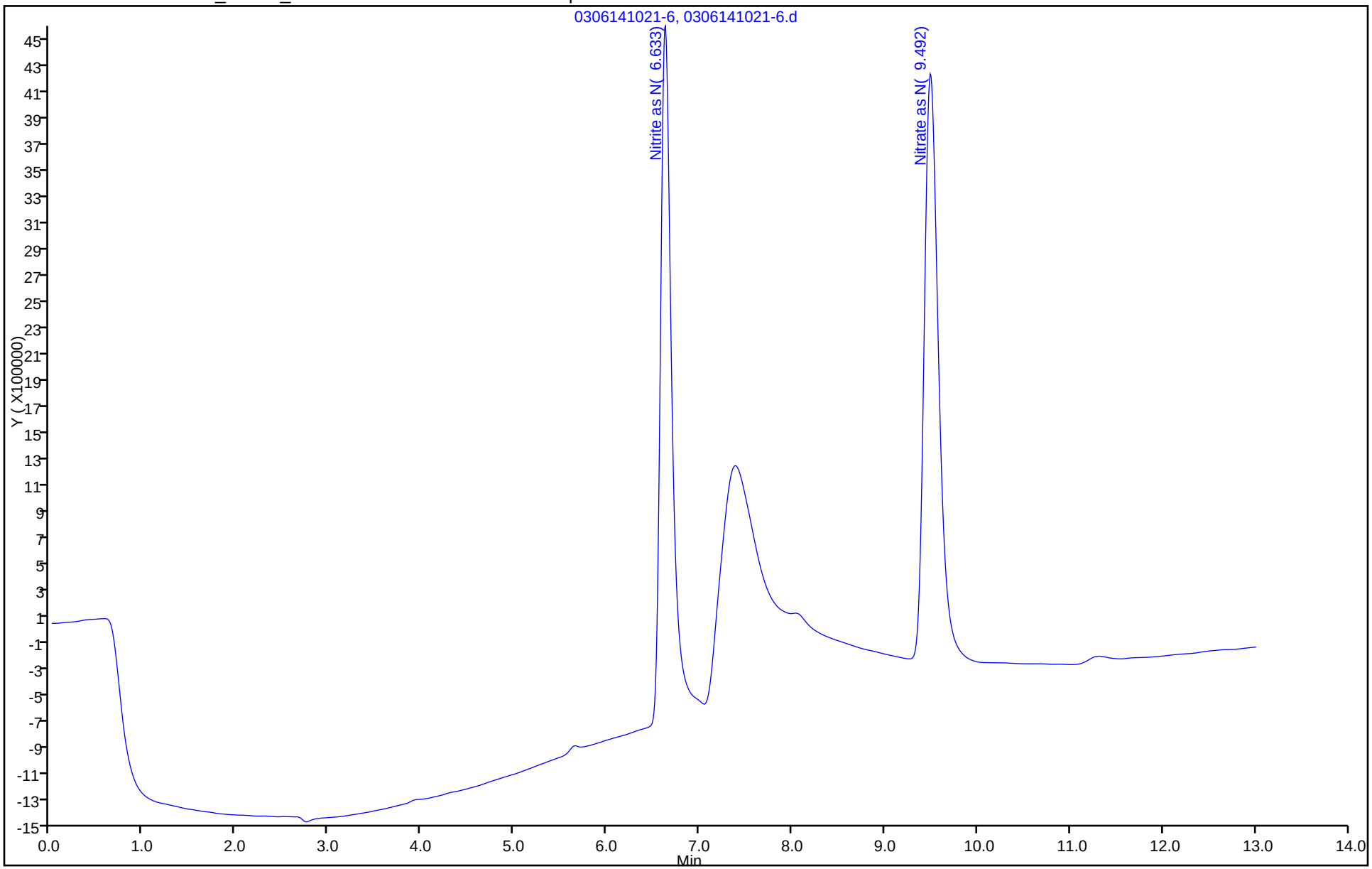
First Level Reviewer: singhv Date: 07-Mar-2014 12:59:15

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.633	6.625	0.008	44606542	0.99	
	6 Nitrate as N	9.492	9.483	0.009	48007907	0.9720	
S	9 Nitrite as NO2					3.26	
S	10 Nitrate as NO3					4.30	

Report Date: 07-Mar-2014 13:07:41 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141021-6.d				
Injection Date:	06-Mar-2014 10:21:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	LCS	Lab Sample ID:	LCS 680-318581/6-A	Worklist Smp#:	6
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: LCS 680-318581/32
Matrix: Water
Lab File ID: 0306141916-32.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 19:16
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318581
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.20		0.17	0.082

TestAmerica Savannah
Target Compound Quantitation Report

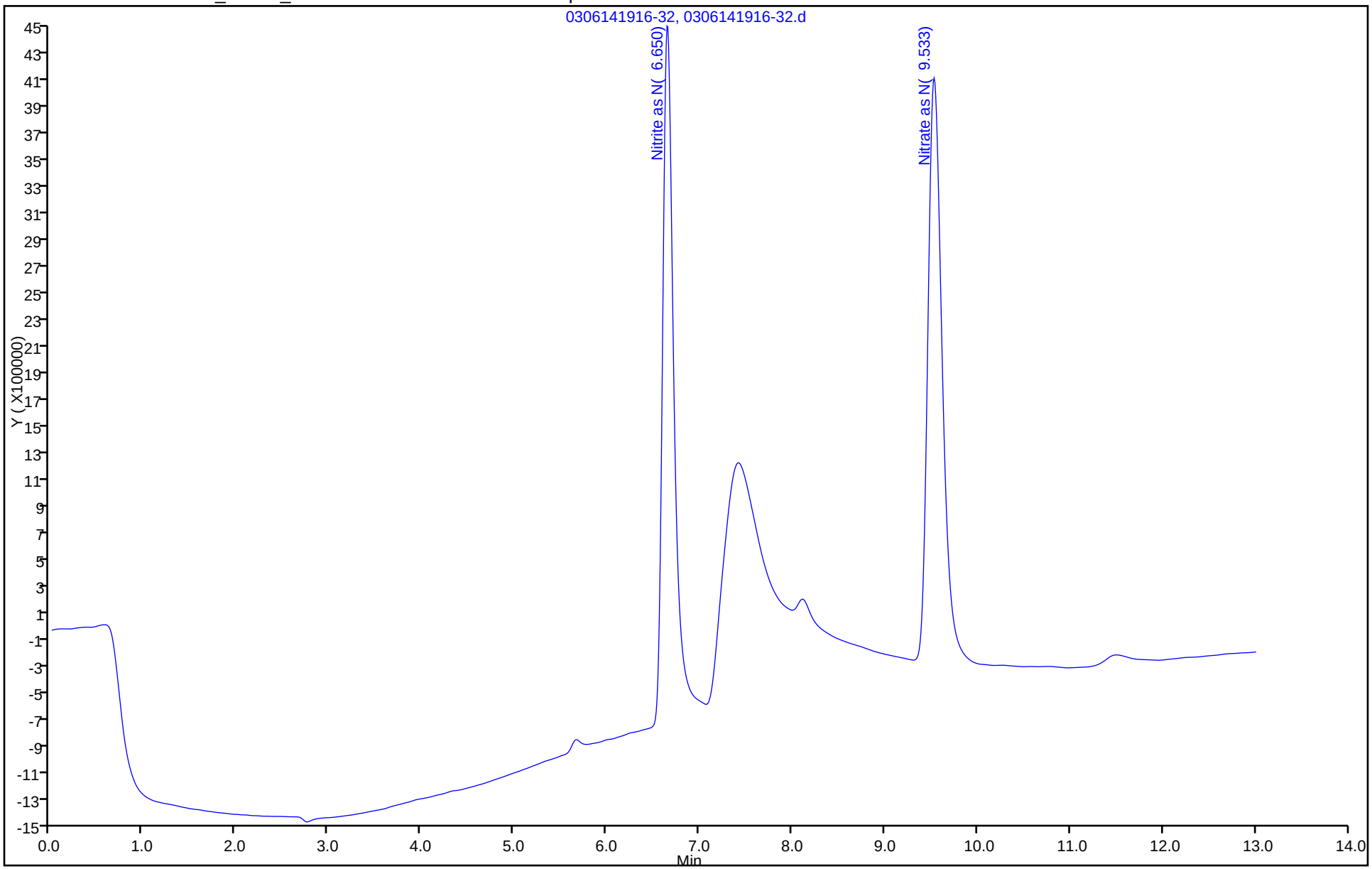
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141916-32.d				
Lims ID:	LCS	Lab Sample ID:	LCS 680-318581/32-A		
Client ID:					
Sample Type:	LCS				
Inject. Date:	06-Mar-2014 19:16:00	ALS Bottle#:	0	Worklist Smp#:	32
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 1G030614 Anion				
Misc. Info.:	19222 3473235				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:49	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.650	6.650	0.0	43721426	0.9720	
	6 Nitrate as N	9.533	9.533	0.0	46947310	0.9508	
S	9 Nitrite as NO2					3.20	
S	10 Nitrate as NO3					4.21	

Report Date: 07-Mar-2014 13:07:50 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141916-32.d				
Injection Date:	06-Mar-2014 19:16:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	LCS	Lab Sample ID:	LCS 680-318581/32-A	Worklist Smp#:	32
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: LCS 680-318770/6
Matrix: Water
Lab File ID: 0307141102-6.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/07/2014 11:02
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318770
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.17		0.17	0.082
STL00672	Nitrate as NO3	4.21		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

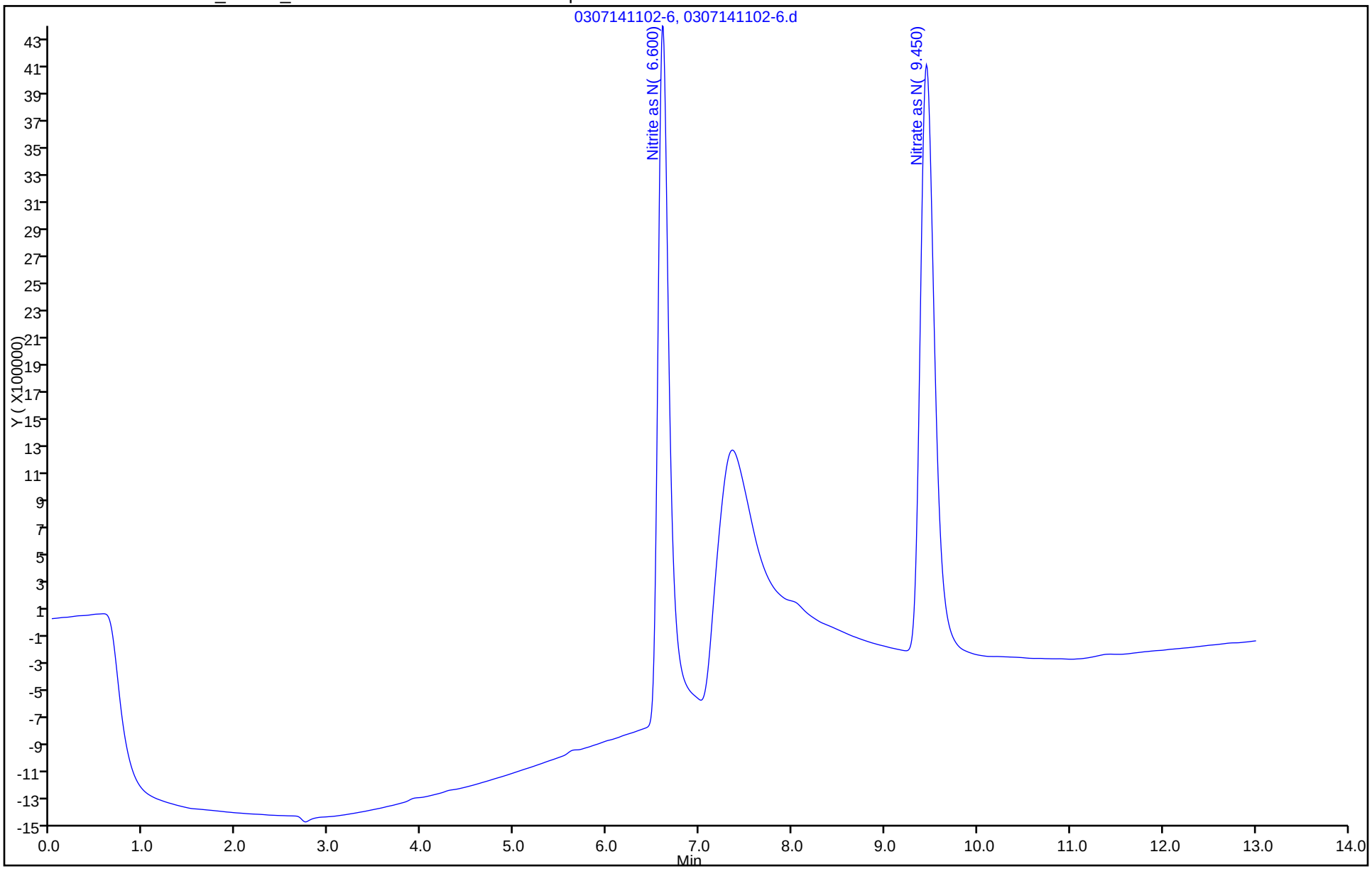
Data File:	\\SAVCHROM\ChromData\CICG\20140307-6991.b\0307141102-6.d				
Lims ID:	LCS	Lab Sample ID:	LCS 680-318770/6-A		
Client ID:					
Sample Type:	LCS				
Inject. Date:	07-Mar-2014 11:02:00	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 1G030714 Anion				
Misc. Info.:	6 3473235				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140307-6991.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	08-Mar-2014 08:04:53	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK036				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.600	6.600	0.0	43346624	0.9638	
	6 Nitrate as N	9.450	9.442	0.008	46974246	0.9514	
S	9 Nitrite as NO2					3.17	
S	10 Nitrate as NO3					4.21	

Report Date: 08-Mar-2014 08:04:54 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140307-6991.b\0307141102-6.d				
Injection Date:	07-Mar-2014 11:02:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	LCS	Lab Sample ID:	LCS 680-318770/6-A	Worklist Smp#:	6
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: LCSD 680-318480/7
Matrix: Water
Lab File ID: 0306141036-7.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/06/2014 10:36
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318480
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.28		0.17	0.082
STL00672	Nitrate as NO3	4.32		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141036-7.d
Lims ID: LCSD Lab Sample ID: LCSD 680-318581/7-A
Client ID:
Sample Type: LCSD
Inject. Date: 06-Mar-2014 10:36:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 1G030614 Anion
Misc. Info.: 7 3473235
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 07-Mar-2014 13:07:40 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

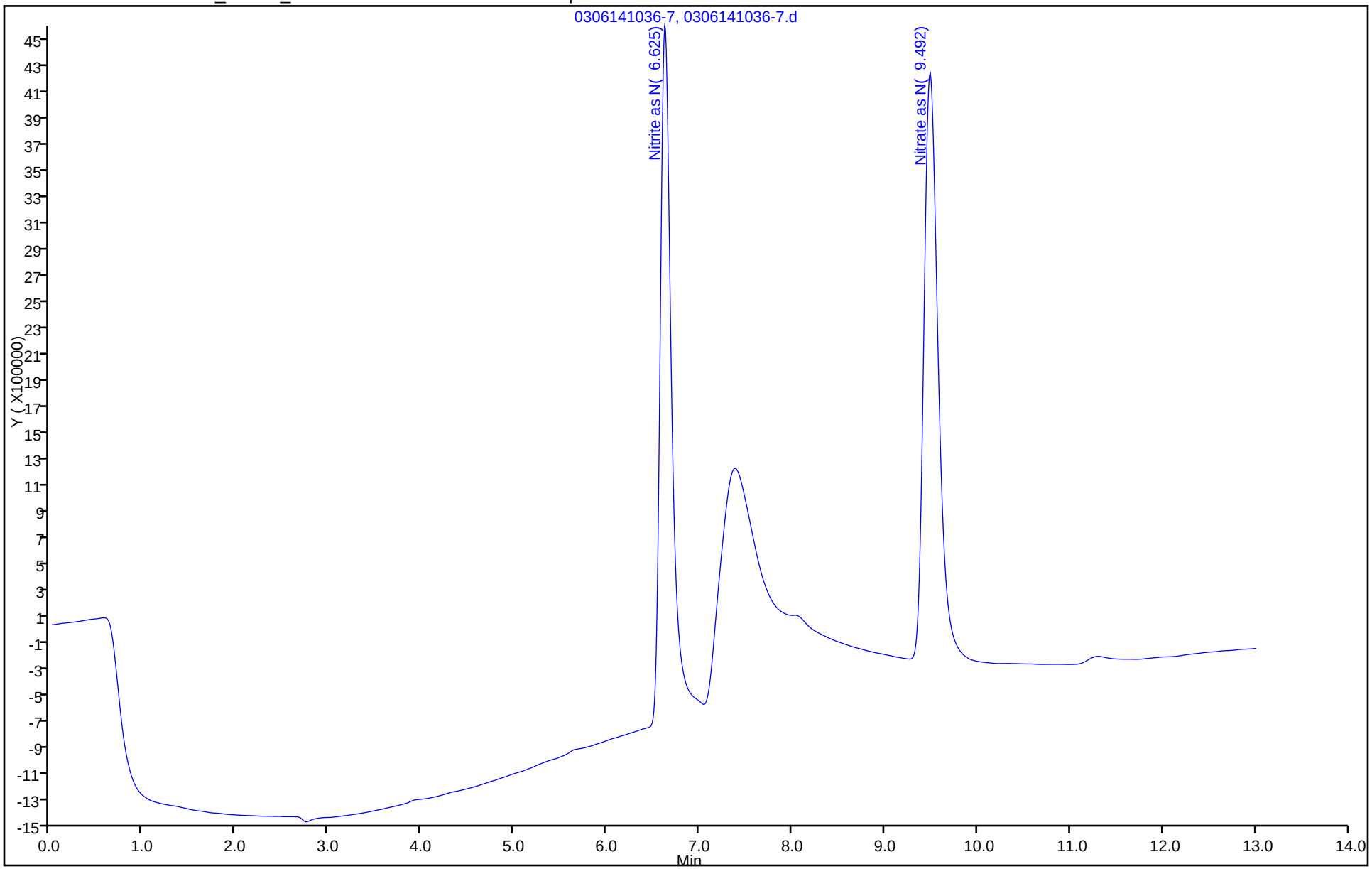
Column 1 : Det: 0423131702-17
Process Host: XAWRK009

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.625	6.625	0.0	44907397	1.00	
	6 Nitrate as N	9.492	9.483	0.009	48203794	0.9759	
S	9 Nitrite as NO2					3.28	
S	10 Nitrate as NO3					4.32	

Report Date: 07-Mar-2014 13:07:41 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141036-7.d				
Injection Date:	06-Mar-2014 10:36:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	LCSD	Lab Sample ID:	LCSD 680-318581/7-A	Worklist Smp#:	7
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: Lab Sample ID: LCSD 680-318581/33

Matrix: Water Lab File ID: 0306141932-33.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 19:32

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318581 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.22		0.17	0.082

TestAmerica Savannah
Target Compound Quantitation Report

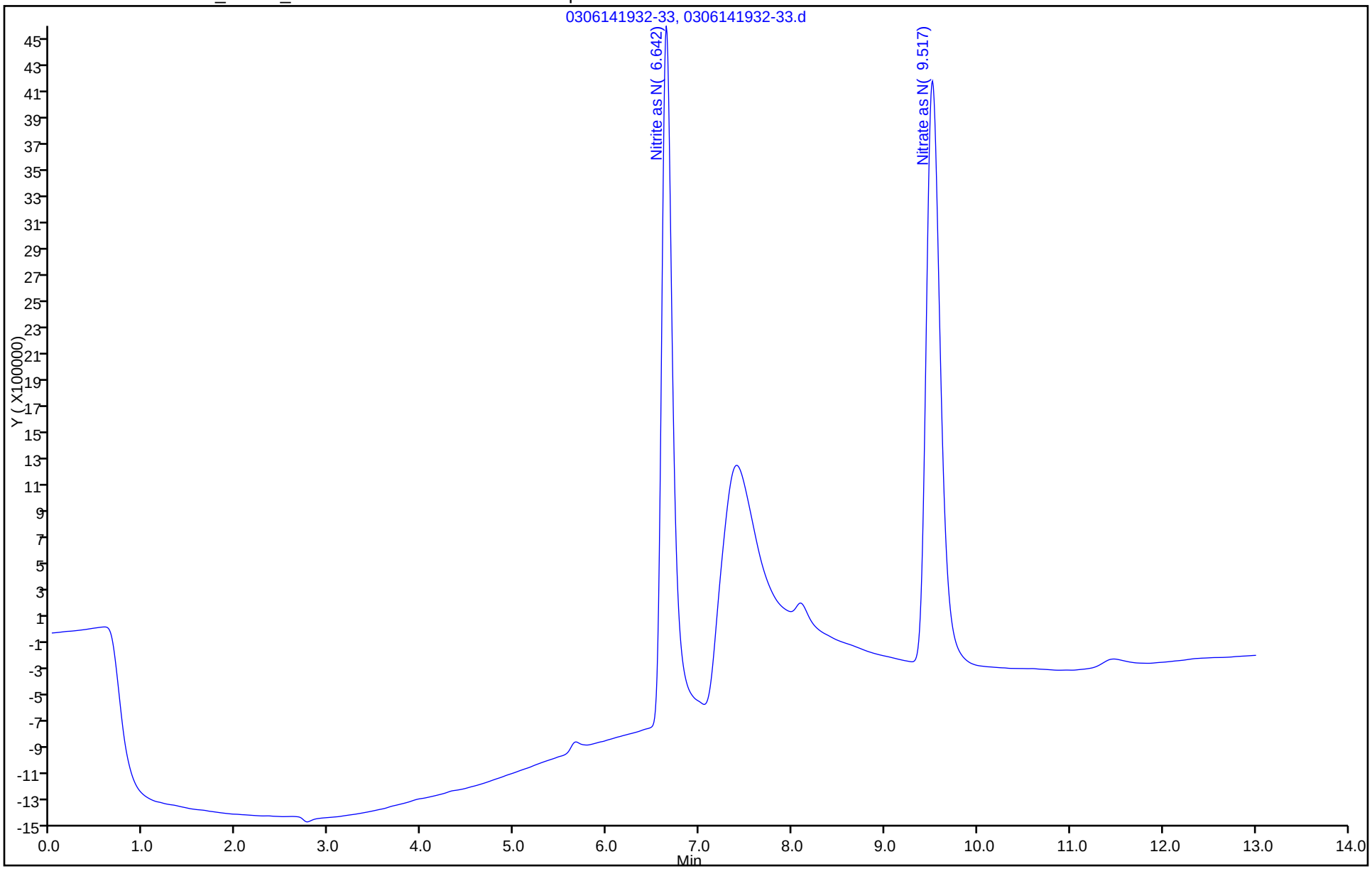
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141932-33.d				
Lims ID:	LCSD	Lab Sample ID:	LCSD 680-318581/33-A		
Client ID:					
Sample Type:	LCSD				
Inject. Date:	06-Mar-2014 19:32:00	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 1G030614 Anion				
Misc. Info.:	7779 3473235				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:49	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.642	6.650	-0.008	43985953	0.9778	
	6 Nitrate as N	9.517	9.533	-0.016	47339353	0.9587	
S	9 Nitrite as NO2					3.22	
S	10 Nitrate as NO3					4.24	

Report Date: 07-Mar-2014 13:07:50 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141932-33.d				
Injection Date:	06-Mar-2014 19:32:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	LCSD	Lab Sample ID:	LCSD 680-318581/33-A	Worklist Smp#:	33
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG No.: 68099170-1
Client Sample ID:
Lab Sample ID: LCSD 680-318770/7
Matrix: Water
Lab File ID: 0307141117-7.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/07/2014 11:17
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 318770
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.17		0.17	0.082
STL00672	Nitrate as NO3	4.20		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140307-6991.b\0307141117-7.d
Lims ID: LCSD Lab Sample ID: LCSD 680-318770/7-A
Client ID:
Sample Type: LCSD
Inject. Date: 07-Mar-2014 11:17:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 1G030714 Anion
Misc. Info.: 7 3473235
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140307-6991.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 08-Mar-2014 08:04:53 Calib Date: 28-Feb-2014 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK036

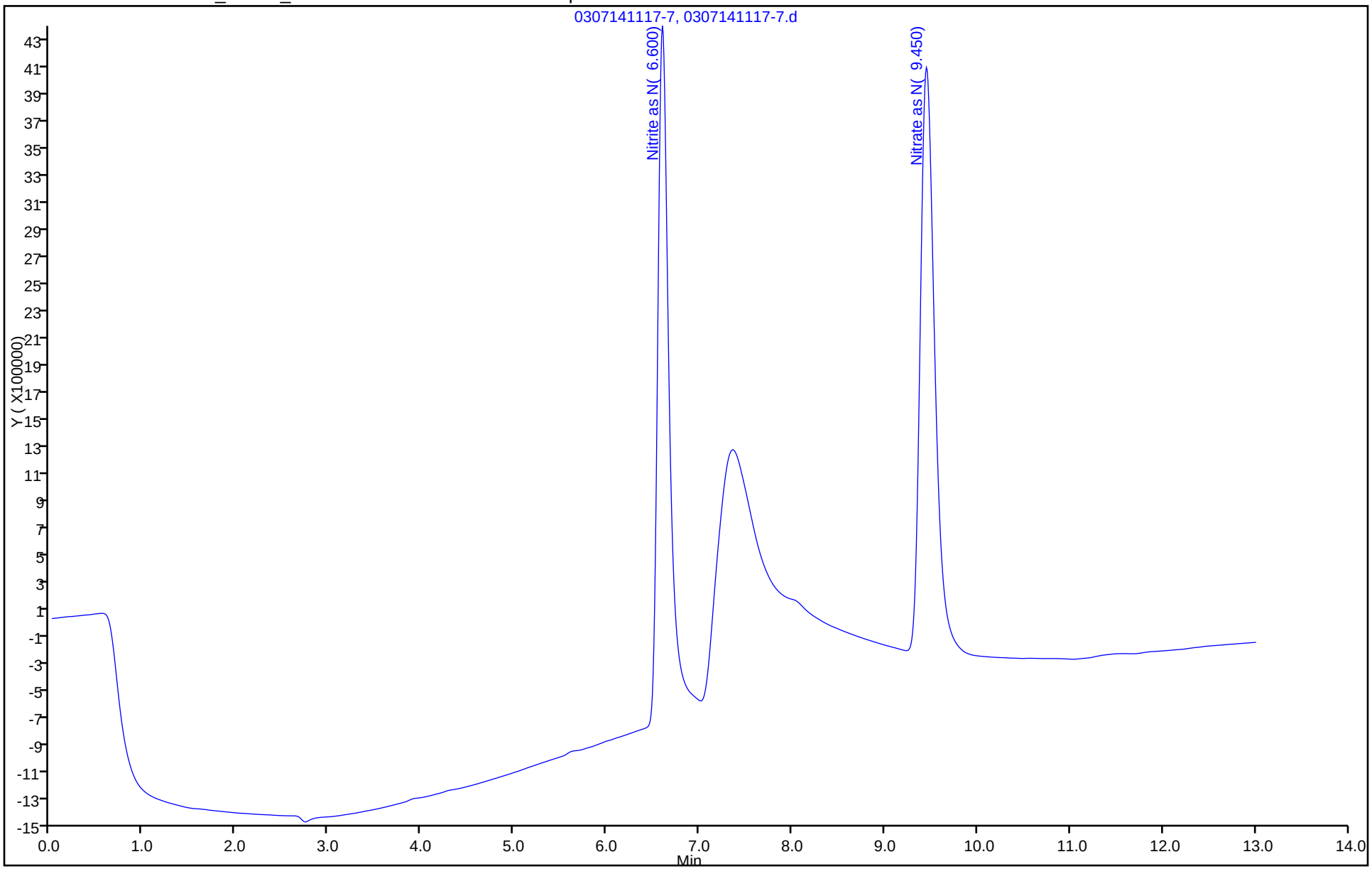
First Level Reviewer: singhv Date: 07-Mar-2014 17:48:52

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.600	6.600	0.0	43262785	0.9620	
	6 Nitrate as N	9.450	9.442	0.008	46838149	0.9487	
S	9 Nitrite as NO2					3.17	
S	10 Nitrate as NO3					4.20	

Report Date: 08-Mar-2014 08:04:54 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140307-6991.b\0307141117-7.d				
Injection Date:	07-Mar-2014 11:17:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	LCSD	Lab Sample ID:	LCSD 680-318770/7-A	Worklist Smp#:	7
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW08A MS | Lab Sample ID: 680-99170-1 MS

Matrix: Water | Lab File ID: 0306141627-21.d

Analysis Method: 300.0 | Date Collected: 03/05/2014 09:40

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 03/06/2014 16:27

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 25(uL) | GC Column: AS18 ID: 4(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 318480 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	2.86		0.17	0.082
STL00672	Nitrate as NO3	4.22		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

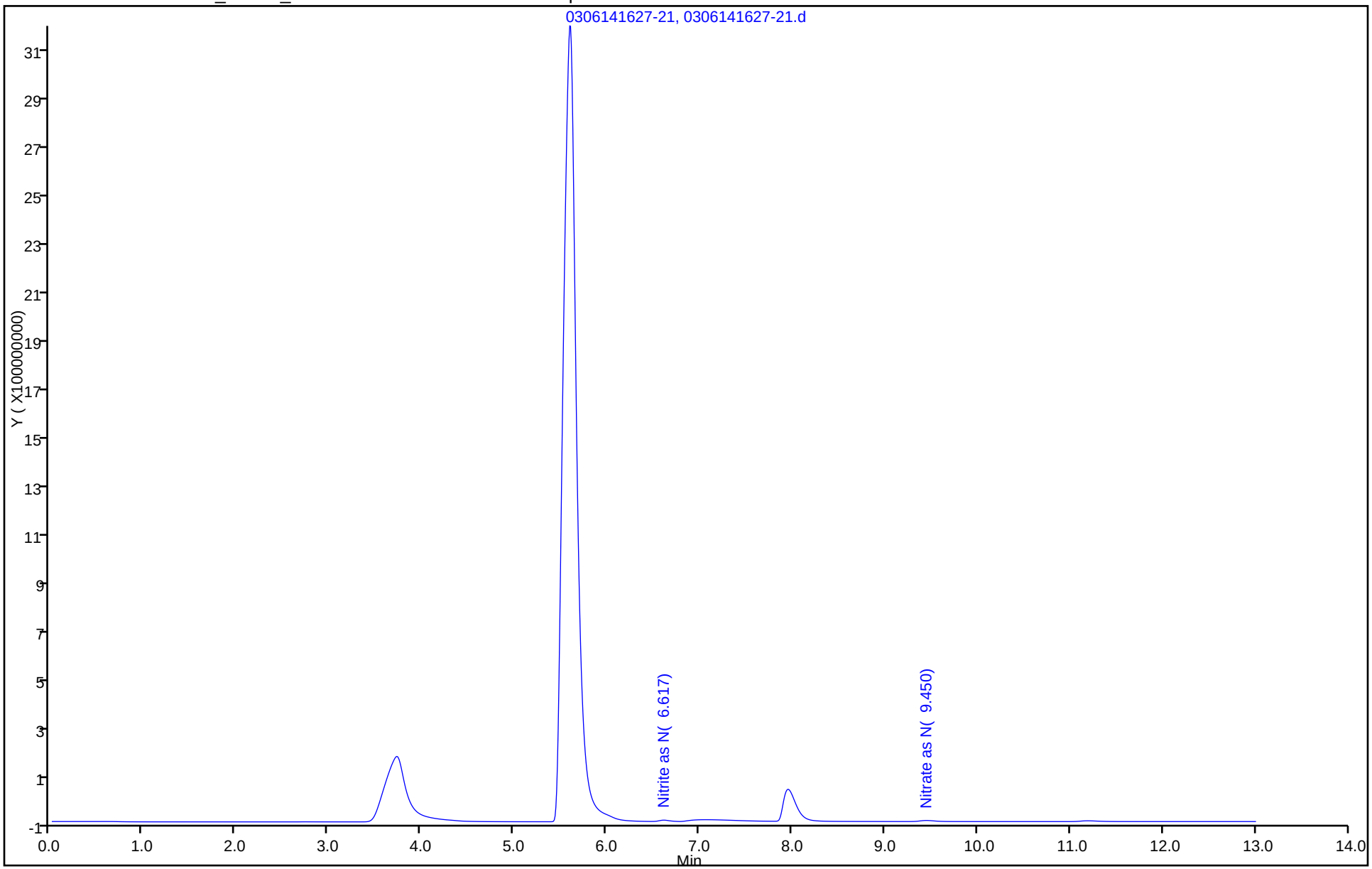
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141627-21.d				
Lims ID:	680-99170-F-1 MS	Lab Sample ID:	680-99170-1		
Client ID:					
Sample Type:	MS				
Inject. Date:	06-Mar-2014 16:27:00	ALS Bottle#:	0	Worklist Smp#:	21
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99170-F-1 MS 1G030614 Anion				
Misc. Info.:	30149 3473197				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:45	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.617	6.625	-0.008	39014217	0.8689	
	6 Nitrate as N	9.450	9.492	-0.042	47035747	0.9526	
S	9 Nitrite as NO2					2.86	
S	10 Nitrate as NO3					4.22	

Report Date: 07-Mar-2014 13:07:46 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141627-21.d				
Injection Date:	06-Mar-2014 16:27:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99170-F-1 MS	Lab Sample ID:	680-99170-1	Worklist Smp#:	21
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Client Sample ID: SMSMW08A MSD Lab Sample ID: 680-99170-1 MSD

Matrix: Water Lab File ID: 0306141642-22.d

Analysis Method: 300.0 Date Collected: 03/05/2014 09:40

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/06/2014 16:42

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 318480 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	2.89		0.17	0.082
STL00672	Nitrate as NO3	4.21		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

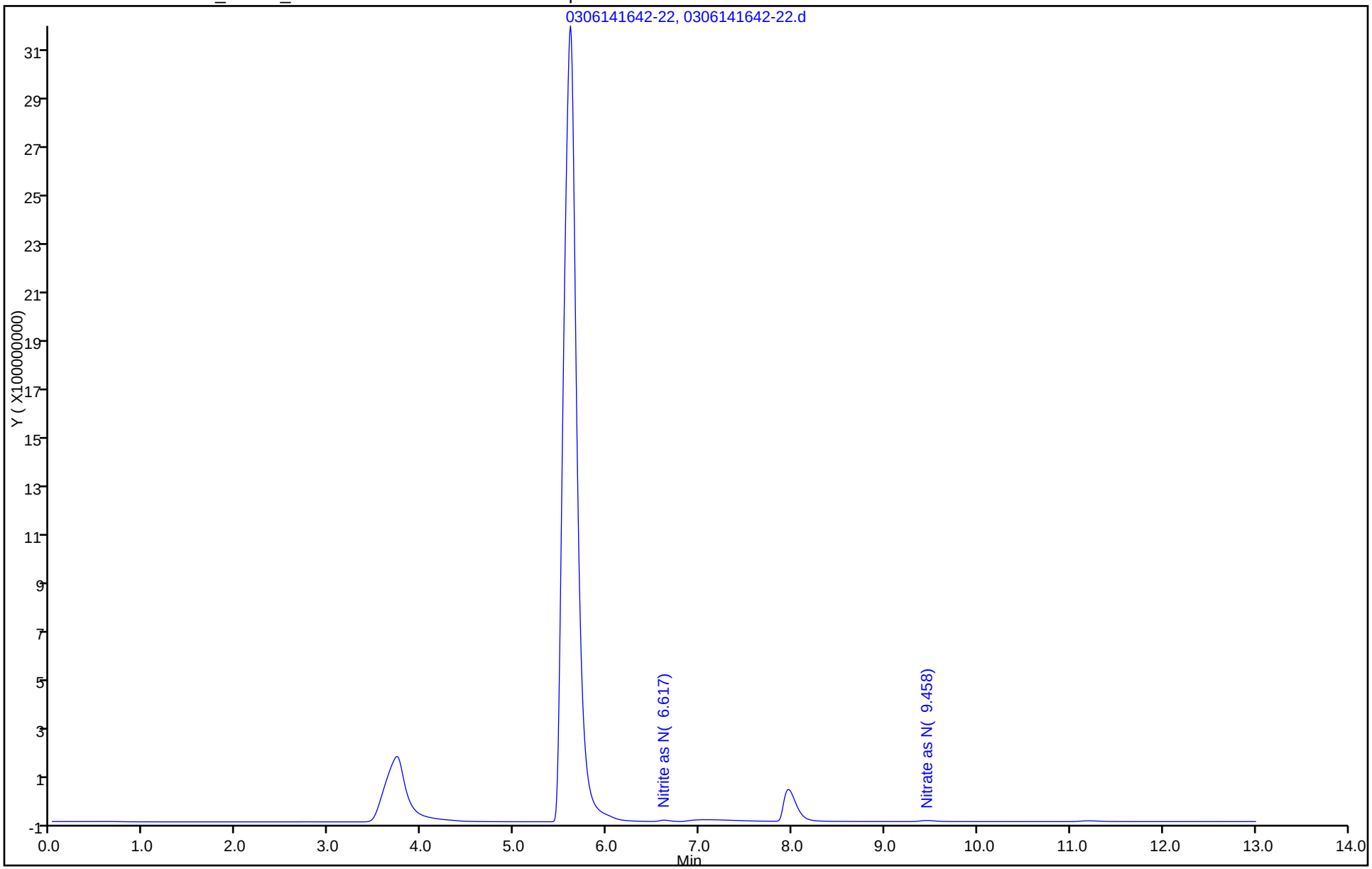
Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141642-22.d				
Lims ID:	680-99170-F-1 MSD	Lab Sample ID:	680-99170-1		
Client ID:					
Sample Type:	MSD				
Inject. Date:	06-Mar-2014 16:42:00	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99170-F-1 MSD 1G030614 Anion				
Misc. Info.:	5707 3473197				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	07-Mar-2014 13:07:45	Calib Date:	28-Feb-2014 16:42:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141642-28.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK009				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.617	6.625	-0.008	39450088	0.8785	
	6 Nitrate as N	9.458	9.492	-0.034	46996219	0.9518	
S	9 Nitrite as NO2					2.89	
S	10 Nitrate as NO3					4.21	

Report Date: 07-Mar-2014 13:07:46 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140306-6940.b\0306141642-22.d				
Injection Date:	06-Mar-2014 16:42:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99170-F-1 MSD	Lab Sample ID:	680-99170-1	Worklist Smp#:	22
Client ID:					
Injection Vol:	25.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	300.0_9056A_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: CICG Start Date: 02/28/2014 15:10

Analysis Batch Number: 317856 End Date: 02/28/2014 20:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 680-317856/2		02/28/2014 15:10	1	0228141510-22.d	AS18 4(mm)
IC 680-317856/3		02/28/2014 15:25	1	0228141525-23.d	AS18 4(mm)
IC 680-317856/4		02/28/2014 15:40	1	0228141540-24.d	AS18 4(mm)
IC 680-317856/5		02/28/2014 15:56	1	0228141556-25.d	AS18 4(mm)
IC 680-317856/6		02/28/2014 16:11	1	0228141611-26.d	AS18 4(mm)
IC 680-317856/7		02/28/2014 16:27	1	0228141627-27.d	AS18 4(mm)
IC 680-317856/8		02/28/2014 16:42	1	0228141642-28.d	AS18 4(mm)
ZZZZZ		02/28/2014 16:57	1		AS18 4(mm)
ICB 680-317856/1009		02/28/2014 16:57	1	0228141657-29-ICB.d	AS18 4(mm)
ZZZZZ		02/28/2014 17:13	1		AS18 4(mm)
ICV 680-317856/1010		02/28/2014 17:13	1	0228141713-30-ICV.d	AS18 4(mm)
ZZZZZ		02/28/2014 17:28	1		AS18 4(mm)
ZZZZZ		02/28/2014 17:44	1		AS18 4(mm)
ZZZZZ		02/28/2014 17:59	1		AS18 4(mm)
ZZZZZ		02/28/2014 18:14	1		AS18 4(mm)
ZZZZZ		02/28/2014 18:30	2		AS18 4(mm)
ZZZZZ		02/28/2014 18:45	1		AS18 4(mm)
ZZZZZ		02/28/2014 19:01	1		AS18 4(mm)
ZZZZZ		02/28/2014 19:16	1		AS18 4(mm)
ZZZZZ		02/28/2014 19:31	1		AS18 4(mm)
ZZZZZ		02/28/2014 19:47	2		AS18 4(mm)
ZZZZZ		02/28/2014 20:02	1		AS18 4(mm)
CCV 680-317856/22		02/28/2014 20:18	1		AS18 4(mm)
CCB 680-317856/23		02/28/2014 20:33	1		AS18 4(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: CICG Start Date: 03/06/2014 09:21

Analysis Batch Number: 318480 End Date: 03/06/2014 19:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/06/2014 09:21	1		AS18 4(mm)
ZZZZZ		03/06/2014 09:36	1		AS18 4(mm)
CCV 680-318480/4		03/06/2014 09:50	1	0306140950-4.d	AS18 4(mm)
MB 680-318480/5		03/06/2014 10:06	1	0306141006-5.d	AS18 4(mm)
LCS 680-318480/6		03/06/2014 10:21	1	0306141021-6.d	AS18 4(mm)
LCSD 680-318480/7		03/06/2014 10:36	1	0306141036-7.d	AS18 4(mm)
ZZZZZ		03/06/2014 11:07	4		AS18 4(mm)
ZZZZZ		03/06/2014 11:23	50		AS18 4(mm)
ZZZZZ		03/06/2014 11:38	1		AS18 4(mm)
ZZZZZ		03/06/2014 11:53	4		AS18 4(mm)
ZZZZZ		03/06/2014 12:09	4		AS18 4(mm)
ZZZZZ		03/06/2014 12:24	4		AS18 4(mm)
ZZZZZ		03/06/2014 12:40	1		AS18 4(mm)
ZZZZZ		03/06/2014 12:55	10		AS18 4(mm)
ZZZZZ		03/06/2014 13:10	2		AS18 4(mm)
CCV 680-318480/18		03/06/2014 13:26	1	0306141326-18.d	AS18 4(mm)
CCB 680-318480/19		03/06/2014 13:41	1	0306141341-19.d	AS18 4(mm)
680-99170-1	SMSMW08A	03/06/2014 16:11	1	0306141611-20.d	AS18 4(mm)
680-99170-1 MS	SMSMW08A MS	03/06/2014 16:27	1	0306141627-21.d	AS18 4(mm)
680-99170-1 MSD	SMSMW08A MSD	03/06/2014 16:42	1	0306141642-22.d	AS18 4(mm)
680-99170-3	SMSMW02A	03/06/2014 17:13	2	0306141713-24.d	AS18 4(mm)
680-99170-4	SMSMW12A	03/06/2014 17:28	20	0306141728-25.d	AS18 4(mm)
680-99170-6	SMSSW03	03/06/2014 17:44	2	0306141744-26.d	AS18 4(mm)
680-99170-7	SMSMW04A	03/06/2014 17:59	20	0306141759-27.d	AS18 4(mm)
680-99170-8	SMSMW01A	03/06/2014 18:15	40	0306141815-28.d	AS18 4(mm)
ZZZZZ		03/06/2014 18:30	2		AS18 4(mm)
CCV 680-318480/30		03/06/2014 18:46	1	0306141846-30.d	AS18 4(mm)
CCB 680-318480/31		03/06/2014 19:01	1	0306141901-31.d	AS18 4(mm)

300.0

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: CICG Start Date: 03/06/2014 18:46

Analysis Batch Number: 318581 End Date: 03/06/2014 22:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-318581/30		03/06/2014 18:46	1	0306141846-30.d	AS18 4(mm)
MB 680-318581/31		03/06/2014 19:01	1	0306141901-31.d	AS18 4(mm)
LCS 680-318581/32		03/06/2014 19:16	1	0306141916-32.d	AS18 4(mm)
LCSD 680-318581/33		03/06/2014 19:32	1	0306141932-33.d	AS18 4(mm)
ZZZZZ		03/06/2014 19:47	1		AS18 4(mm)
ZZZZZ		03/06/2014 20:03	1		AS18 4(mm)
ZZZZZ		03/06/2014 20:18	1		AS18 4(mm)
ZZZZZ		03/06/2014 20:33	100		AS18 4(mm)
680-99170-4	SMSMW12A	03/06/2014 21:20	2	0306142120-40.d	AS18 4(mm)
680-99170-7	SMSMW04A	03/06/2014 21:35	2	0306142135-41.d	AS18 4(mm)
680-99170-8	SMSMW01A	03/06/2014 21:50	4	0306142150-42.d	AS18 4(mm)
CCV 680-318581/43		03/06/2014 22:06	1	0306142206-43.d	AS18 4(mm)
CCB 680-318581/44		03/06/2014 22:21	1	0306142221-44.d	AS18 4(mm)

300.0

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: CICG Start Date: 03/07/2014 10:02

Analysis Batch Number: 318770 End Date: 03/07/2014 18:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/07/2014 10:02	1		AS18 4(mm)
ZZZZZ		03/07/2014 10:16	1		AS18 4(mm)
CCV 680-318770/4		03/07/2014 10:31	1	0307141031-4.d	AS18 4(mm)
MB 680-318770/5		03/07/2014 10:46	1	0307141046-5.d	AS18 4(mm)
LCS 680-318770/6		03/07/2014 11:02	1	0307141102-6.d	AS18 4(mm)
LCSD 680-318770/7		03/07/2014 11:17	1	0307141117-7.d	AS18 4(mm)
680-99170-2 RE	SMSMW03B RE	03/07/2014 11:48	50	0307141148-9.d	AS18 4(mm)
ZZZZZ		03/07/2014 16:55	4		AS18 4(mm)
ZZZZZ		03/07/2014 17:10	4		AS18 4(mm)
ZZZZZ		03/07/2014 17:25	4		AS18 4(mm)
ZZZZZ		03/07/2014 17:41	4		AS18 4(mm)
ZZZZZ		03/07/2014 17:56	4		AS18 4(mm)
CCV 680-318770/15		03/07/2014 18:12	1	0307141812-15.d	AS18 4(mm)
CCB 680-318770/16		03/07/2014 18:27	1	0307141827-16.d	AS18 4(mm)
ZZZZZ		03/07/2014 18:42	1		AS18 4(mm)
ZZZZZ		03/07/2014 18:58	1		AS18 4(mm)

300.0

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99170-1

SDG No.: 68099170-1

Project: Smokey Mountain Smelter

Client Sample ID	Lab Sample ID
SMSMW08A	680-99170-1
SMSMW03B	680-99170-2
SMSMW02A	680-99170-3
SMSMW12A	680-99170-4
SMSSW03	680-99170-6
SMSMW04A	680-99170-7
SMSMW01A	680-99170-8

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW08A
Lab Sample ID: 680-99170-1
Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG ID.: 68099170-1
Matrix: Water
Date Sampled: 03/05/2014 09:40
Reporting Basis: WET
Date Received: 03/06/2014 09:53

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	46	1.0	0.52	mg/L			20	350.1
14265-44-2	ortho-Phosphate	1.9	0.10	0.032	mg/L			2	365.1
7440-44-0	Total Organic Carbon	15	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW08A
Lab Sample ID: 680-99170-1
Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG ID.: 68099170-1
Matrix: Water
Date Sampled: 03/05/2014 09:40
Reporting Basis: WET
Date Received: 03/06/2014 09:53

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	780	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	3100	50		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW03B
Lab Sample ID: 680-99170-2
Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG ID.: 68099170-1
Matrix: Water
Date Sampled: 03/05/2014 10:45
Reporting Basis: WET
Date Received: 03/06/2014 09:53

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	170	5.0	2.6	mg/L			100	350.1
14265-44-2	ortho-Phosphate	<0.016	0.050	0.016	mg/L			1	365.1
7440-44-0	Total Organic Carbon	18	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW03B
Lab Sample ID: 680-99170-2
Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG ID.: 68099170-1
Matrix: Water
Date Sampled: 03/05/2014 10:45
Reporting Basis: WET
Date Received: 03/06/2014 09:53

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	2.6	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	570	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	59000	500		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW02A
Lab Sample ID: 680-99170-3
Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG ID.: 68099170-1
Matrix: Water
Date Sampled: 03/05/2014 10:20
Reporting Basis: WET
Date Received: 03/06/2014 09:53

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	120	5.0	2.6	mg/L			100	350.1
14265-44-2	ortho-Phosphate	1.3	0.050	0.016	mg/L			1	365.1
7440-44-0	Total Organic Carbon	240	5.0	2.5	mg/L			5	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW02A
Lab Sample ID: 680-99170-3
Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG ID.: 68099170-1
Matrix: Water
Date Sampled: 03/05/2014 10:20
Reporting Basis: WET
Date Received: 03/06/2014 09:53

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	5.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	960	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	4700	100		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW12A
Lab Sample ID: 680-99170-4
Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG ID.: 68099170-1
Matrix: Water
Date Sampled: 03/05/2014 11:45
Reporting Basis: WET
Date Received: 03/06/2014 09:53

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	1.1	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.018	0.050	0.016	mg/L	J		1	365.1
18540-29-9	Chromium, hexavalent	0.0030	0.010	0.0030	mg/L	J	H	1	7196A
7440-44-0	Total Organic Carbon	2.0	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW12A
Lab Sample ID: 680-99170-4
Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG ID.: 68099170-1
Matrix: Water
Date Sampled: 03/05/2014 11:45
Reporting Basis: WET
Date Received: 03/06/2014 09:53

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	390	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	1200	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW03
Lab Sample ID: 680-99170-6
Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG ID.: 68099170-1
Matrix: Water
Date Sampled: 03/05/2014 13:45
Reporting Basis: WET
Date Received: 03/06/2014 09:53

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	0.94	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.018	0.050	0.016	mg/L	J		1	365.1
7440-44-0	Total Organic Carbon	3.2	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW03 | Lab Sample ID: 680-99170-6

Lab Name: TestAmerica Savannah | Job No.: 680-99170-1

SDG ID.: 68099170-1

Matrix: Water | Date Sampled: 03/05/2014 13:45

Reporting Basis: WET | Date Received: 03/06/2014 09:53

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	140	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	910	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW04A
Lab Sample ID: 680-99170-7
Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG ID.: 68099170-1
Matrix: Water
Date Sampled: 03/05/2014 13:44
Reporting Basis: WET
Date Received: 03/06/2014 09:53

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	100	5.0	2.6	mg/L			100	350.1
14265-44-2	ortho-Phosphate	0.022	0.050	0.016	mg/L	J		1	365.1
7440-44-0	Total Organic Carbon	3.6	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW04A
Lab Sample ID: 680-99170-7
Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG ID.: 68099170-1
Matrix: Water
Date Sampled: 03/05/2014 13:44
Reporting Basis: WET
Date Received: 03/06/2014 09:53

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	320	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	18000	500		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW01A
Lab Sample ID: 680-99170-8
Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG ID.: 68099170-1
Matrix: Water
Date Sampled: 03/05/2014 14:35
Reporting Basis: WET
Date Received: 03/06/2014 09:53

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	200	10	5.2	mg/L			200	350.1
14265-44-2	ortho-Phosphate	0.020	0.050	0.016	mg/L	J		1	365.1
7440-44-0	Total Organic Carbon	6.3	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW01A
Lab Sample ID: 680-99170-8
Lab Name: TestAmerica Savannah
Job No.: 680-99170-1
SDG ID.: 68099170-1
Matrix: Water
Date Sampled: 03/05/2014 14:35
Reporting Basis: WET
Date Received: 03/06/2014 09:53

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
18496-25-8	Sulfide	<1.0	1.0		mg/L			1	4500 S2 F-2011
	Alkalinity	640	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	16000	500		mg/L			1	2540C-2011

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Analyst: JME Batch Start Date: 02/28/2014

Reporting Units: mg/L Analytical Batch No.: 317820

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
10	ICV	13:45	Ammonia	1.03	1.00	103			NH3 ICV_00022

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Analyst: JME Batch Start Date: 03/14/2014

Reporting Units: mg/L Analytical Batch No.: 319784

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	18:06	Ammonia	1.08	1.00	107	90-110		NH3 LCS_00043
2	CCB	18:06	Ammonia	0.0274				J	
9	CCV	18:16	Ammonia	1.08	1.00	108	90-110		NH3 LCS_00043
10	CCB	18:16	Ammonia	0.0269				J	
23	CCV	10:59	Ammonia	1.01	1.00	101	90-110		NH3 LCS_00043
24	CCB	10:59	Ammonia	<0.026					
31	CCV	11:10	Ammonia	1.05	1.00	105	90-110		NH3 LCS_00043
32	CCB	11:10	Ammonia	<0.026					
33	CCV	13:02	Ammonia	1.05	1.00	105	90-110		NH3 LCS_00043
34	CCB	13:02	Ammonia	<0.026					
36	CCV	13:03	Ammonia	1.05	1.00	105	90-110		NH3 LCS_00043
37	CCB	13:03	Ammonia	<0.026					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Analyst: CRW Batch Start Date: 01/02/2014

Reporting Units: mg/L Analytical Batch No.: 310250

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
9	ICV	09:48	ortho-Phosphate	1.08	1.00	108			PO4 ICV_00015
10	ICB	09:48	ortho-Phosphate	<0.016					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Analyst: GRX Batch Start Date: 03/06/2014

Reporting Units: mg/L Analytical Batch No.: 318579

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
10	CCV	14:26	ortho-Phosphate	1.23	1.20	102	90-110		PO4 LCS_00111
11	CCB	14:26	ortho-Phosphate	0.0168				J	
22	CCV	14:30	ortho-Phosphate	1.23	1.20	103	90-110		PO4 LCS_00111
23	CCB	14:30	ortho-Phosphate	<0.016					
29	CCV	15:40	ortho-Phosphate	1.24	1.20	103	90-110		PO4 LCS_00111
30	CCB	15:40	ortho-Phosphate	<0.016					
34	CCV	15:42	ortho-Phosphate	1.24	1.20	103	90-110		PO4 LCS_00111
35	CCB	15:42	ortho-Phosphate	<0.016					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Analyst: GRX Batch Start Date: 03/06/2014

Reporting Units: mg/L Analytical Batch No.: 318580

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
10	CCV	14:33	ortho-Phosphate	1.23	1.20	102	90-110		PO4 LCS_00111
11	CCB	14:33	ortho-Phosphate	<0.016					
20	CCV	14:34	ortho-Phosphate	1.24	1.20	103	90-110		PO4 LCS_00111
21	CCB	14:34	ortho-Phosphate	<0.016					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Analyst: CRW Batch Start Date: 01/25/2014

Reporting Units: mg/L Analytical Batch No.: 312999

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	13:18	Chromium, hexavalent	0.320	0.300	107			CR6 ICV_00025
9	ICB	13:18	Chromium, hexavalent	<0.0030					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Analyst: GRX Batch Start Date: 03/06/2014

Reporting Units: mg/L Analytical Batch No.: 318578

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
6	CCV	13:40	Chromium, hexavalent	0.202	0.200	101	90-110		CR6 LCS_00117
7	CCB	13:40	Chromium, hexavalent	<0.0030					
8	CCV	13:55	Chromium, hexavalent	0.202	0.200	101	90-110		CR6 LCS_00117
9	CCB	13:55	Chromium, hexavalent	<0.0030					
11	CCV	13:56	Chromium, hexavalent	0.201	0.200	100	90-110		CR6 LCS_00117
12	CCB	13:56	Chromium, hexavalent	<0.0030					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Analyst: LBH Batch Start Date: 03/15/2014

Reporting Units: mg/L Analytical Batch No.: 319820

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
26	CCV	13:56	Alkalinity	<5.0					
31	CCV	14:39	Alkalinity	<5.0					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Analyst: CMP Batch Start Date: 03/05/2014

Reporting Units: mg/L Analytical Batch No.: 318406

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	08:48	Total Organic Carbon	19.3	20.0	96			TOC LCS/ICV_00025

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Analyst: JER Batch Start Date: 03/15/2014

Reporting Units: mg/L Analytical Batch No.: 319881

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	15:51	Total Organic Carbon	19.8	20.0	99			TOC LCS/ICV_00026

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Analyst: JER Batch Start Date: 03/14/2014

Reporting Units: mg/L Analytical Batch No.: 319885

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
25	CCV	18:40	Total Organic Carbon	52.9	50.0	106	90-110		TOCCALSTD4_00066
37	CCV	21:45	Total Organic Carbon	51.2	50.0	102	90-110		TOCCALSTD4_00066
38	CCB	22:01	Total Organic Carbon	<0.50					
49	CCV	01:03	Total Organic Carbon	50.5	50.0	101	90-110		TOCCALSTD4_00066
50	CCB	01:21	Total Organic Carbon	<0.50					
61	CCV	04:13	Total Organic Carbon	50.9	50.0	102	90-110		TOCCALSTD4_00066
62	CCB	04:34	Total Organic Carbon	<0.50					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Analyst: JER Batch Start Date: 03/15/2014

Reporting Units: mg/L Analytical Batch No.: 319886

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
61	CCV	04:13	Total Organic Carbon	50.9	50.0	102	90-110		TOCCALSTD4_00066
73	CCV	07:17	Total Organic Carbon	50.4	50.0	101	90-110		TOCCALSTD4_00066
74	CCB	07:38	Total Organic Carbon	<0.50					
85	CCV	10:35	Total Organic Carbon	50.1	50.0	100	90-110		TOCCALSTD4_00066
86	CCB	10:54	Total Organic Carbon	<0.50					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Analyst: CMP Batch Start Date: 03/17/2014

Reporting Units: mg/L Analytical Batch No.: 320062

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	13:19	Total Organic Carbon	48.6	50.0	97	90-110		TOCCALSTD4_00066
13	CCV	16:26	Total Organic Carbon	47.9	50.0	96	90-110		TOCCALSTD4_00066
14	CCB	16:46	Total Organic Carbon	<0.50					
25	CCV	19:41	Total Organic Carbon	50.4	50.0	101	90-110		TOCCALSTD4_00066
26	CCB	19:58	Total Organic Carbon	<0.50					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 319820	Date: 03/15/2014 11:31						
2320B-2011	MB 680-319820/5	Alkalinity	<5.0		mg/L	5.0	1
Batch ID: 319350	Date: 03/12/2014 14:36						
2540C-2011	MB 680-319350/1	Total Dissolved Solids	<5.0		mg/L	5.0	1
Batch ID: 319784	Date: 03/15/2014 10:52						
350.1	MB 680-319784/12	Ammonia	<0.026		mg/L	0.050	1
Batch ID: 318579	Date: 03/06/2014 14:23						
365.1	MB 680-318579/2	ortho-Phosphate	<0.016		mg/L	0.050	1
Batch ID: 318580	Date: 03/06/2014 14:30						
365.1	MB 680-318580/2	ortho-Phosphate	<0.016		mg/L	0.050	1
Batch ID: 318547	Date: 03/06/2014 15:18						
4500 S2 F-2011	MB 680-318547/1	Sulfide	<1.0		mg/L	1.0	1
Batch ID: 319309	Date: 03/12/2014 12:44						
4500 S2 F-2011	MB 680-319309/1	Sulfide	<1.0		mg/L	1.0	1
Batch ID: 319885	Date: 03/14/2014 18:54						
5310 B-2011	MB 680-319885/26	Total Organic Carbon	<0.50		mg/L	1.0	1
Batch ID: 319886	Date: 03/15/2014 04:34						
5310 B-2011	MB 680-319886/62	Total Organic Carbon	<0.50		mg/L	1.0	1
Batch ID: 320062	Date: 03/17/2014 13:34						
5310 B-2011	MB 680-320062/2	Total Organic Carbon	<0.50		mg/L	1.0	1
Batch ID: 318578	Date: 03/06/2014 13:39						
7196A	MB 680-318578/2	Chromium, hexavalent	<0.0030		mg/L	0.010	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 318580	Date: 03/06/2014 14:30										
365.1	680-99170-8	ortho-Phosphate	0.020	J	mg/L						
365.1	680-99170-8 MS	ortho-Phosphate	1.04		mg/L	1.00	102	90-110			
Batch ID: 318579	Date: 03/06/2014 15:40										
365.1	680-99170-1	ortho-Phosphate	1.9		mg/L						
365.1	680-99170-1 MS	ortho-Phosphate	2.89		mg/L	1.00	102	90-110			
Batch ID: 319886	Date: 03/15/2014 05:32										
5310 B-2011	680-99170-6	Total Organic Carbon	3.2		mg/L						
5310 B-2011	680-99170-6 MS	Total Organic Carbon	23.0		mg/L	20.0	99	80-120			
Batch ID: 318578	Date: 03/06/2014 13:39										
7196A	680-99170-4	Chromium, hexavalent	0.0030	J	mg/L						H
7196A	680-99170-4 MS	Chromium, hexavalent	0.208		mg/L	0.200	104	85-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 318580		Date: 03/06/2014 14:30									
365.1	680-99170-8 MSD	ortho-Phosphate	1.04		mg/L	1.00	102	90-110	1	30	
Batch ID: 318579		Date: 03/06/2014 15:40									
365.1	680-99170-1 MSD	ortho-Phosphate	2.84		mg/L	1.00	98	90-110	1	30	
Batch ID: 319886		Date: 03/15/2014 05:47									
5310 B-2011	680-99170-6 MSD	Total Organic Carbon	23.5		mg/L	20.0	101	80-120	2	25	
Batch ID: 318578		Date: 03/06/2014 13:55									
7196A	680-99170-4 MSD	Chromium, hexavalent	0.209		mg/L	0.200	105	85-115	1	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 319820	Date: 03/15/2014 13:52							
2320B-2011	SMSMW01A	680-99170-8	Alkalinity	640	mg/L			
2320B-2011	SMSMW01A	680-99170-8 DU	Alkalinity	592	mg/L	8	30	
Batch ID: 319309	Date: 03/12/2014 12:44							
4500 S2 F-2011	SMSMW02A	680-99170-3	Sulfide	5.0	mg/L			
4500 S2 F-2011	SMSMW02A	680-99170-3 DU	Sulfide	4.80	mg/L	3	30	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 319820	Date: 03/15/2014 11:38										
						LCS Source: AlkalinityLCS_00026					
2320B-2011	LCS 680-319820/6	Alkalinity	214		mg/L	250	85	80-120	10	30	
Batch ID: 319350	Date: 03/12/2014 14:36										
						LCS Source: TS/TDS LCS_00227					
2540C-2011	LCS 680-319350/2	Total Dissolved Solids	95.0		mg/L	109	87	80-120	19	25	
Batch ID: 319784	Date: 03/15/2014 10:52										
						LCS Source: NH3 LCS_00043					
350.1	LCS 680-319784/11	Ammonia	1.01		mg/L	1.00	101	90-110			
Batch ID: 318579	Date: 03/06/2014 14:23										
						LCS Source: PO4 LCS_00111					
365.1	LCS 680-318579/1	ortho-Phosphate	1.23		mg/L	1.20	102	90-110			
Batch ID: 318580	Date: 03/06/2014 14:30										
						LCS Source: PO4 LCS_00111					
365.1	LCS 680-318580/1	ortho-Phosphate	1.23		mg/L	1.20	103	90-110			
Batch ID: 318547	Date: 03/06/2014 15:18										
						LCS Source: SulfideLCS_00335					
4500 S2 F-2011	LCS 680-318547/2	Sulfide	9.83		mg/L	10.0	98	75-125	0	30	
Batch ID: 319309	Date: 03/12/2014 12:44										
						LCS Source: SulfideLCS_00335					
4500 S2 F-2011	LCS 680-319309/2	Sulfide	9.15		mg/L	10.0	91	75-125			
Batch ID: 319885	Date: 03/14/2014 20:28										
						LCS Source: TOC LCS/ICV_00026					
5310 B-2011	LCS 680-319885/32	Total Organic Carbon	19.3		mg/L	20.0	96	80-120	0	25	
Batch ID: 319886	Date: 03/15/2014 04:48										
						LCS Source: TOC LCS/ICV_00026					
5310 B-2011	LCS 680-319886/63	Total Organic Carbon	19.2		mg/L	20.0	96	80-120	1	25	
Batch ID: 320062	Date: 03/17/2014 14:23										
						LCS Source: TOC LCS/ICV_00026					
5310 B-2011	LCS 680-320062/5	Total Organic Carbon	19.1		mg/L	20.0	96	80-120	2	25	
Batch ID: 318578	Date: 03/06/2014 13:39										
						LCS Source: CR6 LCS_00117					
7196A	LCS 680-318578/1	Chromium, hexavalent	0.202		mg/L	0.200	101	85-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 319820	Date: 03/15/2014 14:46										
						LCSD Source: AlkalinityLCS_00026					
2320B-2011	LCSD 680-319820/32	Alkalinity	236		mg/L	250	94	80-120	10	30	
Batch ID: 319350	Date: 03/12/2014 14:36										
						LCSD Source: TS/TDS LCS_00227					
2540C-2011	LCSD 680-319350/3	Total Dissolved Solids	115		mg/L	109	106	80-120	19	25	
Batch ID: 318547	Date: 03/06/2014 15:18										
						LCSD Source: SulfideLCS_00335					
4500 S2 F-2011	LCSD 680-318547/3	Sulfide	9.83		mg/L	10.0	98	75-125	0	30	
Batch ID: 319885	Date: 03/14/2014 20:41										
						LCSD Source: TOC LCS/ICV_00026					
5310 B-2011	LCSD 680-319885/33	Total Organic Carbon	19.3		mg/L	20.0	97	80-120	0	25	
Batch ID: 319886	Date: 03/15/2014 05:01										
						LCSD Source: TOC LCS/ICV_00026					
5310 B-2011	LCSD 680-319886/64	Total Organic Carbon	19.3		mg/L	20.0	97	80-120	1	25	
Batch ID: 320062	Date: 03/17/2014 14:36										
						LCSD Source: TOC LCS/ICV_00026					
5310 B-2011	LCSD 680-320062/6	Total Organic Carbon	18.9		mg/L	20.0	94	80-120	2	25	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99170-1

SDG Number: 68099170-1

Matrix: Water Instrument ID: KONELAB1

Method: 350.1 MDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Ammonia		0.05	0.026

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99170-1

SDG Number: 68099170-1

Matrix: Water Instrument ID: KONELAB1

Method: 350.1 XMDL Date: 10/13/2008 17:22

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Ammonia		0.05	0.026

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99170-1

SDG Number: 68099170-1

Matrix: Water Instrument ID: KONELAB2

Method: 365.1 MDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
ortho-Phosphate		0.05	0.016

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99170-1

SDG Number: 68099170-1

Matrix: Water Instrument ID: KONELAB2

Method: 365.1 XMDL Date: 01/01/2011 16:44

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
ortho-Phosphate		0.05	0.016

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99170-1

SDG Number: 68099170-1

Matrix: Water Instrument ID: KONELAB2

Method: 7196A MDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Chromium, hexavalent		0.01	0.003

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99170-1

SDG Number: 68099170-1

Matrix: Water Instrument ID: KONELAB2

Method: 7196A XMDL Date: 01/01/2011 08:35

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chromium, hexavalent		0.01	0.003

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99170-1

SDG Number: 68099170-1

Matrix: Water Instrument ID: NOEQUIP

Method: 4500 S2 F-2011 RL Date: 02/06/2009 09:19

Analyte	Wavelength/ Mass	RL (mg/L)	
Sulfide		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99170-1

SDG Number: 68099170-1

Matrix: Water Instrument ID: NOEQUIP

Method: 4500 S2 F-2011 XMDL Date: 06/01/2012 11:35

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Sulfide		1	1

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99170-1

SDG Number: 68099170-1

Matrix: Water Instrument ID: MANTECH

Method: 2320B-2011 RL Date: 01/12/2009 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	
Alkalinity		5	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99170-1

SDG Number: 68099170-1

Matrix: Water Instrument ID: MANTECH

Method: 2320B-2011 XRL Date: 04/01/2010 09:47

Analyte	Wavelength/ Mass	XRL (mg/L)	
Alkalinity		5	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99170-1

SDG Number: 68099170-1

Matrix: Water Instrument ID: NOEQUIP

Method: 2540C-2011 RL Date: 01/01/2004 16:11

Analyte	Wavelength/ Mass	RL (mg/L)	
Total Dissolved Solids		5	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99170-1

SDG Number: 68099170-1

Matrix: Water Instrument ID: NOEQUIP

Method: 2540C-2011 XRL Date: 04/01/2010 10:20

Analyte	Wavelength/ Mass	XRL (mg/L)	
Total Dissolved Solids		5	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99170-1

SDG Number: 68099170-1

Matrix: Water Instrument ID: TOC3

Method: 5310 B-2011 MDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Total Organic Carbon		1	0.5

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99170-1

SDG Number: 68099170-1

Matrix: Water Instrument ID: TOC3

Method: 5310 B-2011 XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Organic Carbon		1	0.5

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: KONELAB1 Method: 350.1

Start Date: 02/28/2014 13:45 End Date: 02/28/2014 14:13

Lab Sample ID	D / F	Type	Time	Analytes																			
IC 680-317820/1			13:45																				
IC 680-317820/2			13:45																				
IC 680-317820/3			13:45																				
IC 680-317820/4			13:45																				
IC 680-317820/5			13:45																				
IC 680-317820/6			13:45																				
IC 680-317820/7			13:45																				
IC 680-317820/8			13:45																				
ICB 680-317820/9			13:45																				
ICV 680-317820/10	1		13:45																				
ZZZZZZ			13:46																				
CCV 680-317820/12			14:10																				
ZZZZZZ			14:10																				
ZZZZZZ			14:10																				
ZZZZZZ			14:10																				
ZZZZZZ			14:10																				
ZZZZZZ			14:10																				
ZZZZZZ			14:13																				
CCB 680-317820/19			14:13																				

Prep Types

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: KONELAB1 Method: 350.1

Start Date: 03/14/2014 18:06 End Date: 03/15/2014 13:03

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
CCV 680-319784/1	1		18:06	X																			
CCB 680-319784/2	1		18:06	X																			
ZZZZZZ			18:06																				
ZZZZZZ			18:06																				
ZZZZZZ			18:06																				
ZZZZZZ			18:06																				
ZZZZZZ			18:06																				
ZZZZZZ			18:16																				
CCV 680-319784/9	1		18:16	X																			
CCB 680-319784/10	1		18:16	X																			
LCS 680-319784/11	1	T	10:52	X																			
MB 680-319784/12	1	T	10:52	X																			
ZZZZZZ			10:52																				
ZZZZZZ			10:52																				
ZZZZZZ			10:52																				
ZZZZZZ			10:52																				
ZZZZZZ			10:52																				
ZZZZZZ			10:52																				
680-99170-4	1	T	10:52	X																			
680-99170-6	1	T	10:52	X																			
ZZZZZZ			10:52																				
ZZZZZZ			10:52																				
CCV 680-319784/23	1		10:59	X																			
CCB 680-319784/24	1		10:59	X																			
ZZZZZZ			10:59																				
ZZZZZZ			11:09																				
680-99170-1	20	T	11:09	X																			
680-99170-2	100	T	11:09	X																			
680-99170-3	100	T	11:09	X																			
680-99170-7	100	T	11:09	X																			
CCV 680-319784/31	1		11:10	X																			
CCB 680-319784/32	1		11:10	X																			
CCV 680-319784/33	1		13:02	X																			
CCB 680-319784/34	1		13:02	X																			
680-99170-8	200	T	13:02	X																			
CCV 680-319784/36	1		13:03	X																			
CCB 680-319784/37	1		13:03	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: KONELAB2 Method: 365.1

Start Date: 01/02/2014 09:48 End Date: 01/02/2014 11:17

Lab Sample ID	D / F	Type	Time	Analytes																			
IC 680-310250/1			09:48																				
IC 680-310250/2			09:48																				
IC 680-310250/3			09:48																				
IC 680-310250/4			09:48																				
IC 680-310250/5			09:48																				
IC 680-310250/6			09:48																				
IC 680-310250/7			09:48																				
IC 680-310250/8			09:48																				
ICV 680-310250/9	1		09:48																				
ICB 680-310250/10	1		09:48																				
CCV 680-310250/11			11:16																				
CCB 680-310250/12			11:16																				
ZZZZZZ			11:16																				
ZZZZZZ			11:16																				
ZZZZZZ			11:16																				
ZZZZZZ			11:17																				
ZZZZZZ			11:17																				

Prep Types

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: KONELAB2 Method: 365.1

Start Date: 03/06/2014 14:23 End Date: 03/06/2014 15:42

Lab Sample ID	D/F	Type	Time	Analytes																			
				PO4																			
LCS 680-318579/1	1	T	14:23	X																			
MB 680-318579/2	1	T	14:23	X																			
680-99170-2	1	T	14:23	X																			
680-99170-3	1	T	14:23	X																			
680-99170-4	1	T	14:23	X																			
680-99170-6	1	T	14:23	X																			
680-99170-7	1	T	14:23	X																			
ZZZZZZ			14:23																				
ZZZZZZ			14:23																				
CCV 680-318579/10	1		14:26	X																			
CCB 680-318579/11	1		14:26	X																			
ZZZZZZ			14:26																				
ZZZZZZ			14:26																				
ZZZZZZ			14:26																				
ZZZZZZ			14:26																				
ZZZZZZ			14:26																				
ZZZZZZ			14:26																				
ZZZZZZ			14:26																				
ZZZZZZ			14:26																				
ZZZZZZ			14:26																				
ZZZZZZ			14:26																				
CCV 680-318579/22	1		14:30	X																			
CCB 680-318579/23	1		14:30	X																			
ZZZZZZ			14:30																				
ZZZZZZ			14:30																				
ZZZZZZ			14:30																				
CCV 680-318579/27			14:33																				
CCB 680-318579/28			14:33																				
CCV 680-318579/29	1		15:40	X																			
CCB 680-318579/30	1		15:40	X																			
680-99170-1	2	T	15:40	X																			
680-99170-1 MS	2	T	15:40	X																			
680-99170-1 MSD	2	T	15:40	X																			
CCV 680-318579/34	1		15:42	X																			
CCB 680-318579/35	1		15:42	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: KONELAB2 Method: 365.1

Start Date: 03/06/2014 14:30 End Date: 03/06/2014 15:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				PO4																			
LCS 680-318580/1	1	T	14:30	X																			
MB 680-318580/2	1	T	14:30	X																			
680-99170-8	1	T	14:30	X																			
680-99170-8 MS	1	T	14:30	X																			
680-99170-8 MSD	1	T	14:30	X																			
ZZZZZZ			14:30																				
ZZZZZZ			14:30																				
ZZZZZZ			14:30																				
ZZZZZZ			14:30																				
CCV 680-318580/10	1		14:33	X																			
CCB 680-318580/11	1		14:33	X																			
ZZZZZZ			14:34																				
ZZZZZZ			14:34																				
ZZZZZZ			14:34																				
ZZZZZZ			14:34																				
ZZZZZZ			14:34																				
ZZZZZZ			14:34																				
ZZZZZZ			14:34																				
ZZZZZZ			14:34																				
CCV 680-318580/20	1		14:34	X																			
CCB 680-318580/21	1		14:34	X																			
CCV 680-318580/22			15:57																				
CCB 680-318580/23			15:57																				
ZZZZZZ			15:57																				
CCV 680-318580/25			15:59																				
CCB 680-318580/26			15:59																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: KONELAB2 Method: 7196A

Start Date: 01/25/2014 13:18 End Date: 01/25/2014 13:38

Lab Sample ID	D/F	Type	Time	Analytes																			
IC 680-312999/1			13:18																				
IC 680-312999/2			13:18																				
IC 680-312999/3			13:18																				
IC 680-312999/4			13:18																				
IC 680-312999/5			13:18																				
IC 680-312999/6			13:18																				
IC 680-312999/7			13:18																				
ICV 680-312999/8	1		13:18																				
ICB 680-312999/9	1		13:18																				
CCV 680-312999/10			13:35																				
CCB 680-312999/11			13:35																				
ZZZZZZ			13:35																				
ZZZZZZ			13:35																				
ZZZZZZ			13:35																				
ZZZZZZ			13:35																				
ZZZZZZ			13:35																				
ZZZZZZ			13:36																				
ZZZZZZ			13:36																				
CCV 680-312999/19			13:38																				
CCB 680-312999/20			13:38																				

Prep Types

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: KONELAB2 Method: 7196A

Start Date: 03/06/2014 13:39 End Date: 03/06/2014 13:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
LCS 680-318578/1	1	T	13:39	X																			
MB 680-318578/2	1	T	13:39	X																			
680-99170-4	1	T	13:39	X																			
680-99170-4 MS	1	T	13:39	X																			
ZZZZZZ			13:39																				
CCV 680-318578/6	1		13:40	X																			
CCB 680-318578/7	1		13:40	X																			
CCV 680-318578/8	1		13:55	X																			
CCB 680-318578/9	1		13:55	X																			
680-99170-4 MSD	1	T	13:55	X																			
CCV 680-318578/11	1		13:56	X																			
CCB 680-318578/12	1		13:56	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: NOEQUIP Method: 4500 S2 F-2011

Start Date: 03/06/2014 15:18 End Date: 03/06/2014 15:18

Lab Sample ID	D/F	Type	Time	Analytes																			
				S2																			
MB 680-318547/1	1	T	15:18	X																			
LCS 680-318547/2	1	T	15:18	X																			
LCSD 680-318547/3	1	T	15:18	X																			
ZZZZZZ			15:18																				
ZZZZZZ			15:18																				
ZZZZZZ			15:18																				
ZZZZZZ			15:18																				
ZZZZZZ			15:18																				
ZZZZZZ			15:18																				
ZZZZZZ			15:18																				
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ZZZZZZ			15:18																				
ZZZZZZ			15:18																				
ZZZZZZ			15:18																				
ZZZZZZ			15:18																				
ZZZZZZ			15:18																				
680-99170-1	1	T	15:18	X																			
680-99170-2	1	T	15:18	X																			
ZZZZZZ			15:18																				
ZZZZZZ			15:18																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: NOEQUIP Method: 4500 S2 F-2011

Start Date: 03/12/2014 12:44 End Date: 03/12/2014 12:44

Lab Sample ID	D/F	Type	Time	Analytes																			
				S2																			
MB 680-319309/1	1	T	12:44	X																			
LCS 680-319309/2	1	T	12:44	X																			
ZZZZZZ			12:44																				
ZZZZZZ			12:44																				
ZZZZZZ			12:44																				
ZZZZZZ			12:44																				
ZZZZZZ			12:44																				
ZZZZZZ			12:44																				
ZZZZZZ			12:44																				
ZZZZZZ			12:44																				
ZZZZZZ			12:44																				
ZZZZZZ			12:44																				
ZZZZZZ			12:44																				
ZZZZZZ			12:44																				
ZZZZZZ			12:44																				
ZZZZZZ			12:44																				
ZZZZZZ			12:44																				
680-99170-3	1	T	12:44	X																			
680-99170-3 DU	1	T	12:44	X																			
680-99170-4	1	T	12:44	X																			
680-99170-6	1	T	12:44	X																			
680-99170-7	1	T	12:44	X																			
680-99170-8	1	T	12:44	X																			
ZZZZZZ			12:44																				
ZZZZZZ			12:44																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: MANTECH Method: 2320B-2011

Start Date: 03/15/2014 11:02 End Date: 03/15/2014 14:46

Lab Sample ID	D/F	Type	Time	Analytes																			
				Alk																			
ZZZZZZ			11:02																				
ZZZZZZ			11:07																				
ZZZZZZ			11:19																				
ZZZZZZ			11:25																				
MB 680-319820/5	1	T	11:31	X																			
LCS 680-319820/6	1	T	11:38	X																			
ZZZZZZ			11:48																				
ZZZZZZ			11:55																				
ZZZZZZ			12:01																				
ZZZZZZ			12:07																				
ZZZZZZ			12:14																				
ZZZZZZ			12:23																				
ZZZZZZ			12:28																				
ZZZZZZ			12:34																				
ZZZZZZ			12:38																				
ZZZZZZ			12:43																				
ZZZZZZ			12:50																				
ZZZZZZ			12:56																				
ZZZZZZ			13:01																				
ZZZZZZ			13:08																				
ZZZZZZ			13:15																				
680-99170-2	1	T	13:25	X																			
680-99170-4	1	T	13:33	X																			
680-99170-8	1	T	13:43	X																			
680-99170-8 DU	1	T	13:52	X																			
CCV 680-319820/26	1		13:56	X																			
680-99170-1	1	T	14:07	X																			
680-99170-7	1	T	14:16	X																			
680-99170-3	1	T	14:28	X																			
680-99170-6	1	T	14:35	X																			
CCV 680-319820/31	1		14:39	X																			
LCSD 680-319820/32	1	T	14:46	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: NOEQUIP Method: 2540C-2011

Start Date: 03/12/2014 14:36 End Date: 03/12/2014 14:36

Lab Sample ID	D/F	Type	Time	Analytes																			
				TDS																			
MB 680-319350/1	1	T	14:36	X																			
LCS 680-319350/2	1	T	14:36	X																			
LCSD 680-319350/3	1	T	14:36	X																			
ZZZZZZ			14:36																				
ZZZZZZ			14:36																				
ZZZZZZ			14:36																				
ZZZZZZ			14:36																				
ZZZZZZ			14:36																				
ZZZZZZ			14:36																				
ZZZZZZ			14:36																				
ZZZZZZ			14:36																				
680-99170-8	1	T	14:36	X																			
680-99170-1	1	T	14:36	X																			
680-99170-4	1	T	14:36	X																			
680-99170-2	1	T	14:36	X																			
680-99170-6	1	T	14:36	X																			
680-99170-3	1	T	14:36	X																			
680-99170-7	1	T	14:36	X																			
ZZZZZZ			14:36																				
ZZZZZZ			14:36																				
ZZZZZZ			14:36																				
ZZZZZZ			14:36																				
ZZZZZZ			14:36																				
ZZZZZZ			14:36																				
ZZZZZZ			14:36																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 03/05/2014 08:48 End Date: 03/05/2014 11:57

Lab Sample ID	D / F	Type	Time	Analytes																			
ICV 680-318406/1	1		08:48																				
ICB 680-318406/2			09:04																				
ZZZZZZ			09:25																				
ZZZZZZ			09:48																				
ZZZZZZ			10:03																				
ZZZZZZ			10:14																				
ZZZZZZ			10:31																				
CCV 680-318406/8			11:40																				
ZZZZZZ			11:57																				

Prep Types

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 03/14/2014 11:11 End Date: 03/15/2014 14:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC																			
ZZZZZZ			11:11																				
ZZZZZZ			11:27																				
ZZZZZZ			11:42																				
ZZZZZZ			11:55																				
ZZZZZZ			12:09																				
ZZZZZZ			12:23																				
ZZZZZZ			12:36																				
ZZZZZZ			12:53																				
ZZZZZZ			13:09																				
ZZZZZZ			13:26																				
ZZZZZZ			13:40																				
ZZZZZZ			13:59																				
ZZZZZZ			14:13																				
ZZZZZZ			14:31																				
ZZZZZZ			14:49																				
ZZZZZZ			15:04																				
ZZZZZZ			15:18																				
ZZZZZZ			15:35																				
ZZZZZZ			17:04																				
ZZZZZZ			17:19																				
ZZZZZZ			17:35																				
ZZZZZZ			17:49																				
ZZZZZZ			18:04																				
ZZZZZZ			18:23																				
CCV 680-319885/25	1		18:40	X																			
MB 680-319885/26	1	T	18:54	X																			
ZZZZZZ			19:11																				
ZZZZZZ			19:26																				
ZZZZZZ			19:40																				
ZZZZZZ			19:57																				
ZZZZZZ			20:14																				
LCS 680-319885/32	1	T	20:28	X																			
LCSD 680-319885/33	1	T	20:41	X																			
ZZZZZZ			20:58																				
ZZZZZZ			21:15																				
ZZZZZZ			21:30																				
CCV 680-319885/37	1		21:45	X																			
CCB 680-319885/38	1		22:01	X																			
ZZZZZZ			22:22																				
ZZZZZZ			22:34																				
ZZZZZZ			22:51																				
ZZZZZZ			23:06																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 03/14/2014 11:11 End Date: 03/15/2014 14:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC																			
ZZZZZZ			23:20																				
ZZZZZZ			23:39																				
ZZZZZZ			23:57																				
ZZZZZZ			00:11																				
ZZZZZZ			00:30																				
ZZZZZZ			00:46																				
CCV 680-319885/49	1		01:03	X																			
CCB 680-319885/50	1		01:21	X																			
ZZZZZZ			01:38																				
ZZZZZZ			01:54																				
ZZZZZZ			02:10																				
ZZZZZZ			02:27																				
ZZZZZZ			02:41																				
ZZZZZZ			02:57																				
680-99170-1	1	T	03:12	X																			
680-99170-2	1	T	03:26	X																			
ZZZZZZ			03:43																				
680-99170-4	1	T	03:59	X																			
CCV 680-319885/61	1		04:13	X																			
CCB 680-319885/62	1		04:34	X																			
ZZZZZZ			04:48																				
ZZZZZZ			05:01																				
ZZZZZZ			05:17																				
ZZZZZZ			05:32																				
ZZZZZZ			05:47																				
ZZZZZZ			06:03																				
ZZZZZZ			06:17																				
ZZZZZZ			06:34																				
ZZZZZZ			06:48																				
ZZZZZZ			07:03																				
ZZZZZZ			07:17																				
ZZZZZZ			07:38																				
ZZZZZZ			07:52																				
ZZZZZZ			08:04																				
ZZZZZZ			08:21																				
ZZZZZZ			08:37																				
ZZZZZZ			08:54																				
ZZZZZZ			09:10																				
ZZZZZZ			09:27																				
ZZZZZZ			09:43																				
ZZZZZZ			10:00																				
ZZZZZZ			10:19																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 03/14/2014 11:11 End Date: 03/15/2014 14:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC																			
ZZZZZZ			10:35																				
ZZZZZZ			10:54																				
ZZZZZZ			11:10																				
ZZZZZZ			11:25																				
ZZZZZZ			11:36																				
ZZZZZZ			11:52																				
ZZZZZZ			12:08																				
ZZZZZZ			12:25																				
ZZZZZZ			12:39																				
ZZZZZZ			12:55																				
ZZZZZZ			13:12																				
ZZZZZZ			13:26																				
ZZZZZZ			13:37																				
ZZZZZZ			13:52																				
ZZZZZZ			14:10																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 03/14/2014 11:11 End Date: 03/15/2014 14:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC																			
ZZZZZZ			11:11																				
ZZZZZZ			11:27																				
ZZZZZZ			11:42																				
ZZZZZZ			11:55																				
ZZZZZZ			12:09																				
ZZZZZZ			12:23																				
ZZZZZZ			12:36																				
ZZZZZZ			12:53																				
ZZZZZZ			13:09																				
ZZZZZZ			13:26																				
ZZZZZZ			13:40																				
ZZZZZZ			13:59																				
ZZZZZZ			14:13																				
ZZZZZZ			14:31																				
ZZZZZZ			14:49																				
ZZZZZZ			15:04																				
ZZZZZZ			15:18																				
ZZZZZZ			15:35																				
ZZZZZZ			17:04																				
ZZZZZZ			17:19																				
ZZZZZZ			17:35																				
ZZZZZZ			17:49																				
ZZZZZZ			18:04																				
ZZZZZZ			18:23																				
ZZZZZZ			18:40																				
ZZZZZZ			18:54																				
ZZZZZZ			19:11																				
ZZZZZZ			19:26																				
ZZZZZZ			19:40																				
ZZZZZZ			19:57																				
ZZZZZZ			20:14																				
ZZZZZZ			20:28																				
ZZZZZZ			20:41																				
ZZZZZZ			20:58																				
ZZZZZZ			21:15																				
ZZZZZZ			21:30																				
ZZZZZZ			21:45																				
ZZZZZZ			22:01																				
ZZZZZZ			22:22																				
ZZZZZZ			22:34																				
ZZZZZZ			22:51																				
ZZZZZZ			23:06																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 03/14/2014 11:11 End Date: 03/15/2014 14:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC																			
ZZZZZZ			23:20																				
ZZZZZZ			23:39																				
ZZZZZZ			23:57																				
ZZZZZZ			00:11																				
ZZZZZZ			00:30																				
ZZZZZZ			00:46																				
ZZZZZZ			01:03																				
ZZZZZZ			01:21																				
ZZZZZZ			01:38																				
ZZZZZZ			01:54																				
ZZZZZZ			02:10																				
ZZZZZZ			02:27																				
ZZZZZZ			02:41																				
ZZZZZZ			02:57																				
ZZZZZZ			03:12																				
ZZZZZZ			03:26																				
ZZZZZZ			03:43																				
ZZZZZZ			03:59																				
CCV 680-319886/61	1		04:13	X																			
MB 680-319886/62	1	T	04:34	X																			
LCS 680-319886/63	1	T	04:48	X																			
LCSD 680-319886/64	1	T	05:01	X																			
680-99170-6	1	T	05:17	X																			
680-99170-6 MS	1	T	05:32	X																			
680-99170-6 MSD	1	T	05:47	X																			
680-99170-7	1	T	06:03	X																			
680-99170-8	1	T	06:17	X																			
ZZZZZZ			06:34																				
ZZZZZZ			06:48																				
ZZZZZZ			07:03																				
CCV 680-319886/73	1		07:17	X																			
CCB 680-319886/74	1		07:38	X																			
ZZZZZZ			07:52																				
ZZZZZZ			08:04																				
ZZZZZZ			08:21																				
ZZZZZZ			08:37																				
ZZZZZZ			08:54																				
ZZZZZZ			09:10																				
ZZZZZZ			09:27																				
ZZZZZZ			09:43																				
ZZZZZZ			10:00																				
ZZZZZZ			10:19																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 03/14/2014 11:11 End Date: 03/15/2014 14:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC																			
CCV 680-319886/85	1		10:35	X																			
CCB 680-319886/86	1		10:54	X																			
ZZZZZZ			11:10																				
ZZZZZZ			11:25																				
ZZZZZZ			11:36																				
ZZZZZZ			11:52																				
ZZZZZZ			12:08																				
ZZZZZZ			12:25																				
ZZZZZZ			12:39																				
ZZZZZZ			12:55																				
ZZZZZZ			13:12																				
ZZZZZZ			13:26																				
ZZZZZZ			13:37																				
CCV 680-319886/98			13:52																				
CCB 680-319886/99			14:10																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 03/15/2014 15:51 End Date: 03/16/2014 15:26

Lab Sample ID	D/F	Type	Time	Analytes																			
ICV 680-319881/1	1		15:51																				
ICB 680-319881/2			16:07																				
ZZZZZZ			16:21																				
ZZZZZZ			16:39																				
ZZZZZZ			16:54																				
ZZZZZZ			17:06																				
ZZZZZZ			17:25																				
ZZZZZZ			17:39																				
ZZZZZZ			17:53																				
ZZZZZZ			18:10																				
ZZZZZZ			18:26																				
ZZZZZZ			18:40																				
CCV 680-319881/13			18:54																				
ZZZZZZ			19:11																				
ZZZZZZ			19:29																				
ZZZZZZ			19:39																				
ZZZZZZ			19:54																				
ZZZZZZ			20:12																				
ZZZZZZ			20:26																				
ZZZZZZ			20:42																				
ZZZZZZ			20:56																				
ZZZZZZ			21:14																				
ZZZZZZ			21:33																				
ZZZZZZ			21:47																				
CCV 680-319881/25			22:02																				
CCB 680-319881/26			22:16																				
ZZZZZZ			22:31																				
ZZZZZZ			22:47																				
ZZZZZZ			23:02																				
ZZZZZZ			23:12																				
ZZZZZZ			23:27																				
ZZZZZZ			23:41																				
ZZZZZZ			23:52																				
ZZZZZZ			00:06																				
ZZZZZZ			00:24																				
ZZZZZZ			00:40																				
CCV 680-319881/37			00:55																				
CCB 680-319881/38			01:09																				
ZZZZZZ			01:25																				
ZZZZZZ			01:36																				
ZZZZZZ			01:50																				
ZZZZZZ			02:05																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 03/15/2014 15:51 End Date: 03/16/2014 15:26

Lab Sample ID	D/F	Type	Time	Analytes																			
ZZZZZZ			02:21																				
ZZZZZZ			02:35																				
ZZZZZZ			02:52																				
ZZZZZZ			03:06																				
ZZZZZZ			03:20																				
ZZZZZZ			03:33																				
ZZZZZZ			03:48																				
ZZZZZZ			04:04																				
ZZZZZZ			04:21																				
ZZZZZZ			04:34																				
ZZZZZZ			04:51																				
ZZZZZZ			05:06																				
ZZZZZZ			05:22																				
ZZZZZZ			05:39																				
ZZZZZZ			05:57																				
ZZZZZZ			06:14																				
ZZZZZZ			06:31																				
ZZZZZZ			06:50																				
ZZZZZZ			07:04																				
ZZZZZZ			07:25																				
ZZZZZZ			07:41																				
ZZZZZZ			07:58																				
ZZZZZZ			08:12																				
ZZZZZZ			08:28																				
ZZZZZZ			08:45																				
ZZZZZZ			09:01																				
ZZZZZZ			09:15																				
ZZZZZZ			09:31																				
ZZZZZZ			09:48																				
ZZZZZZ			10:04																				
ZZZZZZ			10:18																				
ZZZZZZ			10:35																				
ZZZZZZ			10:53																				
ZZZZZZ			11:07																				
ZZZZZZ			11:22																				
ZZZZZZ			11:37																				
ZZZZZZ			11:50																				
ZZZZZZ			12:04																				
ZZZZZZ			12:18																				
ZZZZZZ			12:37																				
ZZZZZZ			12:53																				
ZZZZZZ			13:09																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 03/15/2014 15:51 End Date: 03/16/2014 15:26

Lab Sample ID	D / F	Type	Time	Analytes																			
ZZZZZZ			13:26																				
ZZZZZZ			13:44																				
ZZZZZZ			13:58																				
ZZZZZZ			14:11																				
ZZZZZZ			14:27																				
ZZZZZZ			14:41																				
ZZZZZZ			14:55																				
ZZZZZZ			15:12																				
ZZZZZZ			15:26																				

Prep Types

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 03/17/2014 13:19 End Date: 03/17/2014 19:58

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC																			
CCV 680-320062/1	1		13:19	X																			
MB 680-320062/2	1	T	13:34	X																			
ZZZZZZ			13:52																				
ZZZZZZ			14:09																				
LCS 680-320062/5	1	T	14:23	X																			
LCSD 680-320062/6	1	T	14:36	X																			
ZZZZZZ			14:52																				
ZZZZZZ			15:07																				
ZZZZZZ			15:18																				
ZZZZZZ			15:34																				
ZZZZZZ			15:53																				
ZZZZZZ			16:11																				
CCV 680-320062/13	1		16:26	X																			
CCB 680-320062/14	1		16:46	X																			
ZZZZZZ			17:01																				
ZZZZZZ			17:12																				
ZZZZZZ			17:26																				
ZZZZZZ			17:40																				
680-99170-3	5	T	17:59	X																			
ZZZZZZ			18:19																				
ZZZZZZ			18:33																				
ZZZZZZ			18:53																				
ZZZZZZ			19:08																				
ZZZZZZ			19:27																				
CCV 680-320062/25	1		19:41	X																			
CCB 680-320062/26	1		19:58	X																			

Prep Types

T = Total/NA

TestAmerica Savannah
Konelab 1

Date : 2/28/2014
Time : 14:17

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
CCV-NH3	1.0519	0.274	2/27/2014 19:02		0.004
CCB-NH3	0.0193	0.013	2/27/2014 19:02		0.004
MB 317687/2-A	0.0194	0.013	2/27/2014 19:02		0.004
98892G1A	0.0697	0.026	2/27/2014 19:02		0.004
98892G1B MS	0.7827	0.206	2/27/2014 19:02		0.004
98892G1C MSD	0.7198	0.190	2/27/2014 19:02		0.004
640-46939D1	0.2492	0.071	2/27/2014 19:02		0.004
640-46939D1 MS	1.2624	0.327	2/27/2014 19:02		0.004
640-46939D1 MSD	1.2544	0.325	2/27/2014 19:02		0.004
CCV-NH3	1.0488	0.273	2/27/2014 19:11		0.004
CCB-NH3	0.0180	0.013	2/27/2014 19:11		0.004
CCV-NH3	1.0577	0.276	2/27/2014 19:40		0.004
CCB-NH3	0.0175	0.013	2/27/2014 19:40		0.004
660-59321D4	0.0390	0.018	2/27/2014 19:40		0.004
660-59321D6	0.0484	0.020	2/27/2014 19:40		0.004
660-59323C1	0.1079	0.035	2/27/2014 19:40		0.005
660-59331A1	0.1269	0.040	2/27/2014 19:40		0.211
98896T1	0.2242	0.065	2/27/2014 19:40		0.004
98897G1	0.3152	0.088	2/27/2014 19:40		0.005
98923A3	0.0471	0.020	2/27/2014 19:40		0.006
98923A4	0.0344	0.017	2/27/2014 19:40		0.006
98923A5	0.1085	0.036	2/27/2014 19:40		0.009
98923A6	0.3584	0.099	2/27/2014 19:40		0.008
CCV-NH3	1.0456	0.272	2/27/2014 19:47		0.004
CCB-NH3	0.0113	0.011	2/27/2014 19:47		0.004
98923A7	0.0722	0.026	2/27/2014 19:47		0.004
CCV-NH3	1.0571	0.275	2/27/2014 19:48		0.004
CCB-NH3	0.0135	0.012	2/27/2014 19:49		0.005
CCV-NH3	1.0978	0.286	2/28/2014 11:15		0.000
CCB-NH3	0.0117	0.011	2/28/2014 11:15		0.001
640-46978G8 500	_____	-	-		-
640-46978H5	_____	-	-	1+19.0	-
640-46978G9	_____	-	-	1+19.0	-
640-46978G15	_____	-	-	1+19.0	-
98962B1	_____	-	-	1+1.0	-
640-46978H10	_____	-	-	1+4.0	-
640-46978H13	_____	-	-	1+4.0	-
640-46978G15 DU	_____	-	-	1+19.0	-
640-46978H14 200	_____	-	-	1+1.0	-
46978H14 MS 200	_____	-	-	1+1.0	-
46978H14 MSD 200	_____	-	-	1+1.0	-
ICB NH3	0.0224	0.015	2/28/2014 13:45		0.000
ICV NH3	1.0256	0.294	2/28/2014 13:46		0.000
LCS-NH3	0.9998	0.287	2/28/2014 13:46		0.001
CCV-NH3	0.9933	0.285	2/28/2014 14:10		0.001
CCB-NH3	0.0035	0.010	2/28/2014 14:10		0.001
660-59382D1	0.0204	0.015	2/28/2014 14:10		0.002
660-59382D1 MS	1.3704	0.390	2/28/2014 14:10		0.002
660-59382D1 MSD	1.3623	0.388	2/28/2014 14:10		0.002
640-46869A5	0.0228	0.016	2/28/2014 14:10		0.001
640-46869A6	0.0277	0.017	2/28/2014 14:10		0.001
CCV-NH3	0.9941	0.286	2/28/2014 14:13		0.001
CCB-NH3	0.0052	0.011	2/28/2014 14:13		0.001
LCS 317687/1-A	_____	-	-		-
660-59326B4A	_____	-	-		-
640-46941F4	_____	-	-		-

TestAmerica Savannah
Konelab 1

Date : 2/28/2014
Time : 14:17

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
640-46938A2	_____	-	-		-
640-46939D2	_____	-	-		-
640-46941F1	_____	-	-		-
640-46941F2	_____	-	-		-
640-46941F3	_____	-	-		-
640-46978G2	_____	-	-		-
640-46978G3	_____	-	-		-
98971A1A	_____	-	-		-
640-46978H1	_____	-	-		-
640-46978H4	_____	-	-		-
640-46978H6	_____	-	-		-
640-46978G7	_____	-	-		-
660-59321D5	_____	-	-		-
640-46978G12	_____	-	-		-
660-59320A1	_____	-	-		-
660-59321D1	_____	-	-		-
660-59321D2	_____	-	-		-
660-59321D3	_____	-	-		-
98944B2	_____	-	-		-
640-46978H1 DU	_____	-	-		-
640-46978G11	_____	-	-		-
CCB-NH3	_____	-	-		-
CCV-NH3	_____	-	-		-

TestAmerica Savannah
Konelab 1

2/28/2014 14:17

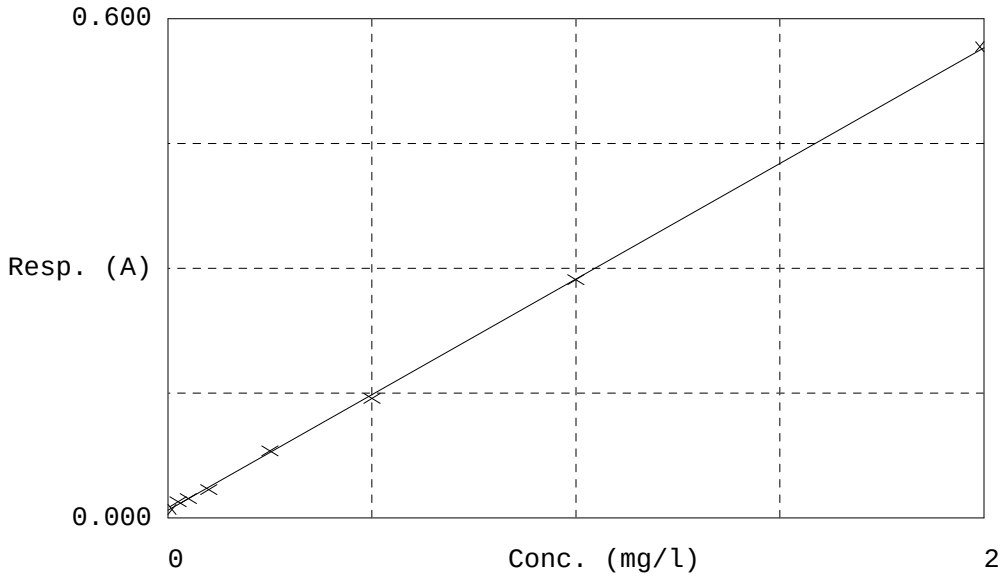
Test Ammonia

Accepted 2/28/2014 13:47

Factor 3.597
Bias 0.009

Coeff. of det. 0.999822

Errors QC rule violated



	Calibrator	Response	Calc. con.	Conc.	Errors
1	NH3-0	0.010	0.00402	0.00000	
2	NH3-0.025	0.019	0.03666	0.02500	
3	NH3-0.050	0.023	0.05102	0.05000	
4	NH3-0.10	0.034	0.08953	0.10000	
5	NH3-0.25	0.081	0.25774	0.25000	
6	NH3-0.50	0.144	0.48409	0.50000	
7	NH3-1.0	0.286	0.99715	1.00000	
8	NH3-2.0	0.567	2.00479	2.00000	
9	ICB NH3(control	0.015	0.02237	0.00000	Test limit low
10	ICV NH3(control	0.294	1.02558	1.00000	
11	LCS-NH3(control	0.287	0.99982	1.00000	

TestAmerica Savannah
Konelab 1

2/28/2014 14:17

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
CCV-NH3	1.0519	0.0	0.274	
CCB-NH3	0.0193	0.0	0.013	Test limit low
LCS 317687/1-A	0.7456	0.0	0.197	
MB 317687/2-A	0.0194	0.0	0.013	Test limit low
98892G1A	0.0697	0.0	0.026	
98892G1B MS	0.7827	0.0	0.206	
98892G1C MSD	0.7198	0.0	0.190	
660-59326B4A	0.0997	0.0	0.033	
98971A1A	4.6367	0.0	1.180	
640-46939D1	0.2492	0.0	0.071	
640-46939D1 MS	1.2624	0.0	0.327	
640-46939D1 MSD	1.2544	0.0	0.325	
CCV-NH3	1.0488	0.0	0.273	
CCB-NH3	0.0180	0.0	0.013	Test limit low
640-46978H1	3.5349	0.0	0.902	
640-46978H1 DU	3.4859	0.0	0.889	
640-46941F4	0.0690	0.0	0.026	
640-46938A2	0.0769	0.0	0.028	
640-46939D2	0.5643	0.0	0.151	
640-46941F1	0.0496	0.0	0.021	
640-46941F2	0.0453	0.0	0.020	
640-46941F3	0.0814	0.0	0.029	
640-46978G2	0.0313	0.0	0.016	
640-46978G3	0.0254	0.0	0.014	Test limit low
CCV-NH3	1.0693	0.0	0.278	
CCB-NH3	0.0426	0.0	0.019	Rule 1 violated
640-46978H4	0.1846	0.0	0.055	
640-46978H5	14.8558	0.0	3.764	
640-46978H6	0.4793	0.0	0.129	
640-46978G7	1.6672	0.0	0.430	
640-46978G8	39.6922	0.0	10.043	Abs. high
640-46978G9	15.2374	0.0	3.861	
640-46978H10	5.7489	0.0	1.462	
640-46978G11	3.5065	0.0	0.895	
640-46978G12	1.1993	0.0	0.311	
640-46978H13	8.5687	0.0	2.174	
CCV-NH3	1.1787	0.0	0.306	Rule 1 violated
CCB-NH3	0.5378	0.0	0.144	Rule 1 violated
640-46978H14	39.6904	0.0	10.043	Abs. high
640-46978H14 MS	39.6904	0.0	10.043	Abs. high
640-46978H14 MSD	39.6907	0.0	10.043	Abs. high
640-46978G15	13.4956	0.0	3.420	
640-46978G15 DU	13.1169	0.0	3.324	
660-59321D5	0.2352	0.0	0.068	
660-59320A1	0.1935	0.0	0.057	
660-59321D1	0.2762	0.0	0.078	
660-59321D2	0.1207	0.0	0.039	
660-59321D3	0.1433	0.0	0.044	
CCV-NH3	1.0577	0.0	0.276	
CCB-NH3	0.0175	0.0	0.013	Test limit low
660-59321D4	0.0390	0.0	0.018	
660-59321D6	0.0484	0.0	0.020	
660-59323C1	0.1079	0.0	0.035	
660-59331A1	0.1269	0.0	0.040	
98896T1	0.2242	0.0	0.065	
98897G1	0.3152	0.0	0.088	
98923A3	0.0471	0.0	0.020	
98923A4	0.0344	0.0	0.017	

TestAmerica Savannah
Konelab 1

2/28/2014 14:17

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
98923A5	0.1085	0.0	0.036	
98923A6	0.3584	0.0	0.099	
CCV-NH3	1.0456	0.0	0.272	
CCB-NH3	0.0113	0.0	0.011	Test limit low
98923A7	0.0722	0.0	0.026	
98944B2	0.1228	0.0	0.039	
98962B1	4.7511	0.0	1.209	
CCV-NH3	1.0571	0.0	0.275	
CCB-NH3	0.0135	0.0	0.012	Test limit low
CCV-NH3	1.1329	0.0	0.295	Blank resp. low, Rule 1 v
CCB-NH3	0.0269	0.0	0.015	Blank resp. low, Rule 1 v
LCS 317687/1-A	1.1221	0.0	0.292	Blank resp. low
660-59326B4A	0.1492	0.0	0.046	Blank resp. low
640-46941F4	0.4698	0.0	0.127	Blank resp. low
640-46938A2	0.2158	0.0	0.063	Blank resp. low
640-46939D2	1.4012	0.0	0.362	
640-46941F1	0.6589	0.0	0.175	
640-46941F2	0.8047	0.0	0.212	
640-46941F3	1.3569	0.0	0.351	
640-46978G2	0.2091	0.0	0.061	
640-46978G3	0.2209	0.0	0.064	
CCV-NH3	1.1243	0.0	0.292	Blank resp. low, Rule 1 v
CCB-NH3	0.0274	0.0	0.015	Blank resp. low, Rule 1 v
640-46978H4	0.3486	0.0	0.096	
640-46978H6	0.6541	0.0	0.173	Blank resp. low
640-46978G7	1.0857	0.0	0.283	
640-46978G12	1.0432	0.0	0.272	
660-59321D5	0.2935	0.0	0.082	Blank resp. low
660-59320A1	0.3340	0.0	0.093	
660-59321D1	0.1326	0.0	0.042	Blank resp. low
660-59321D2	0.3919	0.0	0.107	Blank resp. low
660-59321D3	0.8239	0.0	0.216	Blank resp. low
98944B2	0.5366	0.0	0.144	Blank resp. low
CCB-NH3	-	0.0	-	Aut. rejected, Batch inco
CCV-NH3	-	0.0	-	Aut. rejected, Batch inco
LCS 317687/1-A	1.1107	0.0	0.289	
660-59326B4A	0.1517	0.0	0.046	
640-46941F4	0.4724	0.0	0.128	Blank resp. low
640-46938A2	0.2116	0.0	0.062	
640-46939D2	1.3946	0.0	0.361	
640-46941F1	0.6603	0.0	0.175	
640-46941F2	0.8030	0.0	0.211	
640-46941F3	1.3556	0.0	0.351	
640-46978G2	0.2132	0.0	0.062	
640-46978G3	0.2278	0.0	0.066	
640-46978H4	0.3450	0.0	0.095	
640-46978H6	0.6439	0.0	0.171	Blank resp. low
640-46978G7	1.0797	0.0	0.281	
640-46978G12	1.0398	0.0	0.271	
660-59321D5	0.2931	0.0	0.082	
660-59320A1	0.3379	0.0	0.094	
660-59321D1	0.1326	0.0	0.042	Blank resp. low
660-59321D2	0.3955	0.0	0.108	Blank resp. low
660-59321D3	0.8339	0.0	0.219	Blank resp. low
98944B2	0.5391	0.0	0.144	
CCV-NH3	1.1091	0.0	0.288	Rule 1 violated
CCB-NH3	0.0130	0.0	0.011	Test limit low
640-46978H1	1.3845	1.0	0.183	

TestAmerica Savannah
Konelab 1

2/28/2014 14:17

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
640-46978H1 DU	1.3628	1.0	0.180	
640-46978H14 MSD	222.9187	49.0	1.135	
98962B1	2.4526	4.0	0.132	
98971A1A	0.7658	4.0	0.047	Blank resp. low
640-46978H5	19.5276	9.0	0.502	Blank resp. low
640-46978G8	700.6495	49.0	3.551	Blank resp. low
640-46978H10	5.9466	4.0	0.309	Blank resp. low
640-46978G11	1.1992	1.0	0.160	
640-46978H13	5.8761	4.0	0.305	
CCV-NH3	1.1201	0.0	0.291	Rule 1 violated
CCB-NH3	0.0231	0.0	0.014	Test limit low
640-46978G9	19.9032	9.0	0.511	
640-46978H14	221.7091	49.0	1.129	
640-46978H14 MS	224.4489	49.0	1.143	
640-46978G15	19.4185	9.0	0.499	
640-46978G15 DU	19.3568	9.0	0.497	
CCV-NH3	1.0978	0.0	0.286	
CCB-NH3	0.0117	0.0	0.011	Test limit low
CCV-NH3	1.1153	0.0	0.290	Rule 1 violated
CCB-NH3	0.0138	0.0	0.012	Test limit low
LCS 317687/1-A	1.1489	0.0	0.299	
660-59326B4A	0.1677	0.0	0.050	
640-46941F4	0.0153	0.0	0.012	Test limit low
640-46938A2	0.2219	0.0	0.064	
640-46939D2	1.4126	0.0	0.365	
640-46941F1	0.6883	0.0	0.182	
640-46941F2	0.8407	0.0	0.221	
640-46941F3	1.3810	0.0	0.357	
640-46978G2	0.2332	0.0	0.067	
640-46978G3	0.2468	0.0	0.070	
CCB-NH3	-	0.0	-	Aut. rejected, Batch inco
CCV-NH3	-	0.0	-	Aut. rejected, Batch inco
CCV-NH3	-	0.0	-	Aut. rejected, Batch inco
CCB-NH3	-	0.0	-	Aut. rejected, Batch inco
98971A1A	0.7035	0.0	0.186	
640-46978H1	1.4773	0.0	0.382	
640-46978H4	0.3817	0.0	0.105	
640-46978H6	0.7058	0.0	0.187	
640-46978G7	1.1299	0.0	0.294	
640-46978G12	1.0567	0.0	0.275	
660-59321D5	0.0367	0.0	0.017	
660-59320A1	0.3519	0.0	0.097	
660-59321D1	0.1583	0.0	0.048	
660-59321D2	0.4390	0.0	0.119	
660-59321D3	0.8610	0.0	0.226	
98944B2	0.5715	0.0	0.153	
640-46978H1 DU	1.4328	0.0	0.370	
640-46978G11	1.2560	0.0	0.326	
640-46978H14 200	183.2876	0.0	0.240	
46978H14 MS 200	425.9779	0.0	0.547	
46978H14 MSD 200	413.1869	0.0	0.530	
640-46978G8 500	732.2870	0.0	0.378	
LCS 317687/1-A	1.1277	0.0	0.293	
660-59326B4A	0.1799	0.0	0.054	
640-46941F4	0.0206	0.0	0.013	Test limit low
640-46938A2	0.2308	0.0	0.066	
640-46939D2	1.4281	0.0	0.369	
640-46941F1	0.7064	0.0	0.187	

TestAmerica Savannah
Konelab 1

2/28/2014 14:17

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
640-46941F2	0.8686	0.0	0.228	
640-46941F3	1.4303	0.0	0.370	
640-46978G2	0.2466	0.0	0.070	
640-46978G3	0.2627	0.0	0.074	
98971A1A	0.7048	0.0	0.186	
640-46978H1	1.4710	0.0	0.380	
640-46978H4	0.3843	0.0	0.105	
640-46978H6	0.6987	0.0	0.185	
640-46978G7	1.1295	0.0	0.294	
640-46978G12	1.0650	0.0	0.277	
660-59321D5	0.0499	0.0	0.021	
660-59320A1	0.3554	0.0	0.098	
660-59321D1	0.1620	0.0	0.049	
660-59321D2	0.4465	0.0	0.121	
660-59321D3	0.8660	0.0	0.227	
98944B2	0.5710	0.0	0.152	
640-46978H1 DU	1.4242	0.0	0.368	
640-46978G11	1.2467	0.0	0.323	
640-46978G8 500	729.7138	0.0	0.377	
CCV-NH3	1.1571	0.0	0.301	Rule 1 violated
CCB-NH3	0.0486	0.0	0.020	Rule 1 violated
640-46978H5	19.5199	19.0	0.255	
640-46978G9	20.3679	19.0	0.266	
640-46978G15	19.6088	19.0	0.256	
98962B1	2.2666	1.0	0.295	
640-46978H10	5.4427	4.0	0.283	
640-46978H13	6.0180	4.0	0.312	
640-46978G15 DU	19.5983	19.0	0.256	
640-46978H14 200	186.4873	1.0	0.126	
46978H14 MS 200	410.0559	1.0	0.267	
46978H14 MSD 200	414.5773	1.0	0.270	
CCV-NH3	1.1630	0.0	0.302	Rule 1 violated
CCB-NH3	0.0529	0.0	0.021	Rule 1 violated
ICB NH3	0.0224	0.0	0.015	Test limit low
ICV NH3	1.0256	0.0	0.294	
LCS-NH3	0.9998	0.0	0.287	
CCV-NH3	0.9933	0.0	0.285	
CCB-NH3	0.0035	0.0	0.010	Test limit low
660-59382D1	0.0204	0.0	0.015	Test limit low
660-59382D1 MS	1.3704	0.0	0.390	
660-59382D1 MSD	1.3623	0.0	0.388	
640-46869A5	0.0228	0.0	0.016	Test limit low
640-46869A6	0.0277	0.0	0.017	
CCV-NH3	0.9941	0.0	0.286	
CCB-NH3	0.0052	0.0	0.011	Test limit low
LCS 317687/1-A	-	0.0	-	
660-59326B4A	-	0.0	-	
640-46941F4	-	0.0	-	
640-46938A2	-	0.0	-	
640-46939D2	-	0.0	-	
640-46941F1	-	0.0	-	
640-46941F2	-	0.0	-	
640-46941F3	-	0.0	-	
640-46978G2	-	0.0	-	
640-46978G3	-	0.0	-	
98971A1A	-	0.0	-	
640-46978H1	-	0.0	-	
640-46978H4	-	0.0	-	

TestAmerica Savannah
Konelab 1

2/28/2014 14:17

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
640-46978H6	-	0.0	-	
640-46978G7	-	0.0	-	
660-59321D5	-	0.0	-	
640-46978G12	-	0.0	-	
660-59320A1	-	0.0	-	
660-59321D1	-	0.0	-	
660-59321D2	-	0.0	-	
660-59321D3	-	0.0	-	
98944B2	-	0.0	-	
640-46978H1 DU	-	0.0	-	
640-46978G11	-	0.0	-	
CCB-NH3	-	0.0	-	
CCV-NH3	-	0.0	-	

N	176
Mean	30.5600
SD	115.03236
CV%	376.41

TestAmerica Savannah
Konelab 1

Date : 3/15/2014
Time : 13:06

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
CCV-NH3	1.0988	0.315	3/14/2014 10:18		0.005
CCB-NH3	0.0181	0.014	3/14/2014 10:18		0.004
640-47035B3	0.0242	0.016	3/14/2014 10:18		0.006
640-47035B3 MS	1.2609	0.360	3/14/2014 10:18		0.005
640-47035B3 MSD	1.2423	0.355	3/14/2014 10:18		0.006
CCV-NH3	1.0864	0.311	3/14/2014 10:20		0.004
CCB-NH3	0.0130	0.013	3/14/2014 10:20		0.004
CCV-NH3	1.0900	0.312	3/14/2014 17:48		0.006
CCB-NH3	0.0354	0.019	3/14/2014 17:48		0.005
640-47075A1	0.0752	0.030	3/14/2014 17:48		0.005
640-47075A1 MS	1.2158	0.347	3/14/2014 17:48		0.005
640-47075A1 MSD	1.2105	0.346	3/14/2014 17:48		0.005
640-47075A2	0.3589	0.109	3/14/2014 17:48		0.005
640-47075A2 DU	0.3518	0.107	3/14/2014 17:48		0.005
640-47062O1	0.0798	0.031	3/14/2014 17:48		0.006
640-47062O2	0.0788	0.031	3/14/2014 17:48		0.007
640-47075A3	0.0640	0.027	3/14/2014 17:48		0.005
640-47075A4	0.0511	0.023	3/14/2014 17:48		0.005
640-47075A5	0.0509	0.023	3/14/2014 17:48		0.006
CCV-NH3	1.0768	0.309	3/14/2014 17:57		0.005
CCB-NH3	0.0272	0.017	3/14/2014 17:57		0.005
640-47075A6	0.1867	0.061	3/14/2014 17:57		0.006
660-59442C1	0.1221	0.043	3/14/2014 17:57		0.005
660-59442C2	0.1769	0.058	3/14/2014 17:57		0.005
660-59524A1	0.1674	0.056	3/14/2014 17:57		0.205
660-59525A1	0.2079	0.067	3/14/2014 17:57		0.235
99111C1	0.0791	0.031	3/14/2014 17:57		0.008
99111C2	0.0710	0.029	3/14/2014 17:57		0.029
99111C3	0.1736	0.058	3/14/2014 17:57		0.006
99111C4	0.2145	0.069	3/14/2014 17:57		0.005
99111C5	0.0877	0.034	3/14/2014 17:57		0.005
CCV-NH3	1.0751	0.308	3/14/2014 18:06		0.005
CCB-NH3	0.0273	0.017	3/14/2014 18:06		0.005
99111C6	0.1110	0.040	3/14/2014 18:06		0.005
99111C7	0.1085	0.039	3/14/2014 18:06		0.005
99275C1	0.6204	0.182	3/14/2014 18:06		0.006
99116C12	0.4890	0.145	3/14/2014 18:06		0.005
99116C12 MS	1.6543	0.469	3/14/2014 18:06		0.005
99116C12 MSD	1.6493	0.468	3/14/2014 18:06		0.005
99116C11	0.1611	0.054	3/14/2014 18:06		0.005
99116C11 DU	0.1425	0.049	3/14/2014 18:06		0.005
99116C13	0.1834	0.060	3/14/2014 18:16		0.005
CCV-NH3	1.0811	0.310	3/14/2014 18:16		0.005
CCB-NH3	0.0269	0.017	3/14/2014 18:16		0.005
CCV-NH3	1.0138	0.291	3/15/2014 10:52		0.006
CCB-NH3	0.0126	0.013	3/15/2014 10:52		0.006
99116C14	0.4825	0.143	3/15/2014 10:52		0.006
99125D1	0.5953	0.175	3/15/2014 10:52		0.006
99125D2	0.2822	0.088	3/15/2014 10:52		0.006
99125D3	0.4201	0.126	3/15/2014 10:52		0.006
99125D4	1.5728	0.446	3/15/2014 10:52		0.006
99167B2	1.1944	0.341	3/15/2014 10:52		0.026
99170C4	1.0560	0.303	3/15/2014 10:52		0.006
99170C6	0.9447	0.272	3/15/2014 10:52		0.006
99181C1	0.3615	0.110	3/15/2014 10:52		0.006
99227C1	1.1753	0.336	3/15/2014 10:52		0.007

TestAmerica Savannah
Konelab 1

Date : 3/15/2014
Time : 13:06

Test Ammonia
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Blank
CCV-NH3	1.0138	0.291	3/15/2014 10:59		0.006
CCB-NH3	0.0123	0.013	3/15/2014 10:59		0.006
99271B2	1.0439	0.299	3/15/2014 10:59		0.012
99116C10	3.9966	0.231	3/15/2014 11:09	1+4.0	0.006
99170C1	46.2526	0.652	3/15/2014 11:09	1+19.0	0.006
99170C2	169.8891	0.482	3/15/2014 11:09	1+99.0	0.006
99170C3	122.3447	0.349	3/15/2014 11:09	1+99.0	0.006
99170C7	104.4176	0.300	3/15/2014 11:09	1+99.0	0.006
CCV-NH3	1.0510	0.301	3/15/2014 11:10		0.006
CCB-NH3	0.0145	0.013	3/15/2014 11:10		0.006
CCV-NH3	1.0478	0.301	3/15/2014 13:02		0.006
CCB-NH3	0.0160	0.014	3/15/2014 13:02		0.006
99170C8 200	202.3295	0.290	3/15/2014 13:02		0.006
CCV-NH3	1.0493	0.301	3/15/2014 13:03		0.006
CCB-NH3	0.0151	0.013	3/15/2014 13:03		0.006

TestAmerica Savannah
Konelab 1

3/15/2014 13:06

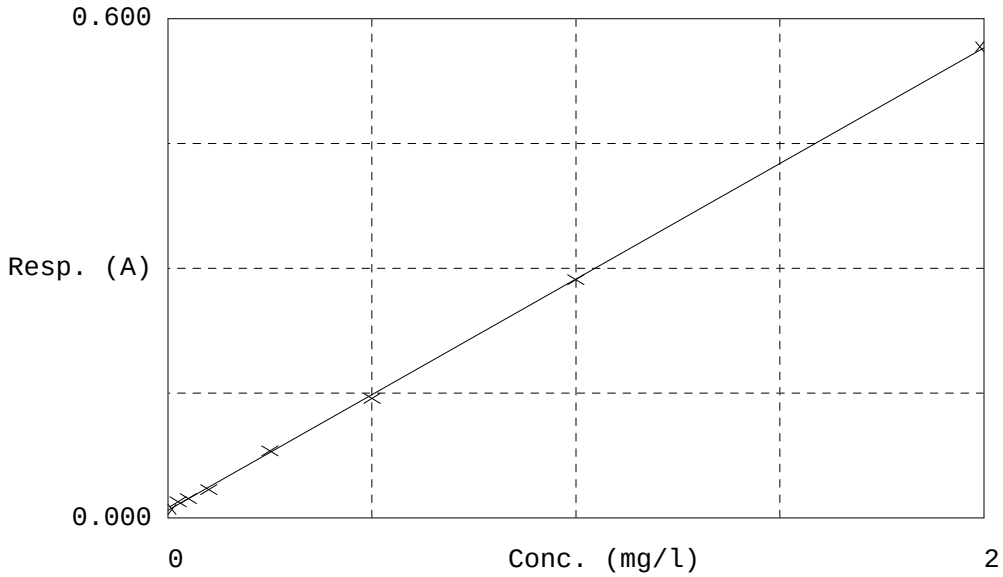
Test Ammonia

Accepted 2/28/2014 13:47

Factor 3.597
Bias 0.009

Coeff. of det. 0.999822

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	NH3-0	0.010	0.00402	0.00000	
2	NH3-0.025	0.019	0.03666	0.02500	
3	NH3-0.050	0.023	0.05102	0.05000	
4	NH3-0.10	0.034	0.08953	0.10000	
5	NH3-0.25	0.081	0.25774	0.25000	
6	NH3-0.50	0.144	0.48409	0.50000	
7	NH3-1.0	0.286	0.99715	1.00000	
8	NH3-2.0	0.567	2.00479	2.00000	

TestAmerica Savannah
Konelab 1

3/15/2014 13:06

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
CCV-NH3	1.0988	0.0	0.315	
CCB-NH3	0.0181	0.0	0.014	Test limit low
640-47035B3	0.0242	0.0	0.016	Test limit low
640-47035B3 MS	1.2609	0.0	0.360	
640-47035B3 MSD	1.2423	0.0	0.355	
CCV-NH3	1.0864	0.0	0.311	
CCB-NH3	0.0130	0.0	0.013	Test limit low
CCV-NH3	1.0900	0.0	0.312	
CCB-NH3	0.0354	0.0	0.019	Rule 1 violated
640-47075A1	0.0752	0.0	0.030	
640-47075A1 MS	1.2158	0.0	0.347	
640-47075A1 MSD	1.2105	0.0	0.346	
640-47075A2	0.3589	0.0	0.109	
640-47075A2 DU	0.3518	0.0	0.107	
640-47062O1	0.0798	0.0	0.031	
640-47062O2	0.0788	0.0	0.031	
640-47075A3	0.0640	0.0	0.027	
640-47075A4	0.0511	0.0	0.023	
640-47075A5	0.0509	0.0	0.023	
CCV-NH3	1.0768	0.0	0.309	
CCB-NH3	0.0272	0.0	0.017	Rule 1 violated
640-47075A6	0.1867	0.0	0.061	
660-59442C1	0.1221	0.0	0.043	
660-59442C2	0.1769	0.0	0.058	
660-59524A1	0.1674	0.0	0.056	
660-59525A1	0.2079	0.0	0.067	
99111C1	0.0791	0.0	0.031	
99111C2	0.0710	0.0	0.029	
99111C3	0.1736	0.0	0.058	
99111C4	0.2145	0.0	0.069	
99111C5	0.0877	0.0	0.034	
CCV-NH3	1.0751	0.0	0.308	
CCB-NH3	0.0273	0.0	0.017	Rule 1 violated
99111C6	0.1110	0.0	0.040	
99111C7	0.1085	0.0	0.039	
99275C1	0.6204	0.0	0.182	
99116C12	0.4890	0.0	0.145	
99116C12 MS	1.6543	0.0	0.469	
99116C12 MSD	1.6493	0.0	0.468	
99116C11	0.1611	0.0	0.054	
99116C11 DU	0.1425	0.0	0.049	
99116C10	3.9197	0.0	1.099	
99116C13	0.1834	0.0	0.060	
CCV-NH3	1.0811	0.0	0.310	
CCB-NH3	0.0269	0.0	0.017	Rule 1 violated
99116C14	0.2180	0.0	0.070	
99125D1	0.1036	0.0	0.038	
99125D2	0.1824	0.0	0.060	
99125D3	0.1551	0.0	0.052	
99125D4	0.9618	0.0	0.277	
99167B2	0.8425	0.0	0.243	
99170C1	19.2710	0.0	5.366	
99170C2	36.0833	0.0	10.040	Abs. high
99170C3	36.0909	0.0	10.042	Abs. high
99170C4	0.8916	0.0	0.257	
CCV-NH3	1.1344	0.0	0.325	Rule 1 violated
CCB-NH3	0.0992	0.0	0.037	Rule 1 violated
99170C6	1.3406	0.0	0.382	

TestAmerica Savannah
Konelab 1

3/15/2014 13:06

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
99170C7	36.0907	0.0	10.042	Abs. high
99170C8	36.0908	0.0	10.042	Abs. high
99181C1	0.9473	0.0	0.273	
99227C1	0.9327	0.0	0.269	
99271B2	0.7130	0.0	0.207	
CCV-NH3	1.0629	0.0	0.305	
CCB-NH3	0.0304	0.0	0.018	Rule 1 violated
CCV-NH3	1.0138	0.0	0.291	
CCB-NH3	0.0126	0.0	0.013	Test limit low
99116C14	0.4825	0.0	0.143	
99125D1	0.5953	0.0	0.175	
99125D2	0.2822	0.0	0.088	
99125D3	0.4201	0.0	0.126	
99125D4	1.5728	0.0	0.446	
99167B2	1.1944	0.0	0.341	
99170C4	1.0560	0.0	0.303	
99170C6	0.9447	0.0	0.272	
99181C1	0.3615	0.0	0.110	
99227C1	1.1753	0.0	0.336	
CCV-NH3	1.0138	0.0	0.291	
CCB-NH3	0.0123	0.0	0.013	Test limit low
99271B2	1.0439	0.0	0.299	
99116C10	3.9966	4.0	0.231	
99170C1	46.2526	19.0	0.652	
99170C2	169.8891	99.0	0.482	
99170C3	122.3447	99.0	0.349	
99170C7	104.4176	99.0	0.300	
99170C8	278.5292	99.0	0.784	
CCV-NH3	1.0510	0.0	0.301	
CCB-NH3	0.0145	0.0	0.013	Test limit low
CCV-NH3	1.0478	0.0	0.301	
CCB-NH3	0.0160	0.0	0.014	Test limit low
99170C8 200	202.3295	0.0	0.290	
CCV-NH3	1.0493	0.0	0.301	
CCB-NH3	0.0151	0.0	0.013	Test limit low

N	67
Mean	16.7820
SD	49.56785
CV%	295.36

TestAmerica Savannah
Konelab 2

Date : 2014-01-02
Time : 16.09

Test Phosphate
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
PO4-ICV	1.080		2014-01-02 09.48	
ICB	0.012		2014-01-02 09.48	
PO4-CCV	1.189		2014-01-02 11.16	
CCB	0.012		2014-01-02 11.16	
97524D2	2.842	1+1.0	2014-01-02 11.16	R
97524D2 MS	3.809	1+1.0	2014-01-02 11.16	R
97524D2 MSD	3.905	1+1.0	2014-01-02 11.16	R
PO4-CCV	1.189		2014-01-02 11.17	
CCB	0.012		2014-01-02 11.17	

TestAmerica Savannah
Konelab 2

02.01.2014 16:09

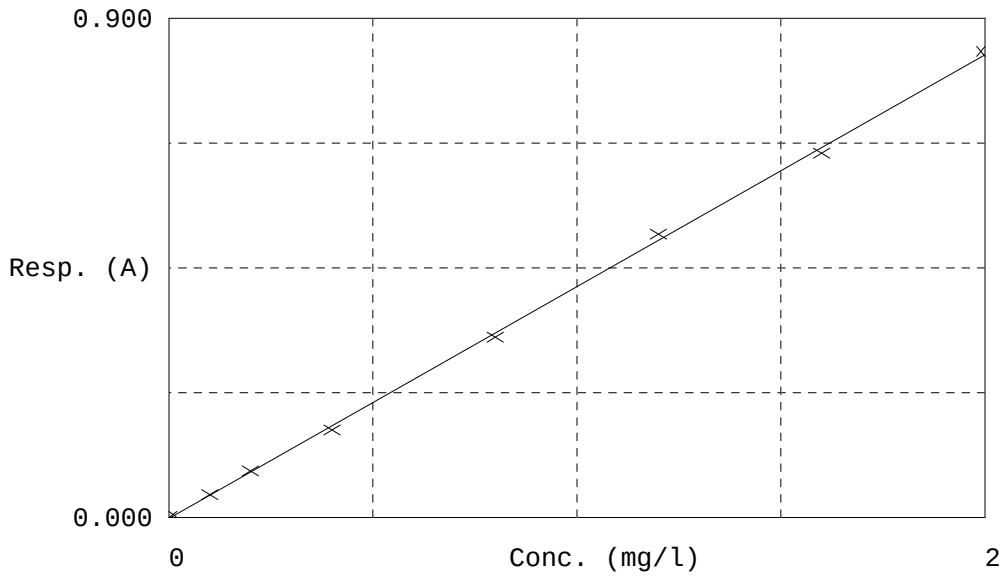
Test Phosphate

Accepted 02.01.2014 09:54

Factor 2.39
Bias -0.002

Coeff. of det. 0.999416

Errors Meas. error,QC rule violated



	Calibrator	Response	Calc. con.	Conc.	Errors
1	Blank	0.002	0.0103	0.0000	Blank resp. low
2	PO41	0.041	0.1034	0.1000	Blank resp. low
3	PO42	0.084	0.2055	0.2000	Blank resp. low
4	PO43	0.158	0.3828	0.4000	Blank resp. low
5	PO44	0.326	0.7826	0.8000	Blank resp. low
6	PO45	0.511	1.2266	1.2000	Blank resp. low
7	PO46	0.657	1.5749	1.6000	Blank resp. low
8	PO47	0.841	2.0138	2.0000	Blank resp. low
9	ICB(control)	0.003	0.0121	0.0000	Test limit low, Blank r
10	PO4-ICV(control	0.450	1.0801	1.0000	Blank resp. low

TestAmerica Savannah
Konelab 2

02.01.2014 16:09

Test: Phosphate

Sample Id	Result	Dil. 1 +	Response	Errors
PO4-ICV	1.080	0.0	0.450	Blank resp. low
ICB	0.012	0.0	0.003	Test limit low, Blank res
PO4-CCV	1.180	0.0	0.492	
CCB	0.011	0.0	0.003	Test limit low
97524D2	2.918	0.0	1.219	Test limit high
97524D2 MS	3.599	0.0	1.504	Test limit high
97524D2 MSD	3.649	0.0	1.525	Test limit high
PO4-CCV	1.181	0.0	0.492	Blank resp. low
CCB	0.011	0.0	0.003	Test limit low
PO4-CCV	1.189	0.0	0.496	
CCB	0.012	0.0	0.003	Test limit low
97524D2	2.842	1.0	0.593	Test limit high
97524D2 MS	3.809	1.0	0.795	Test limit high
97524D2 MSD	3.905	1.0	0.815	Test limit high
PO4-CCV	1.189	0.0	0.495	
CCB	0.012	0.0	0.003	Test limit low

N	6
Mean	3.454
SD	0.4583
CV%	13.27

TestAmerica Savannah
Konelab 2

Date : 2014-03-06
Time : 16.48

Test Phosphate
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
PO4-CCV	1.230		2014-03-06 14.23	
CCB	0.014		2014-03-06 14.23	
99170G2	0.007		2014-03-06 14.23	
99170G3	1.300		2014-03-06 14.23	
99170G4	0.018		2014-03-06 14.23	
99170G6	0.018		2014-03-06 14.23	
99170G7	0.022		2014-03-06 14.23	
99111G1	0.027		2014-03-06 14.23	
99111G2	0.042		2014-03-06 14.23	
PO4-CCV	1.229		2014-03-06 14.26	
CCB	0.017		2014-03-06 14.26	
99111G3	0.008		2014-03-06 14.26	
99111G4	0.040		2014-03-06 14.26	
99111G5	0.037		2014-03-06 14.26	
99111G5DU	0.032		2014-03-06 14.26	
99111G6	0.036		2014-03-06 14.26	
99111G7	0.010		2014-03-06 14.26	
99111G8	0.023		2014-03-06 14.26	
99116G1	0.081		2014-03-06 14.26	
99116G2	0.008		2014-03-06 14.26	
99116G3	0.011		2014-03-06 14.26	
PO4-CCV	1.230		2014-03-06 14.30	
CCB	0.015		2014-03-06 14.30	
99116G4	0.024		2014-03-06 14.30	
99116G5	0.009		2014-03-06 14.30	
99116G6	0.019		2014-03-06 14.30	
99170G8	0.020		2014-03-06 14.30	
99170G8MS	1.036		2014-03-06 14.30	
99170G8MSD	1.041		2014-03-06 14.30	
99116G7	1.194		2014-03-06 14.30	
99116G8	0.014		2014-03-06 14.30	
99116G9	0.014		2014-03-06 14.30	
99116G10	1.761		2014-03-06 14.30	
PO4-CCV	1.228		2014-03-06 14.33	
CCB	0.014		2014-03-06 14.34	
99116G11	0.017		2014-03-06 14.34	
99116G12	0.008		2014-03-06 14.34	
99116G13	0.026		2014-03-06 14.34	
99116G14	0.021		2014-03-06 14.34	
99125G1	0.138		2014-03-06 14.34	
99125G2	0.007		2014-03-06 14.34	
99125G2DU	0.182		2014-03-06 14.34	
99125G3	0.022		2014-03-06 14.34	
PO4-CCV	1.240		2014-03-06 14.34	
CCB	0.014		2014-03-06 14.34	
PO4-CCV	1.236		2014-03-06 15.40	
CCB	0.014		2014-03-06 15.40	
99170G1	1.864	1+1.0	2014-03-06 15.40	R
99170G1MS	2.885	1+1.0	2014-03-06 15.40	R
99170G1MSD	2.843	1+1.0	2014-03-06 15.40	R
PO4-CCV	1.238		2014-03-06 15.42	
CCB	0.015		2014-03-06 15.42	
PO4-CCV	1.235		2014-03-06 15.57	
CCB	0.014		2014-03-06 15.57	
99125G4	82.213	1+49.0	2014-03-06 15.57	R
PO4-CCV	1.260		2014-03-06 15.59	
CCB	0.016		2014-03-06 15.59	

TestAmerica Savannah
Konelab 2

06.03.2014 16:49

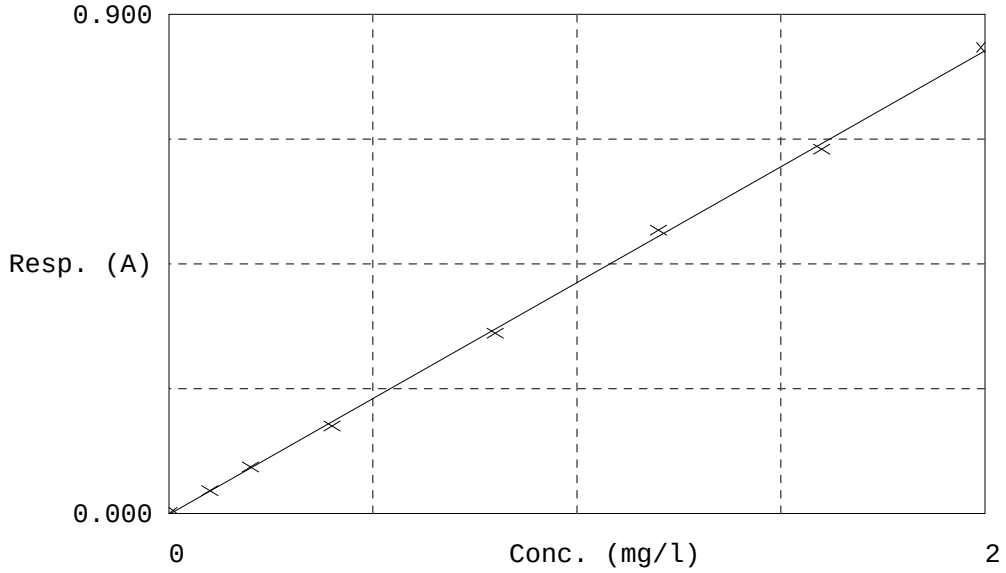
Test Phosphate

Accepted 02.01.2014 09:54

Factor 2.39
Bias -0.002

Coeff. of det. 0.999416

Errors Meas. error



	Calibrator	Response	Calc. con.	Conc.	Errors
1	Blank	0.002	0.0103	0.0000	Blank resp. low
2	PO41	0.041	0.1034	0.1000	Blank resp. low
3	PO42	0.084	0.2055	0.2000	Blank resp. low
4	PO43	0.158	0.3828	0.4000	Blank resp. low
5	PO44	0.326	0.7826	0.8000	Blank resp. low
6	PO45	0.511	1.2266	1.2000	Blank resp. low
7	PO46	0.657	1.5749	1.6000	Blank resp. low
8	PO47	0.841	2.0138	2.0000	Blank resp. low

TestAmerica Savannah
Konelab 2

06.03.2014 16:49

Test: Phosphate

Sample Id	Result	Dil. 1 +	Response	Errors
PO4-CCV	1.230	0.0	0.513	
CCB	0.014	0.0	0.004	Test limit low
99170G1	1.910	0.0	0.797	
99170G1MS	2.925	0.0	1.222	Test limit high
99170G1MSD	2.946	0.0	1.231	Test limit high
99170G2	0.007	0.0	0.001	Test limit low
99170G3	1.300	0.0	0.542	
99170G4	0.018	0.0	0.005	
99170G6	0.018	0.0	0.006	
99170G7	0.022	0.0	0.007	
99111G1	0.027	0.0	0.009	
99111G2	0.042	0.0	0.016	
PO4-CCV	1.229	0.0	0.512	
CCB	0.017	0.0	0.005	
99111G3	0.008	0.0	0.002	Test limit low
99111G4	0.040	0.0	0.015	
99111G5	0.037	0.0	0.014	
99111G5DU	0.032	0.0	0.012	
99111G6	0.036	0.0	0.013	
99111G7	0.010	0.0	0.002	Test limit low
99111G8	0.023	0.0	0.008	
99116G1	0.081	0.0	0.032	
99116G2	0.008	0.0	0.001	Test limit low
99116G3	0.011	0.0	0.003	Test limit low
PO4-CCV	1.230	0.0	0.513	
CCB	0.015	0.0	0.004	Test limit low
99116G4	0.024	0.0	0.008	
99116G5	0.009	0.0	0.002	Test limit low
99116G6	0.019	0.0	0.006	
99170G8	0.020	0.0	0.007	
99170G8MS	1.036	0.0	0.432	
99170G8MSD	1.041	0.0	0.434	
99116G7	1.194	0.0	0.498	
99116G8	0.014	0.0	0.004	Test limit low
99116G9	0.014	0.0	0.004	Test limit low
99116G10	1.761	0.0	0.735	
PO4-CCV	1.228	0.0	0.512	
CCB	0.014	0.0	0.004	Test limit low
99116G11	0.017	0.0	0.005	
99116G12	0.008	0.0	0.001	Test limit low
99116G13	0.026	0.0	0.009	
99116G14	0.021	0.0	0.007	
99125G1	0.138	0.0	0.056	
99125G2	0.007	0.0	0.001	Test limit low
99125G2DU	0.182	0.0	0.074	
99125G3	0.022	0.0	0.007	
99125G4	10.690	0.0	4.470	Test limit high
PO4-CCV	1.240	0.0	0.517	
CCB	0.014	0.0	0.004	Test limit low
PO4-CCV	1.236	0.0	0.515	
CCB	0.014	0.0	0.004	Test limit low
99170G1	1.864	1.0	0.388	
99170G1MS	2.885	1.0	0.602	Test limit high
99170G1MSD	2.843	1.0	0.593	Test limit high
99125G4	53.634	9.0	2.242	Test limit high
PO4-CCV	1.238	0.0	0.516	
CCB	0.015	0.0	0.005	Test limit low
PO4-CCV	1.235	0.0	0.515	
CCB	0.014	0.0	0.004	Test limit low
99125G4	82.213	49.0	0.686	Test limit high
PO4-CCV	1.260	0.0	0.525	
CCB	0.016	0.0	0.005	Test limit low

TestAmerica Savannah
Konelab 2

06.03.2014 16:49

Test: Phosphate

Sample Id	Result	Dil. 1 +	Response
N	44		
Mean	3.845		
SD	14.5862		
CV%	379.35		

TestAmerica Savannah
Konelab 2

Date : 2014-03-06
Time : 16.48

Test Phosphate
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
PO4-CCV	1.230		2014-03-06 14.23	
CCB	0.014		2014-03-06 14.23	
99170G2	0.007		2014-03-06 14.23	
99170G3	1.300		2014-03-06 14.23	
99170G4	0.018		2014-03-06 14.23	
99170G6	0.018		2014-03-06 14.23	
99170G7	0.022		2014-03-06 14.23	
99111G1	0.027		2014-03-06 14.23	
99111G2	0.042		2014-03-06 14.23	
PO4-CCV	1.229		2014-03-06 14.26	
CCB	0.017		2014-03-06 14.26	
99111G3	0.008		2014-03-06 14.26	
99111G4	0.040		2014-03-06 14.26	
99111G5	0.037		2014-03-06 14.26	
99111G5DU	0.032		2014-03-06 14.26	
99111G6	0.036		2014-03-06 14.26	
99111G7	0.010		2014-03-06 14.26	
99111G8	0.023		2014-03-06 14.26	
99116G1	0.081		2014-03-06 14.26	
99116G2	0.008		2014-03-06 14.26	
99116G3	0.011		2014-03-06 14.26	
PO4-CCV	1.230		2014-03-06 14.30	
CCB	0.015		2014-03-06 14.30	
99116G4	0.024		2014-03-06 14.30	
99116G5	0.009		2014-03-06 14.30	
99116G6	0.019		2014-03-06 14.30	
99170G8	0.020		2014-03-06 14.30	
99170G8MS	1.036		2014-03-06 14.30	
99170G8MSD	1.041		2014-03-06 14.30	
99116G7	1.194		2014-03-06 14.30	
99116G8	0.014		2014-03-06 14.30	
99116G9	0.014		2014-03-06 14.30	
99116G10	1.761		2014-03-06 14.30	
PO4-CCV	1.228		2014-03-06 14.33	
CCB	0.014		2014-03-06 14.34	
99116G11	0.017		2014-03-06 14.34	
99116G12	0.008		2014-03-06 14.34	
99116G13	0.026		2014-03-06 14.34	
99116G14	0.021		2014-03-06 14.34	
99125G1	0.138		2014-03-06 14.34	
99125G2	0.007		2014-03-06 14.34	
99125G2DU	0.182		2014-03-06 14.34	
99125G3	0.022		2014-03-06 14.34	
PO4-CCV	1.240		2014-03-06 14.34	
CCB	0.014		2014-03-06 14.34	
PO4-CCV	1.236		2014-03-06 15.40	
CCB	0.014		2014-03-06 15.40	
99170G1	1.864	1+1.0	2014-03-06 15.40	R
99170G1MS	2.885	1+1.0	2014-03-06 15.40	R
99170G1MSD	2.843	1+1.0	2014-03-06 15.40	R
PO4-CCV	1.238		2014-03-06 15.42	
CCB	0.015		2014-03-06 15.42	
PO4-CCV	1.235		2014-03-06 15.57	
CCB	0.014		2014-03-06 15.57	
99125G4	82.213	1+49.0	2014-03-06 15.57	R
PO4-CCV	1.260		2014-03-06 15.59	
CCB	0.016		2014-03-06 15.59	

TestAmerica Savannah
Konelab 2

06.03.2014 16:49

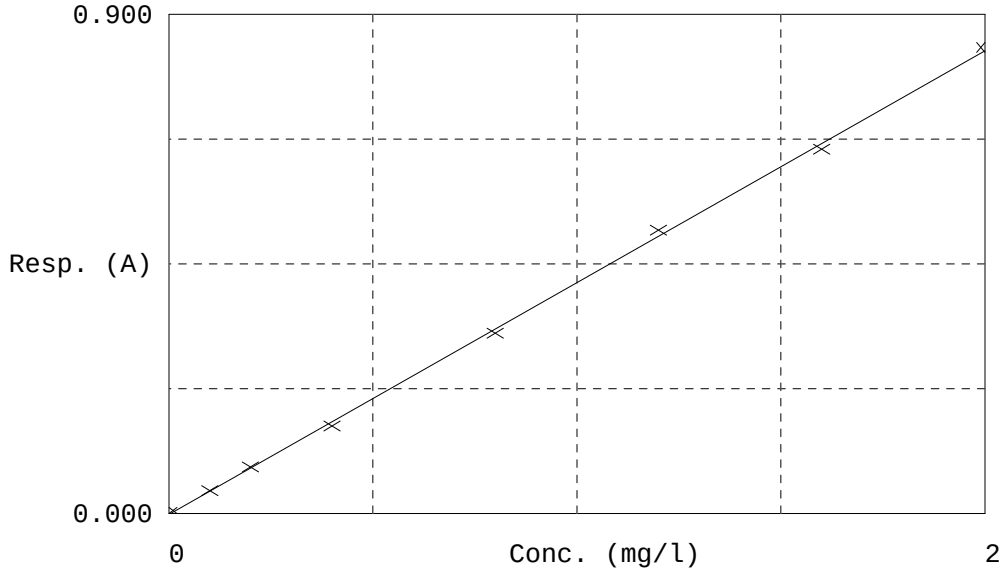
Test Phosphate

Accepted 02.01.2014 09:54

Factor 2.39
Bias -0.002

Coeff. of det. 0.999416

Errors Meas. error



	Calibrator	Response	Calc. con.	Conc.	Errors
1	Blank	0.002	0.0103	0.0000	Blank resp. low
2	PO41	0.041	0.1034	0.1000	Blank resp. low
3	PO42	0.084	0.2055	0.2000	Blank resp. low
4	PO43	0.158	0.3828	0.4000	Blank resp. low
5	PO44	0.326	0.7826	0.8000	Blank resp. low
6	PO45	0.511	1.2266	1.2000	Blank resp. low
7	PO46	0.657	1.5749	1.6000	Blank resp. low
8	PO47	0.841	2.0138	2.0000	Blank resp. low

TestAmerica Savannah
Konelab 2

06.03.2014 16:49

Test: Phosphate

Sample Id	Result	Dil. 1 +	Response	Errors
PO4-CCV	1.230	0.0	0.513	
CCB	0.014	0.0	0.004	Test limit low
99170G1	1.910	0.0	0.797	
99170G1MS	2.925	0.0	1.222	Test limit high
99170G1MSD	2.946	0.0	1.231	Test limit high
99170G2	0.007	0.0	0.001	Test limit low
99170G3	1.300	0.0	0.542	
99170G4	0.018	0.0	0.005	
99170G6	0.018	0.0	0.006	
99170G7	0.022	0.0	0.007	
99111G1	0.027	0.0	0.009	
99111G2	0.042	0.0	0.016	
PO4-CCV	1.229	0.0	0.512	
CCB	0.017	0.0	0.005	
99111G3	0.008	0.0	0.002	Test limit low
99111G4	0.040	0.0	0.015	
99111G5	0.037	0.0	0.014	
99111G5DU	0.032	0.0	0.012	
99111G6	0.036	0.0	0.013	
99111G7	0.010	0.0	0.002	Test limit low
99111G8	0.023	0.0	0.008	
99116G1	0.081	0.0	0.032	
99116G2	0.008	0.0	0.001	Test limit low
99116G3	0.011	0.0	0.003	Test limit low
PO4-CCV	1.230	0.0	0.513	
CCB	0.015	0.0	0.004	Test limit low
99116G4	0.024	0.0	0.008	
99116G5	0.009	0.0	0.002	Test limit low
99116G6	0.019	0.0	0.006	
99170G8	0.020	0.0	0.007	
99170G8MS	1.036	0.0	0.432	
99170G8MSD	1.041	0.0	0.434	
99116G7	1.194	0.0	0.498	
99116G8	0.014	0.0	0.004	Test limit low
99116G9	0.014	0.0	0.004	Test limit low
99116G10	1.761	0.0	0.735	
PO4-CCV	1.228	0.0	0.512	
CCB	0.014	0.0	0.004	Test limit low
99116G11	0.017	0.0	0.005	
99116G12	0.008	0.0	0.001	Test limit low
99116G13	0.026	0.0	0.009	
99116G14	0.021	0.0	0.007	
99125G1	0.138	0.0	0.056	
99125G2	0.007	0.0	0.001	Test limit low
99125G2DU	0.182	0.0	0.074	
99125G3	0.022	0.0	0.007	
99125G4	10.690	0.0	4.470	Test limit high
PO4-CCV	1.240	0.0	0.517	
CCB	0.014	0.0	0.004	Test limit low
PO4-CCV	1.236	0.0	0.515	
CCB	0.014	0.0	0.004	Test limit low
99170G1	1.864	1.0	0.388	
99170G1MS	2.885	1.0	0.602	Test limit high
99170G1MSD	2.843	1.0	0.593	Test limit high
99125G4	53.634	9.0	2.242	Test limit high
PO4-CCV	1.238	0.0	0.516	
CCB	0.015	0.0	0.005	Test limit low
PO4-CCV	1.235	0.0	0.515	
CCB	0.014	0.0	0.004	Test limit low
99125G4	82.213	49.0	0.686	Test limit high
PO4-CCV	1.260	0.0	0.525	
CCB	0.016	0.0	0.005	Test limit low

TestAmerica Savannah
Konelab 2

06.03.2014 16:49

Test: Phosphate

Sample Id	Result	Dil. 1 +	Response
N	44		
Mean	3.845		
SD	14.5862		
CV%	379.35		

TestAmerica Savannah
Konelab 2

Date : 2014-01-25
Time : 14.26

Test CR+6
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
CR6-ICV	0.32034		2014-01-25 13.18	
CR6-ICB	0.00255		2014-01-25 13.18	
CR6-CCV	0.18303		2014-01-25 13.35	
CR6-CCB	0.00288		2014-01-25 13.35	
MB 312647/1-A	0.00274		2014-01-25 13.35	R
LCS 312647/2-A	0.16813		2014-01-25 13.35	R
98027A4C	0.00202		2014-01-25 13.35	R
98027A4C PDS	0.17195		2014-01-25 13.35	R
98027A4D DU	0.00214		2014-01-25 13.35	R
98027A4E MS	0.85100	1+1.0	2014-01-25 13.36	R
98027A4G MS	12.57558	1+39.0	2014-01-25 13.36	R
CR6-CCV	0.18345		2014-01-25 13.38	
CR6-CCB	0.00226		2014-01-25 13.38	

TestAmerica Savannah
Konelab 2

25.01.2014 14:26

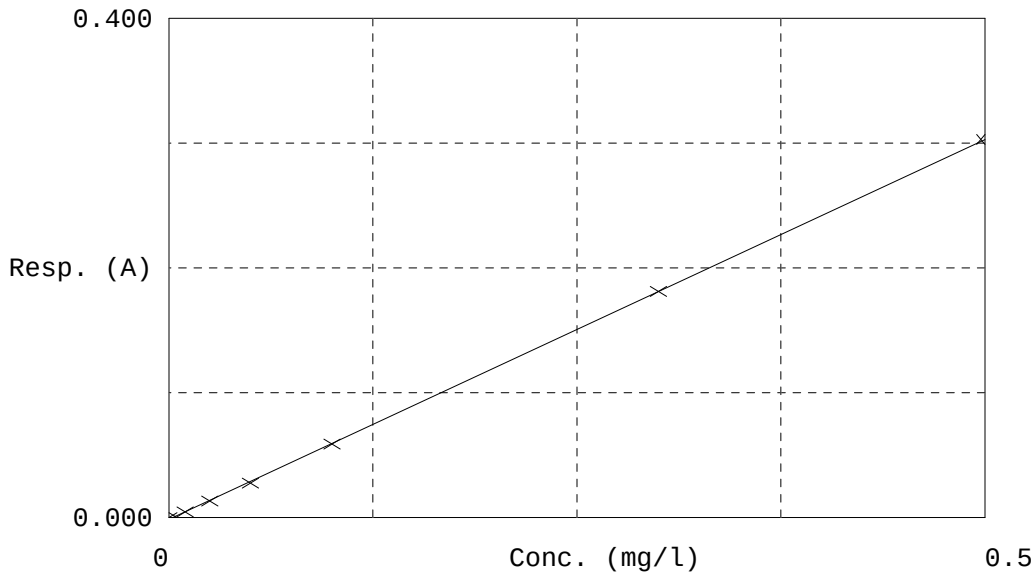
Test CR+6

Accepted 25.01.2014 13:19

Factor 1.642
Bias -0.002

Coeff. of det. 0.999947

Errors Meas. error,QC rule violated



	Calibrator	Response	Calc. con.	Conc.	Errors
1	CR6-0	0.000	0.002599	0.000000	Blank resp. low
2	CR6-2	0.005	0.010223	0.010000	
3	CR6-3	0.013	0.024283	0.025000	
4	CR6-4	0.028	0.048064	0.050000	Blank resp. low
5	CR6-5	0.059	0.099462	0.100000	
6	CR6-6	0.181	0.300090	0.300000	
7	CR6-7	0.303	0.500278	0.500000	Blank resp. low
8	CR6-ICB(control	0.000	0.002551	0.000000	Test limit low, Blank r
9	CR6-ICV(control	0.194	0.320339	0.300000	Blank resp. low

TestAmerica Savannah
Konelab 2

25.01.2014 14:26

Test: CR+6

Sample Id	Result	Dil. 1 +	Response	Errors
CR6-CCV	0.17767	0.0	0.107	Blank resp. low, Rule 1 v
CR6-CCB	0.00111	0.0	0.000	Test limit low, Blank res
MB 312647/1-A	0.00129	0.0	0.000	Test limit low, Blank res
LCS 312647/2-A	0.17440	0.0	0.105	Blank resp. low
98027A4C	0.00129	0.0	0.000	Test limit low
98027A4C PDS	0.19320	0.0	0.117	
98027A4D DU	0.00054	0.0	-0.000	Test limit low
98027A4E MS	0.86718	0.0	0.526	Test limit high
98027A4G MS	9.32596	0.0	5.667	Test limit high
CR6-CCV	0.18022	0.0	0.109	Blank resp. low
CR6-CCB	0.00106	0.0	0.000	Test limit low, Blank res
CR6-CCV	0.18294	0.0	0.111	Blank resp. low
CR6-CCB	0.00099	0.0	-0.000	Test limit low, Blank res
MB 312647/1-A	0.00109	0.0	0.000	Test limit low, Blank res
LCS 312647/2-A	0.17220	0.0	0.104	
98027A4C	0.00087	0.0	-0.000	Test limit low
98027A4C PDS	0.18650	0.0	0.113	
98027A4D DU	0.00034	0.0	-0.000	Test limit low
98027A4E MS	0.85248	1.0	0.258	Test limit high
98027A4G MS	12.24742	39.0	0.185	Test limit high
CR6-CCV	0.17968	0.0	0.109	Blank resp. low, Rule 1 v
CR6-CCB	0.00089	0.0	-0.000	Test limit low, Blank res
CR6-ICV	0.31889	0.0	0.192	Blank resp. low
CR6-ICB	0.00390	0.0	0.000	Blank resp. low, Rule 1 v
CR6-ICV	0.32149	0.0	0.192	Blank resp. low
CR6-ICB	0.00737	0.0	-0.000	Blank resp. low, Rule 1 v
CR6-ICV	0.32034	0.0	0.194	Blank resp. low
CR6-ICB	0.00255	0.0	0.000	Test limit low, Blank res
CR6-CCV	0.18303	0.0	0.110	Blank resp. low
CR6-CCB	0.00288	0.0	0.000	Test limit low, Blank res
MB 312647/1-A	0.00274	0.0	0.000	Test limit low, Blank res
LCS 312647/2-A	0.16813	0.0	0.101	Blank resp. low
98027A4C	0.00202	0.0	-0.000	Test limit low
98027A4C PDS	0.17195	0.0	0.103	
98027A4D DU	0.00214	0.0	-0.000	Test limit low
98027A4E MS	0.85100	1.0	0.258	Test limit high
98027A4G MS	12.57558	39.0	0.190	Test limit high
CR6-CCV	0.18345	0.0	0.110	Blank resp. low
CR6-CCB	0.00226	0.0	-0.000	Test limit low, Blank res

N	21
Mean	1.79992
SD	4.058799
CV%	225.50

TestAmerica Savannah
Konelab 2

Date : 2014-03-06
Time : 16.10

Test CR+6
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
CR6-CCV	0.20181		2014-03-06 13.39	
CR6-CCB	0.00275		2014-03-06 13.39	
99170K4	0.00299		2014-03-06 13.39	
99170K4MS	0.20808		2014-03-06 13.39	
98442A9	0.00843		2014-03-06 13.39	
CR6-CCV	0.20210		2014-03-06 13.40	
CR6-CCB	0.00256		2014-03-06 13.40	
CR6-CCV	0.20232		2014-03-06 13.55	
CR6-CCB	0.00239		2014-03-06 13.55	
99170K4MSD	0.20920		2014-03-06 13.55	R
CR6-CCV	0.20077		2014-03-06 13.56	
CR6-CCB	0.00251		2014-03-06 13.56	

TestAmerica Savannah
Konelab 2

06.03.2014 16:16

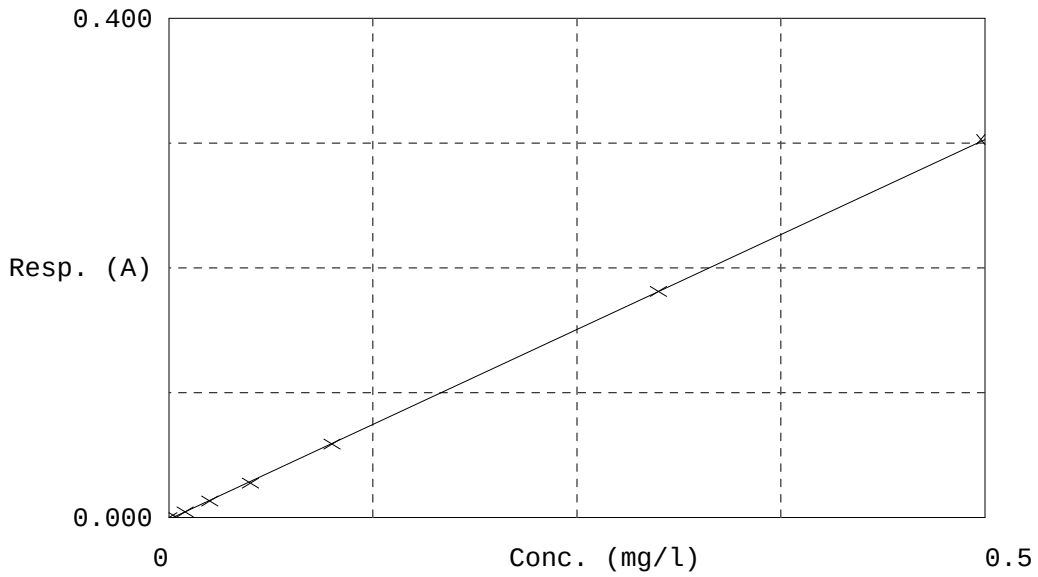
Test CR+6

Accepted 25.01.2014 13:19

Factor 1.642
Bias -0.002

Coeff. of det. 0.999947

Errors Meas. error



	Calibrator	Response	Calc. con.	Conc.	Errors
1	CR6-0	0.000	0.002599	0.000000	Blank resp. low
2	CR6-2	0.005	0.010223	0.010000	
3	CR6-3	0.013	0.024283	0.025000	
4	CR6-4	0.028	0.048064	0.050000	Blank resp. low
5	CR6-5	0.059	0.099462	0.100000	
6	CR6-6	0.181	0.300090	0.300000	
7	CR6-7	0.303	0.500278	0.500000	Blank resp. low

TestAmerica Savannah
Konelab 2

06.03.2014 16:16

Test: CR+6

Sample Id	Result	Dil. 1 +	Response	Errors
CR6-CCV	0.20181	0.0	0.121	
CR6-CCB	0.00275	0.0	0.000	Test limit low
99170K4	0.00299	0.0	0.000	Test limit low
99170K4MS	0.20808	0.0	0.125	
99170K4MSD	0.26669	0.0	0.161	
98442A9	0.00843	0.0	0.004	
CR6-CCV	0.20210	0.0	0.122	
CR6-CCB	0.00256	0.0	0.000	Test limit low
CR6-CCV	0.20232	0.0	0.122	
CR6-CCB	0.00239	0.0	-0.000	Test limit low
99170K4MSD	0.20920	0.0	0.126	
CR6-CCV	0.20077	0.0	0.121	
CR6-CCB	0.00251	0.0	-0.000	Test limit low

N	5
Mean	0.13908
SD	0.124048
CV%	89.19

PC-TitratION PLUS

Water Analysis Report

Run Number 6657 **Order Number** 20140315-1

SampleID	RunDate	RunTime	cond (uS)	Salinity	Resistivity	pH	palk-ppm	talk-ppm	bcarb-ppm	carb-ppm	hydr-ppm	F-ppm	Temp	Acidity	FCO2	Vol of NaOH (8.3)	Vol of H2SO4 (8.3)	Vol of H2SO4 (4.5)	Vol of H2SO4 (4.2)
tap h2o	3/15/2014	11:02 AM	315.00	.00	0.0032	7.70	.00	110.47	109.93	.52	.03	-1.00	21.09	-1.00	4.35	-1.00	0.000	2.762	2.841
DI	3/15/2014	11:07 AM	.00	.00	-0.7463	5.57	.00	.00	.00	.00	.00	-1.00	20.30	-1.00	.02	-1.00	0.000	0.026	0.052
ph icv	3/15/2014	11:19 AM	-1.00	-1.00	-1.0000	6.96	-1.00	-1.00	-1.00	.00	.00	-1.00	19.79	-1.00	-.22	-1.00	-1.000	-1.000	-1.000
di	3/15/2014	11:25 AM	.00	.00	-1.5385	6.22	.00	.65	.64	.00	.00	-1.00	19.51	-1.00	.77	-1.00	0.000	0.047	0.078
mb	3/15/2014	11:31 AM	.00	.00	-0.8772	5.68	.00	.21	.20	.00	.00	-1.00	19.84	-1.00	.86	-1.00	0.000	0.033	0.061
lcs	3/15/2014	11:38 AM	582.00	.00	0.0017	10.45	105.15	213.70	54.70	144.91	14.09	-1.00	19.98	-1.00	.00	-1.00	2.629	5.343	5.397
680-99168-c-8	3/15/2014	11:48 AM	736.00	.00	0.0014	8.17	.00	327.58	323.06	4.45	.07	-1.00	18.96	-1.00	4.41	-1.00	0.000	8.190	9.079
680-99168-c-7	3/15/2014	11:55 AM	1,012.00	.00	0.0010	6.20	.00	370.32	370.27	.05	.00	-1.00	18.81	-1.00	472.42	-1.00	0.000	9.258	11.285
680-99168-c-2	3/15/2014	12:01 PM	90.10	.00	0.0111	6.55	.00	26.51	26.50	.01	.00	-1.00	18.76	-1.00	15.06	-1.00	0.000	0.663	0.700
680-99168-c-4	3/15/2014	12:07 PM	220.00	.00	0.0045	7.15	.00	86.53	86.41	.11	.01	-1.00	18.77	-1.00	12.34	-1.00	0.000	2.163	2.213
680-99168-c-1	3/15/2014	12:14 PM	187.60	.00	0.0053	7.14	.00	75.79	75.68	.10	.01	-1.00	19.48	-1.00	11.02	-1.00	0.000	1.895	1.942
680-99168-c-6	3/15/2014	12:23 PM	1,023.00	.00	0.0010	6.29	.00	356.39	356.32	.06	.00	-1.00	20.49	-1.00	369.60	-1.00	0.000	8.910	10.708
680-99220-c-2	3/15/2014	12:28 PM	166.00	.00	0.0060	6.15	.00	39.10	39.09	.01	.00	-1.00	20.49	-1.00	55.09	-1.00	0.000	0.977	1.021
680-99220-c-2DU	3/15/2014	12:34 PM	166.50	.00	0.0060	6.15	.00	39.24	39.23	.01	.00	-1.00	20.37	-1.00	55.60	-1.00	0.000	0.981	1.027
CCVph	3/15/2014	12:38 PM	-1.00	-1.00	-1.0000	7.07	-1.00	-1.00	-1.00	.00	.01	-1.00	20.38	-1.00	-.17	-1.00	-1.000	-1.000	-1.000
680-99168-c-5	3/15/2014	12:43 PM	138.50	.00	0.0072	6.30	.00	35.14	35.14	.01	.00	-1.00	20.01	-1.00	35.01	-1.00	0.000	0.879	0.915
680-99168-c-3	3/15/2014	12:50 PM	224.00	.00	0.0045	7.21	.00	85.18	85.04	.13	.01	-1.00	19.72	-1.00	10.38	-1.00	0.000	2.130	2.177
680-99220-c-3	3/15/2014	12:56 PM	168.70	.00	0.0059	6.63	.00	58.12	58.10	.02	.00	-1.00	19.76	-1.00	27.03	-1.00	0.000	1.453	1.500
680-99220-c-4	3/15/2014	1:01 PM	141.90	.00	0.0070	6.01	.00	35.82	35.82	.00	.00	-1.00	19.89	-1.00	70.22	-1.00	0.000	0.896	0.939
680-99220-a-1	3/15/2014	1:08 PM	482.00	.00	0.0021	7.85	.00	171.22	170.05	1.14	.04	-1.00	20.33	-1.00	4.78	-1.00	0.000	4.281	4.348
180-30365-a-1	3/15/2014	1:15 PM	331.00	.00	0.0030	7.57	.00	34.05	33.91	.12	.02	-1.00	21.08	-1.00	1.84	-1.00	0.000	0.851	0.891
680-99170-b-2	3/15/2014	1:25 PM	14,470.00	.00	0.0001	6.50	.00	572.64	572.47	.17	.00	-1.00	21.05	-1.00	361.94	-1.00	0.000	14.316	14.603
680-99170-b-4	3/15/2014	1:33 PM	1,986.00	.00	0.0005	7.79	.00	385.20	382.93	2.23	.03	-1.00	21.12	-1.00	12.36	-1.00	0.000	9.630	9.750
680-99170-b-8	3/15/2014	1:43 PM	11,480.00	.00	0.0001	7.40	.00	639.29	637.77	1.51	.01	-1.00	20.96	-1.00	50.73	-1.00	0.000	15.982	16.198
680-99170-b-8DU	3/15/2014	1:52 PM	11,800.00	.00	0.0001	7.43	.00	591.50	590.00	1.48	.01	-1.00	20.98	-1.00	44.11	-1.00	0.000	14.788	14.996
CCV	3/15/2014	1:56 PM	-1.00	-1.00	-1.0000	7.08	-1.00	-1.00	-1.00	.00	.01	-1.00	20.87	-1.00	-.17	-1.00	-1.000	-1.000	-1.000
680-99170-b-1	3/15/2014	2:07 PM	5,360.00	.00	0.0002	8.55	36.91	778.13	752.95	25.01	.18	-1.00	20.52	-1.00	4.26	-1.00	0.923	19.453	20.072

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Run Number 6657 **Order Number** 20140315-1

SampleID	RunDate	RunTime	cond (uS)	Salinity	Resistivity	pH	palk-ppm	talk-ppm	bcarb-ppm	carb-ppm	hydr-ppm	F-ppm	Temp	Acidity	FCO2	Vol of NaOH (8.3)	Vol of H2SO4 (8.3)	Vol of H2SO4 (4.5)	Vol of H2SO4 (4.2)
680-99170-b-7	3/15/2014	2:16 PM	12,770.00	.00	0.0001	6.72	.00	322.54	322.38	.16	.00	-1.00	20.94	-1.00	123.45	-1.00	0.000	8.063	8.179
680-99170-b-3	3/15/2014	2:28 PM	7,580.00	.00	0.0001	9.56	337.34	962.68	715.98	244.88	1.82	-1.00	21.16	-1.00	.39	-1.00	8.433	24.067	25.274
680-99170-b-6	3/15/2014	2:35 PM	1,551.00	.00	0.0006	7.96	.00	138.59	137.37	1.18	.05	-1.00	21.73	-1.00	3.01	-1.00	0.000	3.465	3.567
CCV	3/15/2014	2:39 PM	-1.00	-1.00	-1.0000	7.07	-1.00	-1.00	-1.00	.00	.01	-1.00	21.45	-1.00	-.17	-1.00	-1.000	-1.000	-1.000
LCSD	3/15/2014	2:46 PM	589.00	.00	0.0017	10.39	109.98	235.94	68.07	155.70	12.17	-1.00	21.18	-1.00	.01	-1.00	2.749	5.898	5.969

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PC-TitratION PLUS
Calibration Report

Calibration Record # 2179

Calibration Settings

Calibration ID	PH CAL 4-7-10	Date	3/15/2014	
Channel	1	Time	11:16 AM	
Probe Type	pH	Temperature	293.15 K	20.00 C
Probe ID	PH ELECTRODE	Analysis Type	Single Line Fit	

Calibration Results

Slope	-58.633	CorrCoeff	0.9998
Intercept	12.207	Equation: Y = (-58.633) X + (12.207)	

Calibration Validity **True** Operator

	Result	Minimum	Maximum
Slope	-58.633	-65.00	-53.00
Intercept	12.207	-100.00	100.00
Correlation Coefficient	0.9998	0.99	1.00

Note: "True" means the calibration was within the specified ranges
"False" means the calibration was NOT within the specified ranges

Calibration Data	**Standard**	**Reading**
	4.00	190.06
	7.00	8.30
	10.00	-161.74

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	Sample Name	Sample ID	Dilution	Result	Action	Date / Time	Vial
1	ICV		1.000	NPOC:19.25mg/L		3/5/2014 8:52	1
2	ICB		1.000	NPOC:0.1476mg/L		3/5/2014 9:08	2
3	BICARB		1.000	NPOC:2.312mg/L		3/5/2014 9:36	3
4	RLV		1.000	NPOC:1.199mg/L		3/5/2014 9:53	4
5	LCS	415	1.000	NPOC:19.05mg/L		3/5/2014 10:0	5
6	LCSD		1.000	NPOC:18.90mg/L		3/5/2014 10:1	5
7	680-99066-a-1	10	1.000	NPOC:79.84mg/L		3/5/2014 10:3	6
8	LCS	415TC	1.000	TC:20.09mg/L		3/5/2014 10:4	7
9	LCSD	415TC	1.000	TC:19.58mg/L		3/5/2014 10:5	7
10	MB		1.000	TC:0.5780mg/L		3/5/2014 11:0	8
11	680-98834-t-1		1.000	TC:6.962mg/L		3/5/2014 11:1	9
12	MB		1.000	!!Failed!! TC:-0.4422m		3/5/2014 11:3	8
13	CCV		1.000	NPOC:49.43mg/L		3/5/2014 11:4	19
14	CCB		1.000	NPOC:0.3284mg/L		3/5/2014 12:0	20
15	CCV		1.000	NPOC:49.55mg/L		3/5/2014 12:1	10
16	CCB		1.000	NPOC:0.2646mg/L		3/5/2014 12:3	11
17	LCS	9060	1.000	NPOC:19.40mg/L		3/5/2014 12:5	12
18	680-98888-c-2		1.000	NPOC:1.556mg/L		3/5/2014 1:10	13
19	680-98888-d-3		1.000	NPOC:2.658mg/L		3/5/2014 1:28	14
20	680-98888-e-3 MS		1.000	NPOC:21.01mg/L		3/5/2014 1:45	15
21	680-98888-e-3 MSD		1.000	NPOC:20.82mg/L		3/5/2014 1:58	15
22	680-98888-d-4		1.000	NPOC:2.376mg/L		3/5/2014 2:16	16
23	680-98888-c-5		1.000	NPOC:4.203mg/L		3/5/2014 2:35	17
24	680-98888-d-7	10	1.000	NPOC:576.0mg/L		3/5/2014 2:52	18
25	CCV		1.000	NPOC:50.12mg/L		3/5/2014 3:11	10
26	CCB		1.000	NPOC:0.3102mg/L		3/5/2014 3:29	11

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	ICV
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

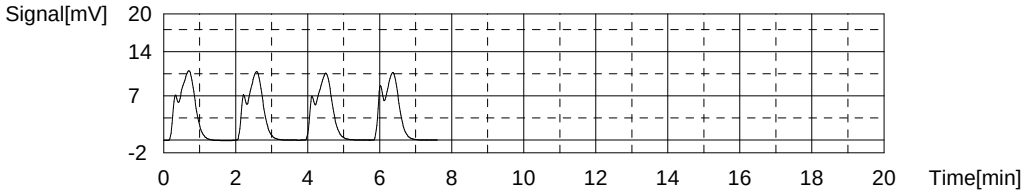
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.25mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.28	20.21mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:46:09 AM
2	34.66	19.29mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:48:12 AM
3	34.79	19.36mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:50:15 AM
4	34.33	19.10mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:52:18 AM

Mean Area 34.59
Mean Conc. 19.25mg/L



Sample

Sample Name:	ICB
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

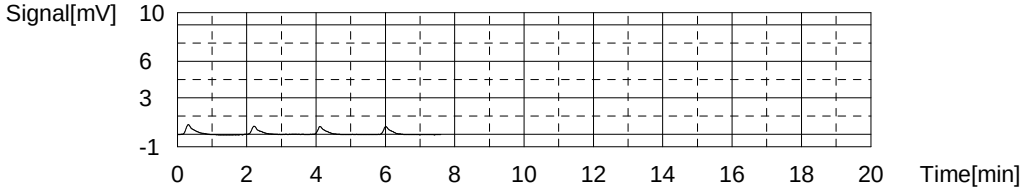
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1476mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.332	0.3589mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:02:34 AM
2	0.9938	0.1668mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:04:37 AM
3	0.9874	0.1632mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:06:40 AM
4	0.8988	0.1129mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:08:43 AM

Mean Area 0.9600
Mean Conc. 0.1476mg/L



Sample

Sample Name: BICARB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

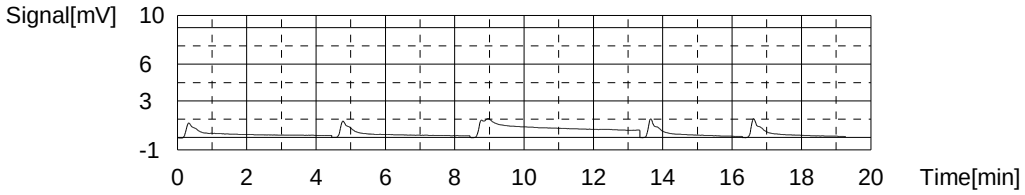
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.312mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.889	2.947mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:21:18 AM
2	4.989	2.436mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:25:25 AM
3	14.57	7.878mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:30:28 AM
4	4.658	2.248mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:33:35 AM
5	4.663	2.251mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:36:42 AM

Mean Area 4.770
Mean Conc. 2.312mg/L



Sample

Sample Name: RLV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

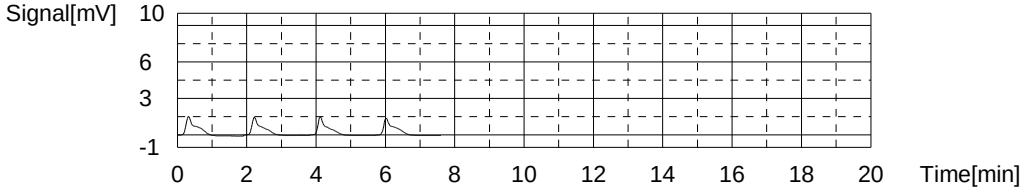
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.199mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.062	1.342mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:46:51 AM
2	2.824	1.206mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:48:54 AM
3	2.742	1.160mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:50:57 AM
4	2.868	1.231mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:53:00 AM

Mean Area 2.811
Mean Conc. 1.199mg/L



Sample

Sample Name: LCS
Sample ID: 415
Origin: TOC415.1A.met
Status Completed
Chk. Result

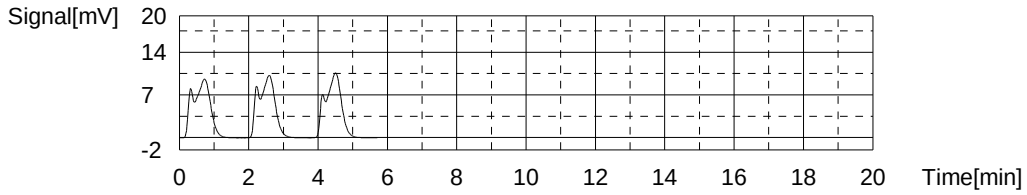
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.05mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.17	19.01mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:03:15 AM
2	34.34	19.11mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:05:18 AM
3	34.23	19.04mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:07:21 AM

Mean Area 34.25
Mean Conc. 19.05mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

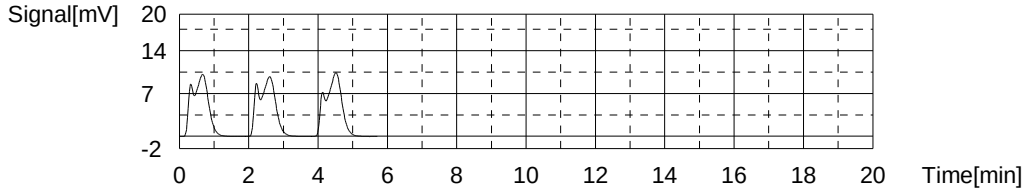
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.90mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.40	18.57mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:14:09 AM
2	34.17	19.01mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:16:12 AM
3	34.35	19.11mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:18:15 AM

Mean Area 33.97
Mean Conc. 18.90mg/L



Sample

Sample Name: 680-99066-a-1
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

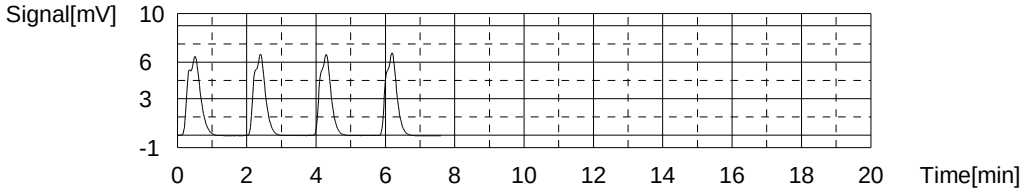
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:79.84mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.98	86.79mg/L	50uL	10	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:29:12 AM
2	15.04	81.45mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:31:15 AM
3	14.47	78.21mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:33:18 AM
4	14.76	79.86mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:35:21 AM

Mean Area 14.76
Mean Conc. 79.84mg/L



Sample

Sample Name: LCS
Sample ID: 415TC
Origin: TC415.1.met
Status Completed
Chk. Result

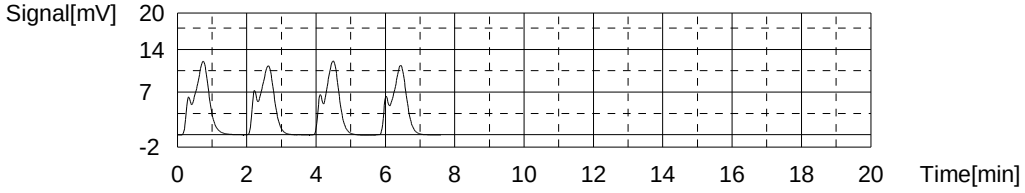
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:20.09mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.89	21.12mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:41:12 AM
2	36.44	20.30mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:43:16 AM
3	36.35	20.25mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:45:19 AM
4	35.43	19.73mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:47:22 AM

Mean Area 36.07
Mean Conc. 20.09mg/L



Sample

Sample Name: LCSD
Sample ID: 415TC
Origin: TC415.1.met
Status Completed
Chk. Result

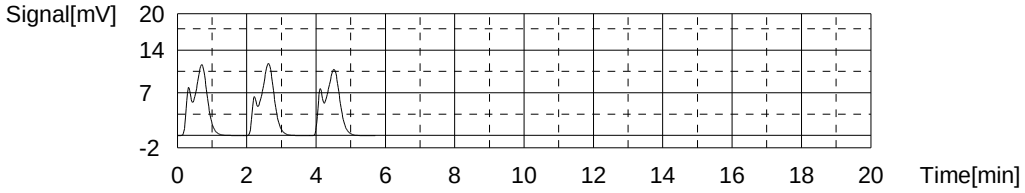
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:19.58mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.30	19.65mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:51:24 AM
2	35.29	19.65mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:53:27 AM
3	34.91	19.43mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:55:31 AM

Mean Area 35.17
Mean Conc. 19.58mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TC415.1.met
Status Completed
Chk. Result

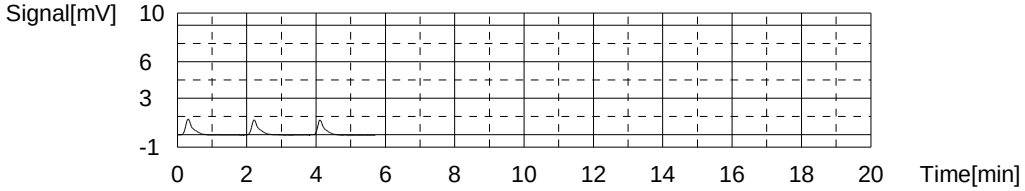
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:0.5780mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.801	0.6253mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:01:23 AM
2	1.689	0.5617mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:03:26 AM
3	1.663	0.5469mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:05:29 AM

Mean Area 1.718
Mean Conc. 0.5780mg/L



Sample

Sample Name: 680-98834-t-1
Sample ID:
Origin: TC415.1.met
Status Completed
Chk. Result

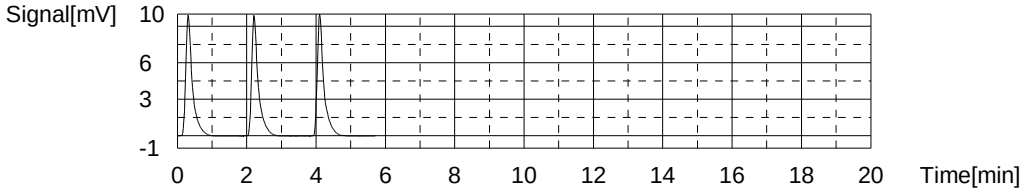
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:6.962mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.93	6.946mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:11:22 AM
2	12.97	6.969mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:13:25 AM
3	12.97	6.969mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:15:28 AM

Mean Area 12.96
Mean Conc. 6.962mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TC415.1.met
Status Completed
Chk. Result

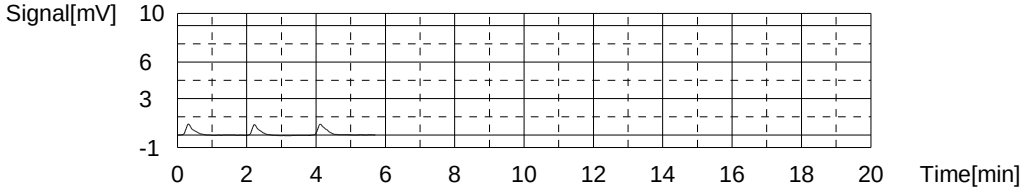
Type	Anal.	Dil.	Result
Unknown	TC	1.000	!!Failed!! TC:-0.4422mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.330	-0.4667mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/5/2014 11:26:33 AM
2	1.311	-0.4776mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/5/2014 11:28:36 AM
3	1.477	-0.3824mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/5/2014 11:30:40 AM

Mean Area 1.373
Mean Conc. -0.4422mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

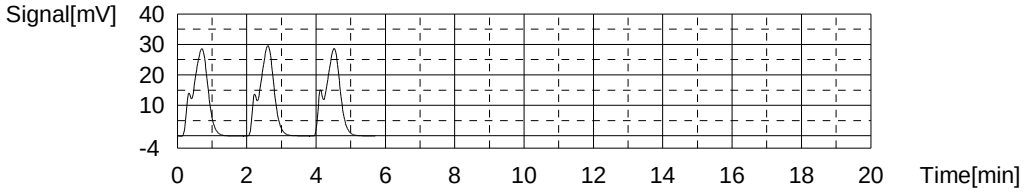
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.43mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.51	49.31mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:40:48 AM
2	87.86	49.51mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:42:52 AM
3	87.83	49.49mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:44:55 AM

Mean Area 87.73
Mean Conc. 49.43mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

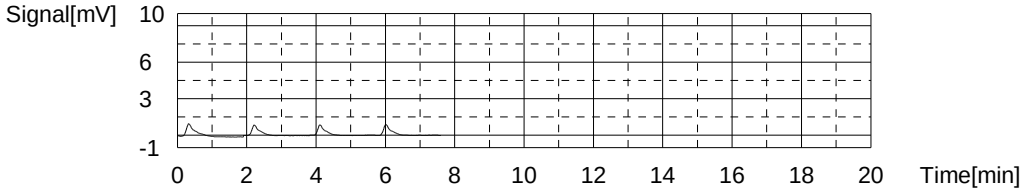
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3284mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.768	0.6066mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:54:58 AM
2	1.281	0.3300mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:57:02 AM
3	1.248	0.3112mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:59:05 AM
4	1.306	0.3442mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:01:08 PM

Mean Area 1.278
Mean Conc. 0.3284mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

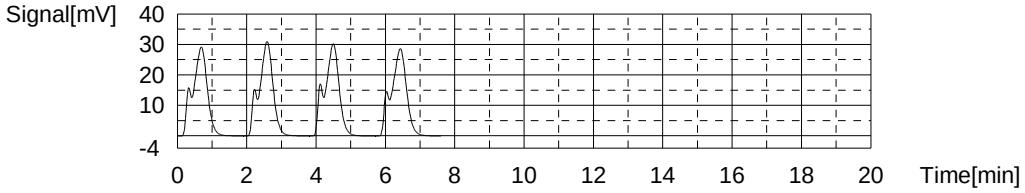
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.55mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.13	48.52mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:11:33 PM
2	87.85	49.50mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:13:36 PM
3	89.12	50.22mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:15:40 PM
4	88.67	49.97mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:17:43 PM

Mean Area 87.94
Mean Conc. 49.55mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

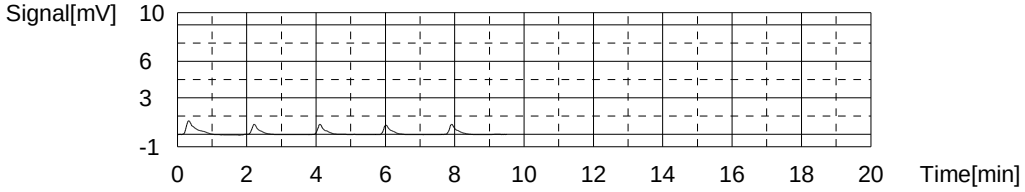
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2646mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.161	0.8298mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:27:58 PM
2	1.162	0.2624mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:30:02 PM
3	1.151	0.2561mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:32:05 PM
4	1.127	0.2425mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:34:08 PM
5	1.224	0.2976mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:36:11 PM

Mean Area 1.166
Mean Conc. 0.2646mg/L



Sample

Sample Name: LCS
Sample ID: 9060
Origin: TOC9060.met
Status Completed
Chk. Result

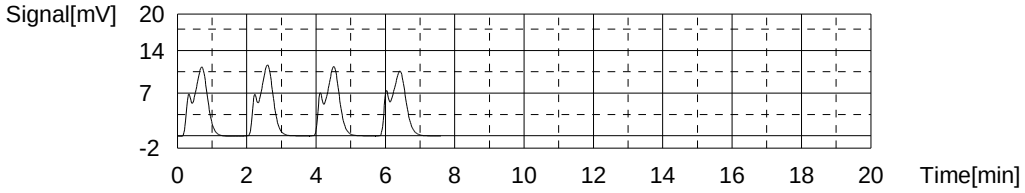
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.40mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.78	19.36mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:46:07 PM
2	34.78	19.36mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:48:11 PM
3	34.87	19.41mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:50:15 PM
4	35.00	19.48mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:52:18 PM

Mean Area 34.86
Mean Conc. 19.40mg/L



Sample

Sample Name: 680-98888-c-2
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

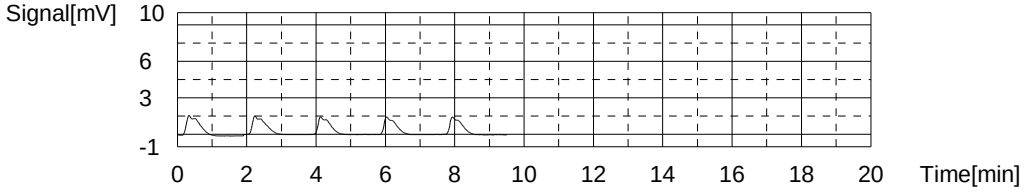
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.556mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.139	1.953mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:02:20 PM
2	3.856	1.793mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:04:23 PM
3	3.355	1.508mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:06:26 PM
4	3.288	1.470mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:08:29 PM
5	3.261	1.455mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:10:32 PM

Mean Area 3.440
Mean Conc. 1.556mg/L



Sample

Sample Name: 680-98888-d-3
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

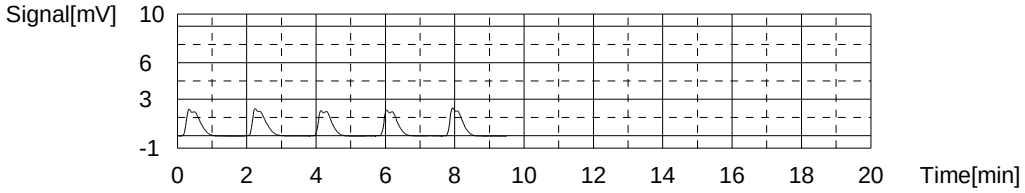
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.658mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.631	2.801mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:20:43 PM
2	5.585	2.775mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:22:47 PM
3	5.289	2.606mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:24:50 PM
4	5.243	2.580mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:26:53 PM
5	5.399	2.669mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:28:56 PM

Mean Area 5.379
Mean Conc. 2.658mg/L



Sample

Sample Name: 680-98888-e-3 MS
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

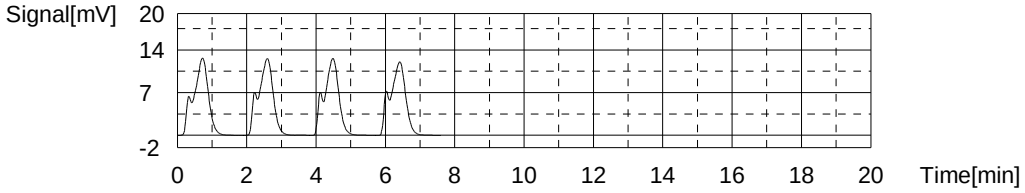
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.01mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.92	21.14mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:39:06 PM
2	37.77	21.06mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:41:10 PM
3	37.27	20.77mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:43:13 PM
4	37.79	21.07mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:45:16 PM

Mean Area 37.69
Mean Conc. 21.01mg/L



Sample

Sample Name: 680-98888-e-3 MSD
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

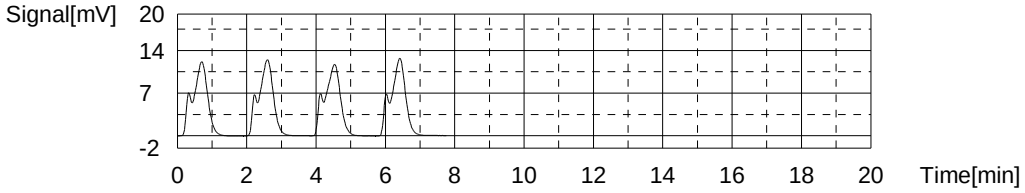
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.82mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.77	20.49mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:52:01 PM
2	37.09	20.67mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:54:04 PM
3	37.55	20.93mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:56:07 PM
4	38.02	21.20mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:58:19 PM

Mean Area 37.36
Mean Conc. 20.82mg/L



Sample

Sample Name: 680-98888-d-4
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

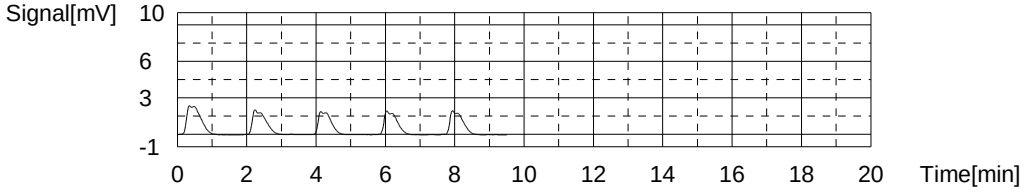
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.376mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.460	3.272mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:08:35 PM
2	5.187	2.549mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:10:38 PM
3	4.673	2.257mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:12:41 PM
4	4.808	2.333mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:14:44 PM
5	4.864	2.365mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:16:50 PM

Mean Area 4.883
Mean Conc. 2.376mg/L



Sample

Sample Name: 680-98888-c-5
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

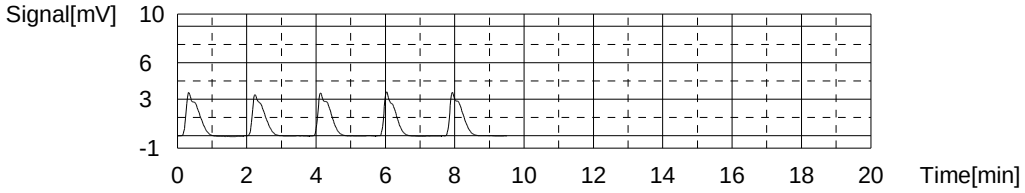
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.203mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.339	4.339mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:27:19 PM
2	7.637	3.940mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:29:23 PM
3	8.225	4.274mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:31:27 PM
4	7.555	3.894mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:33:30 PM
5	8.197	4.258mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:35:34 PM

Mean Area 8.100
Mean Conc. 4.203mg/L



Sample

Sample Name: 680-98888-d-7
Sample ID: 10
Origin: TOC9060.met
Status Completed
Chk. Result

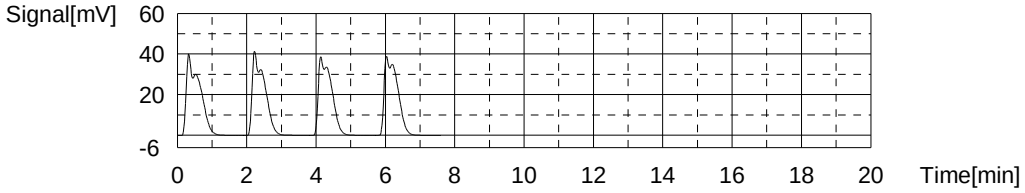
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:576.0mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	104.6	590.1mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:46:26 PM
2	101.1	570.3mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:48:29 PM
3	99.92	563.6mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:50:33 PM
4	102.8	579.9mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:52:36 PM

Mean Area 102.1
Mean Conc. 576.0mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

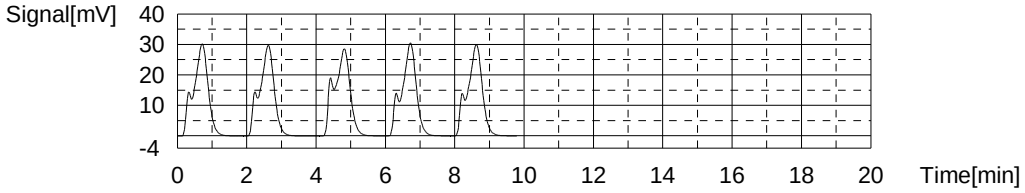
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.12mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	89.06	50.19mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:02:50 PM
2	87.58	49.35mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:05:10 PM
3	92.43	52.10mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:07:13 PM
4	89.67	50.53mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:09:16 PM
5	89.43	50.40mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:11:20 PM

Mean Area 88.94
Mean Conc. 50.12mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

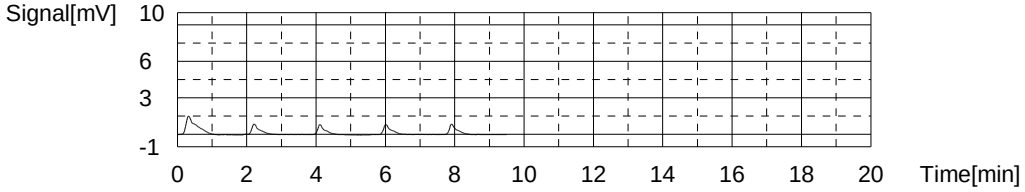
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3102mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.186	1.412mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:21:29 PM
2	1.297	0.3390mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:23:32 PM
3	1.150	0.2555mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:25:36 PM
4	1.258	0.3169mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:27:39 PM
5	1.280	0.3294mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:29:42 PM

Mean Area 1.246
Mean Conc. 0.3102mg/L



	Sample Name	Sample ID	Dilution	Result	Action	Date / Time	Vial
1	TC	TC	1.000			3/4/2014 4:59	1, 2, 3, 4, 5, 6

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Cal. Curve

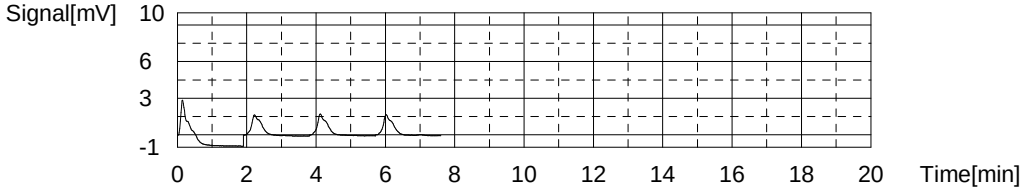
Sample Name:	TC
Sample ID:	TC
Cal. Curve:	TOCCURVE100.2014_03_04_15_36_53.cal
Status	Completed

Type	Anal.
Standard	TC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.000	50uL	1	*******	E	3/4/2014 3:41:51 PM
2	3.107	50uL	1	*******		3/4/2014 3:44:03 PM
3	3.067	50uL	1	*******		3/4/2014 3:46:07 PM
4	2.960	50uL	1	*******		3/4/2014 3:48:10 PM

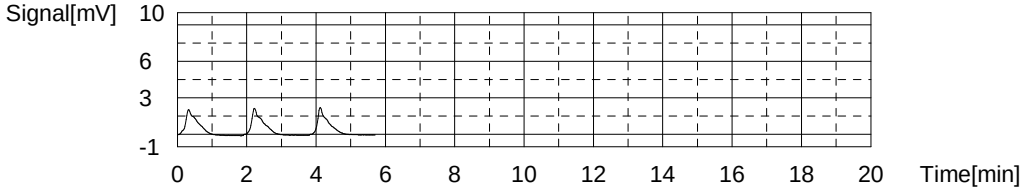
Acid Add. 0.000%
Mean Area 3.045



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.586	50uL	1	*******		3/4/2014 3:54:01 PM
2	4.661	50uL	1	*******		3/4/2014 3:56:05 PM
3	4.521	50uL	1	*******		3/4/2014 3:58:08 PM

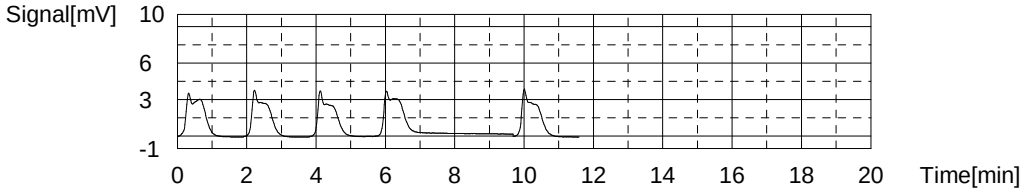
Acid Add. 0.000%
Mean Area 4.589



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	11.18	50uL	1	*******		3/4/2014 4:04:01 PM
2	11.20	50uL	1	*******		3/4/2014 4:06:04 PM
3	10.77	50uL	1	*******	E	3/4/2014 4:08:15 PM
4	14.08	50uL	1	*******	E	3/4/2014 4:12:23 PM
5	11.13	50uL	1	*******		3/4/2014 4:14:27 PM

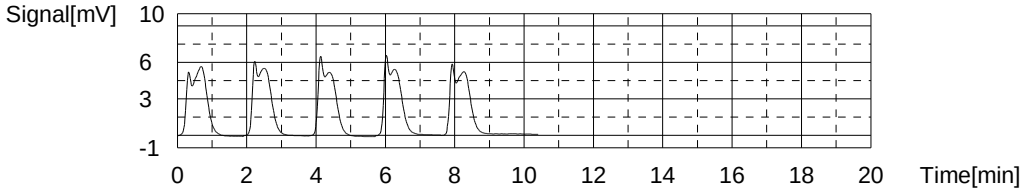
Acid Add. 0.000%
Mean Area 11.17



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	20.19	50uL	1	*******		3/4/2014 4:20:13 PM
2	19.81	50uL	1	*******		3/4/2014 4:22:17 PM
3	18.98	50uL	1	*******	E	3/4/2014 4:24:20 PM
4	19.10	50uL	1	*******	E	3/4/2014 4:26:23 PM
5	20.47	50uL	1	*******		3/4/2014 4:29:21 PM

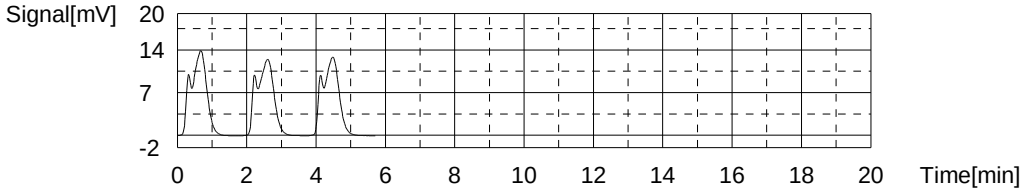
Acid Add. 0.000%
Mean Area 20.16



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	44.55	50uL	1	*******		3/4/2014 4:35:07 PM
2	43.46	50uL	1	*******		3/4/2014 4:37:11 PM
3	43.06	50uL	1	*******		3/4/2014 4:39:14 PM

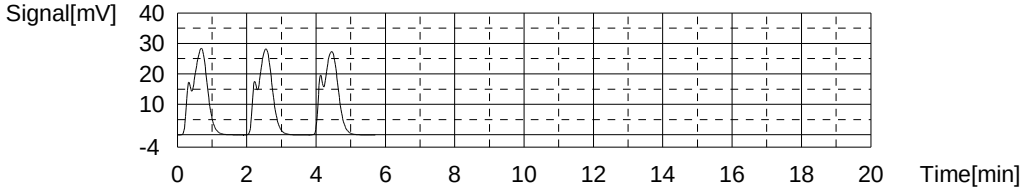
Acid Add. 0.000%
Mean Area 43.69



Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	89.41	50uL	1	*******		3/4/2014 4:45:07 PM
2	86.36	50uL	1	*******		3/4/2014 4:47:10 PM
3	87.07	50uL	1	*******		3/4/2014 4:49:14 PM

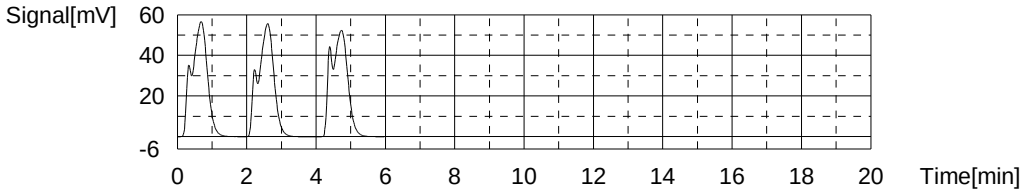
Acid Add. 0.000%
Mean Area 87.61



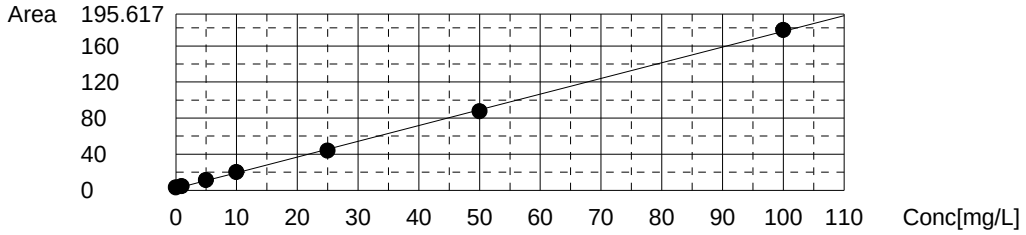
Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	179.9	50uL	1	*******		3/4/2014 4:55:07 PM
2	177.0	50uL	1	*******		3/4/2014 4:57:26 PM
3	176.6	50uL	1	*******		3/4/2014 4:59:29 PM

Acid Add. 0.000%
Mean Area 177.8



Slope:	1.744
Intercept	2.144
r^2	0.999567
r	0.999783
Zero Shift	No



	Sample Name	Sample ID	Dilution	Result	Action	Date / Time	Vial
1	ICV		1.000	NPOC:19.25mg/L		3/5/2014 8:52	1
2	ICB		1.000	NPOC:0.1476mg/L		3/5/2014 9:08	2
3	BICARB		1.000	NPOC:2.312mg/L		3/5/2014 9:36	3
4	RLV		1.000	NPOC:1.199mg/L		3/5/2014 9:53	4
5	LCS	415	1.000	NPOC:19.05mg/L		3/5/2014 10:0	5
6	LCSD		1.000	NPOC:18.90mg/L		3/5/2014 10:1	5
7	680-99066-a-1	10	1.000	NPOC:79.84mg/L		3/5/2014 10:3	6
8	LCS	415TC	1.000	TC:20.09mg/L		3/5/2014 10:4	7
9	LCSD	415TC	1.000	TC:19.58mg/L		3/5/2014 10:5	7
10	MB		1.000	TC:0.5780mg/L		3/5/2014 11:0	8
11	680-98834-t-1		1.000	TC:6.962mg/L		3/5/2014 11:1	9
12	MB		1.000	!!Failed!! TC:-0.4422m		3/5/2014 11:3	8
13	CCV		1.000	NPOC:49.43mg/L		3/5/2014 11:4	19
14	CCB		1.000	NPOC:0.3284mg/L		3/5/2014 12:0	20
15	CCV		1.000	NPOC:49.55mg/L		3/5/2014 12:1	10
16	CCB		1.000	NPOC:0.2646mg/L		3/5/2014 12:3	11
17	LCS	9060	1.000	NPOC:19.40mg/L		3/5/2014 12:5	12
18	680-98888-c-2		1.000	NPOC:1.556mg/L		3/5/2014 1:10	13
19	680-98888-d-3		1.000	NPOC:2.658mg/L		3/5/2014 1:28	14
20	680-98888-e-3 MS		1.000	NPOC:21.01mg/L		3/5/2014 1:45	15
21	680-98888-e-3 MSD		1.000	NPOC:20.82mg/L		3/5/2014 1:58	15
22	680-98888-d-4		1.000	NPOC:2.376mg/L		3/5/2014 2:16	16
23	680-98888-c-5		1.000	NPOC:4.203mg/L		3/5/2014 2:35	17
24	680-98888-d-7	10	1.000	NPOC:576.0mg/L		3/5/2014 2:52	18
25	CCV		1.000	NPOC:50.12mg/L		3/5/2014 3:11	10
26	CCB		1.000	NPOC:0.3102mg/L		3/5/2014 3:29	11

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	ICV
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

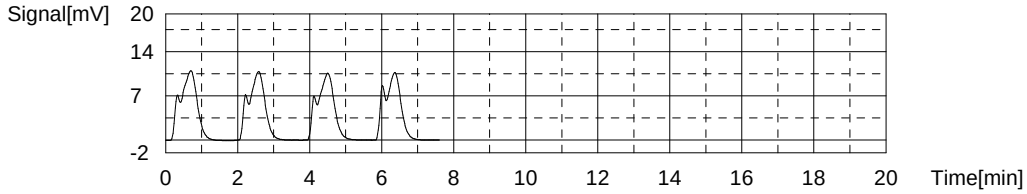
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.25mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.28	20.21mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:46:09 AM
2	34.66	19.29mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:48:12 AM
3	34.79	19.36mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:50:15 AM
4	34.33	19.10mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:52:18 AM

Mean Area 34.59
Mean Conc. 19.25mg/L



Sample

Sample Name:	ICB
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

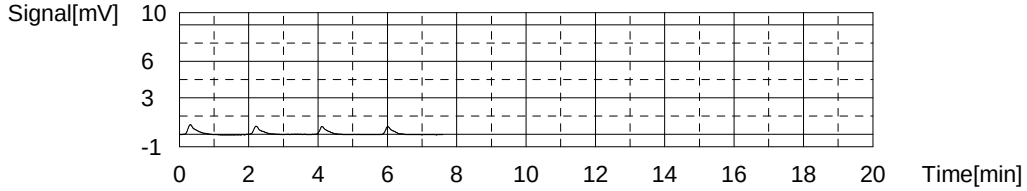
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1476mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.332	0.3589mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:02:34 AM
2	0.9938	0.1668mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:04:37 AM
3	0.9874	0.1632mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:06:40 AM
4	0.8988	0.1129mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:08:43 AM

Mean Area 0.9600
Mean Conc. 0.1476mg/L



Sample

Sample Name: BICARB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

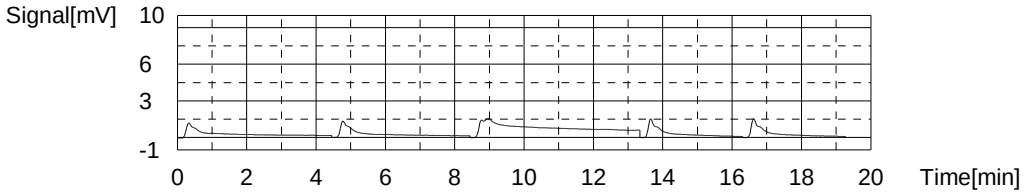
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.312mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.889	2.947mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:21:18 AM
2	4.989	2.436mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:25:25 AM
3	14.57	7.878mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:30:28 AM
4	4.658	2.248mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:33:35 AM
5	4.663	2.251mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:36:42 AM

Mean Area 4.770
Mean Conc. 2.312mg/L



Sample

Sample Name: RLV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

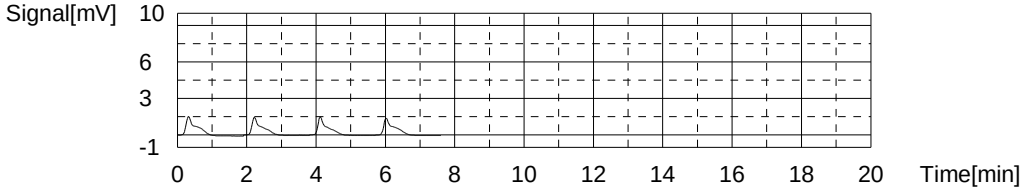
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.199mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.062	1.342mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:46:51 AM
2	2.824	1.206mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:48:54 AM
3	2.742	1.160mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:50:57 AM
4	2.868	1.231mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:53:00 AM

Mean Area 2.811
Mean Conc. 1.199mg/L



Sample

Sample Name: LCS
Sample ID: 415
Origin: TOC415.1A.met
Status Completed
Chk. Result

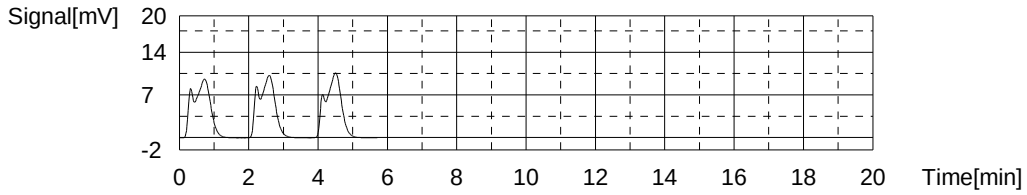
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.05mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.17	19.01mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:03:15 AM
2	34.34	19.11mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:05:18 AM
3	34.23	19.04mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:07:21 AM

Mean Area 34.25
Mean Conc. 19.05mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

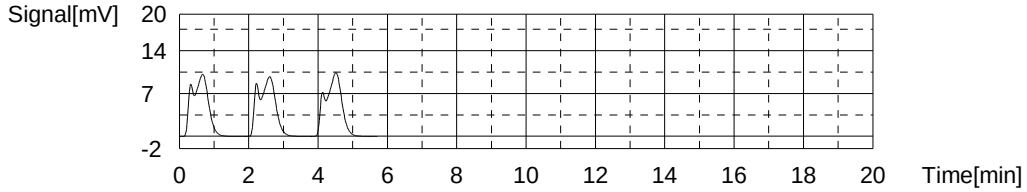
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.90mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.40	18.57mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:14:09 AM
2	34.17	19.01mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:16:12 AM
3	34.35	19.11mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:18:15 AM

Mean Area 33.97
Mean Conc. 18.90mg/L



Sample

Sample Name: 680-99066-a-1
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

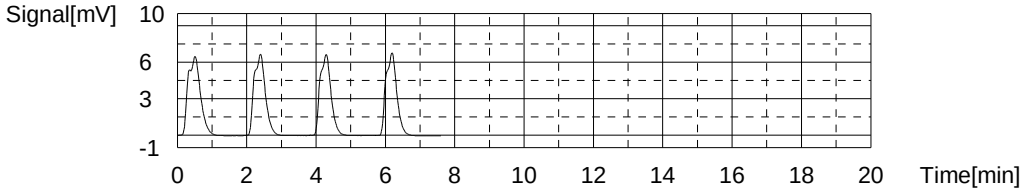
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:79.84mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.98	86.79mg/L	50uL	10	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:29:12 AM
2	15.04	81.45mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:31:15 AM
3	14.47	78.21mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:33:18 AM
4	14.76	79.86mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:35:21 AM

Mean Area 14.76
Mean Conc. 79.84mg/L



Sample

Sample Name: LCS
Sample ID: 415TC
Origin: TC415.1.met
Status Completed
Chk. Result

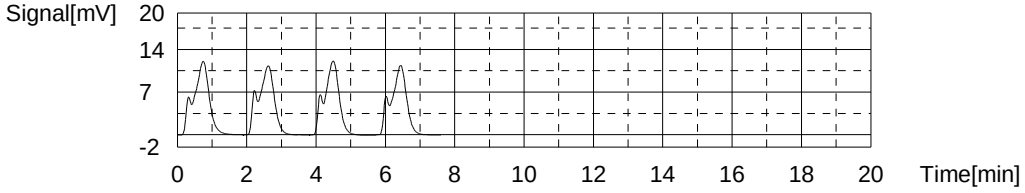
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:20.09mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.89	21.12mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:41:12 AM
2	36.44	20.30mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:43:16 AM
3	36.35	20.25mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:45:19 AM
4	35.43	19.73mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:47:22 AM

Mean Area 36.07
Mean Conc. 20.09mg/L



Sample

Sample Name: LCSD
Sample ID: 415TC
Origin: TC415.1.met
Status Completed
Chk. Result

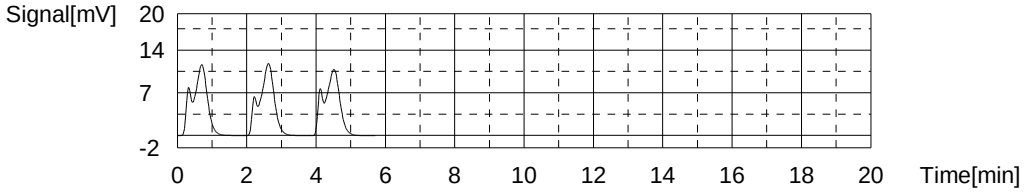
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:19.58mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.30	19.65mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:51:24 AM
2	35.29	19.65mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:53:27 AM
3	34.91	19.43mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:55:31 AM

Mean Area 35.17
Mean Conc. 19.58mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TC415.1.met
Status Completed
Chk. Result

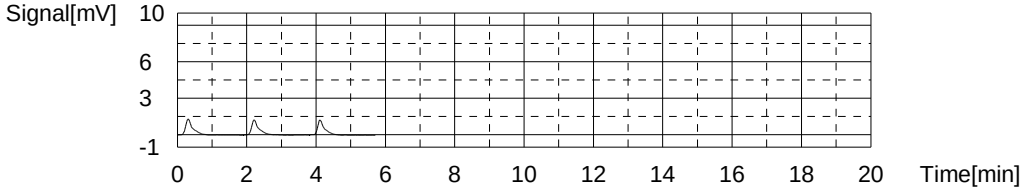
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:0.5780mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.801	0.6253mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:01:23 AM
2	1.689	0.5617mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:03:26 AM
3	1.663	0.5469mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:05:29 AM

Mean Area 1.718
Mean Conc. 0.5780mg/L



Sample

Sample Name: 680-98834-t-1
Sample ID:
Origin: TC415.1.met
Status Completed
Chk. Result

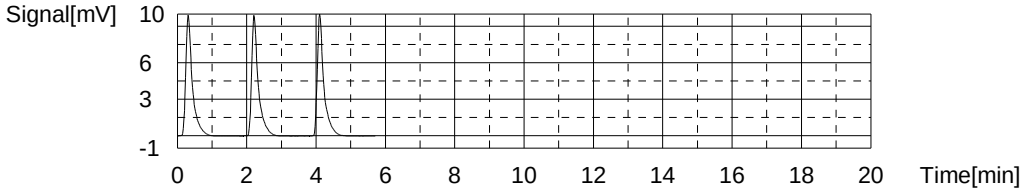
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:6.962mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.93	6.946mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:11:22 AM
2	12.97	6.969mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:13:25 AM
3	12.97	6.969mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:15:28 AM

Mean Area 12.96
Mean Conc. 6.962mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TC415.1.met
Status Completed
Chk. Result

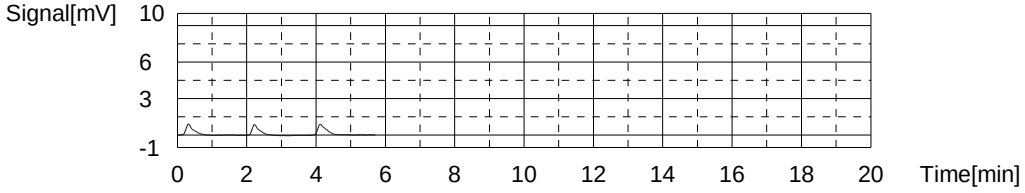
Type	Anal.	Dil.	Result
Unknown	TC	1.000	!!Failed!! TC:-0.4422mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.330	-0.4667mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/5/2014 11:26:33 AM
2	1.311	-0.4776mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/5/2014 11:28:36 AM
3	1.477	-0.3824mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/5/2014 11:30:40 AM

Mean Area 1.373
Mean Conc. -0.4422mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

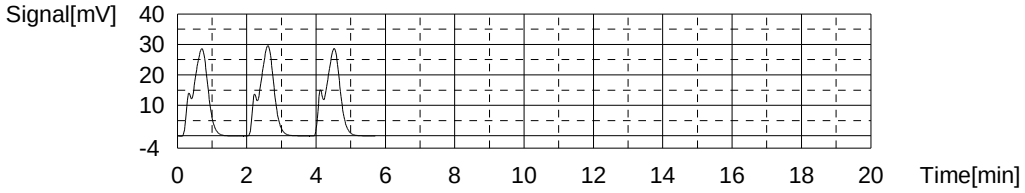
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.43mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.51	49.31mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:40:48 AM
2	87.86	49.51mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:42:52 AM
3	87.83	49.49mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:44:55 AM

Mean Area 87.73
Mean Conc. 49.43mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

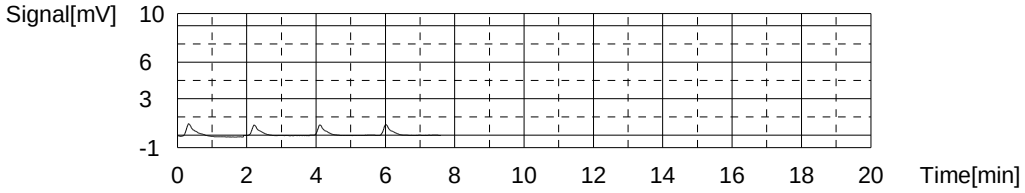
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3284mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.768	0.6066mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:54:58 AM
2	1.281	0.3300mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:57:02 AM
3	1.248	0.3112mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:59:05 AM
4	1.306	0.3442mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:01:08 PM

Mean Area 1.278
Mean Conc. 0.3284mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

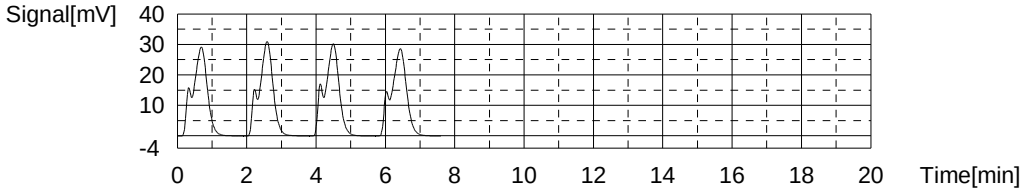
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.55mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.13	48.52mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:11:33 PM
2	87.85	49.50mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:13:36 PM
3	89.12	50.22mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:15:40 PM
4	88.67	49.97mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:17:43 PM

Mean Area 87.94
Mean Conc. 49.55mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

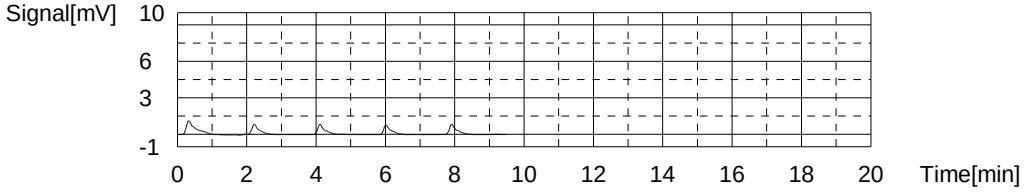
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2646mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.161	0.8298mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:27:58 PM
2	1.162	0.2624mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:30:02 PM
3	1.151	0.2561mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:32:05 PM
4	1.127	0.2425mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:34:08 PM
5	1.224	0.2976mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:36:11 PM

Mean Area 1.166
Mean Conc. 0.2646mg/L



Sample

Sample Name: LCS
Sample ID: 9060
Origin: TOC9060.met
Status Completed
Chk. Result

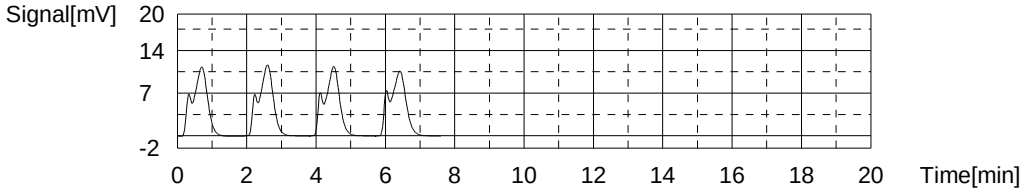
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.40mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.78	19.36mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:46:07 PM
2	34.78	19.36mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:48:11 PM
3	34.87	19.41mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:50:15 PM
4	35.00	19.48mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:52:18 PM

Mean Area 34.86
Mean Conc. 19.40mg/L



Sample

Sample Name: 680-98888-c-2
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

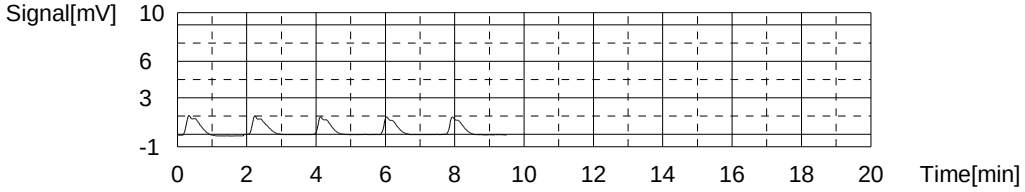
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.556mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.139	1.953mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:02:20 PM
2	3.856	1.793mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:04:23 PM
3	3.355	1.508mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:06:26 PM
4	3.288	1.470mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:08:29 PM
5	3.261	1.455mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:10:32 PM

Mean Area 3.440
Mean Conc. 1.556mg/L



Sample

Sample Name: 680-98888-d-3
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

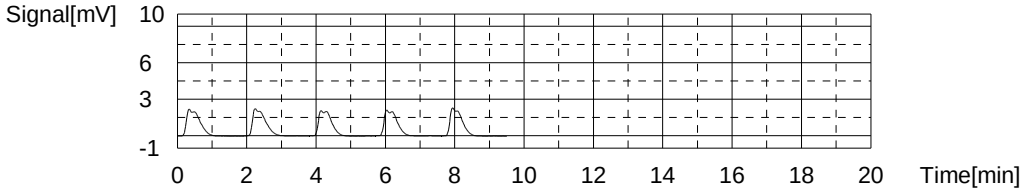
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.658mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.631	2.801mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:20:43 PM
2	5.585	2.775mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:22:47 PM
3	5.289	2.606mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:24:50 PM
4	5.243	2.580mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:26:53 PM
5	5.399	2.669mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:28:56 PM

Mean Area 5.379
Mean Conc. 2.658mg/L



Sample

Sample Name: 680-98888-e-3 MS
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

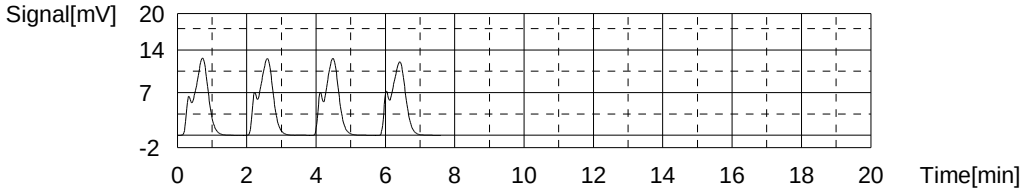
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.01mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.92	21.14mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:39:06 PM
2	37.77	21.06mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:41:10 PM
3	37.27	20.77mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:43:13 PM
4	37.79	21.07mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:45:16 PM

Mean Area 37.69
Mean Conc. 21.01mg/L



Sample

Sample Name: 680-98888-e-3 MSD
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

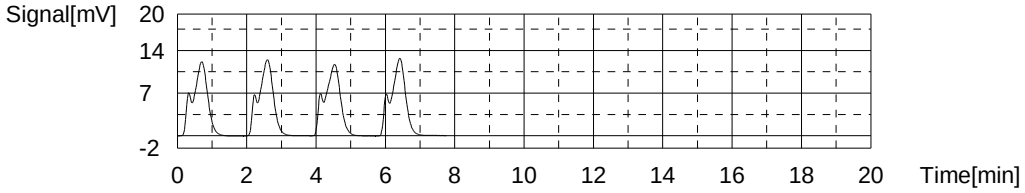
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.82mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.77	20.49mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:52:01 PM
2	37.09	20.67mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:54:04 PM
3	37.55	20.93mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:56:07 PM
4	38.02	21.20mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:58:19 PM

Mean Area 37.36
Mean Conc. 20.82mg/L



Sample

Sample Name: 680-98888-d-4
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

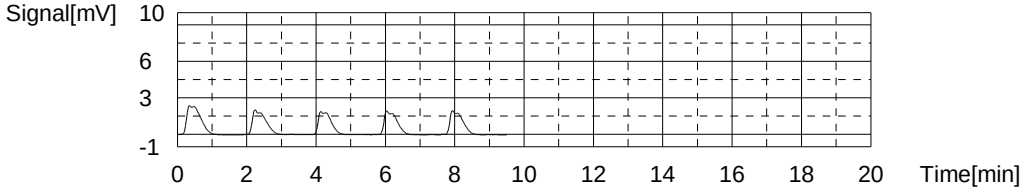
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.376mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.460	3.272mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:08:35 PM
2	5.187	2.549mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:10:38 PM
3	4.673	2.257mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:12:41 PM
4	4.808	2.333mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:14:44 PM
5	4.864	2.365mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:16:50 PM

Mean Area 4.883
Mean Conc. 2.376mg/L



Sample

Sample Name: 680-98888-c-5
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

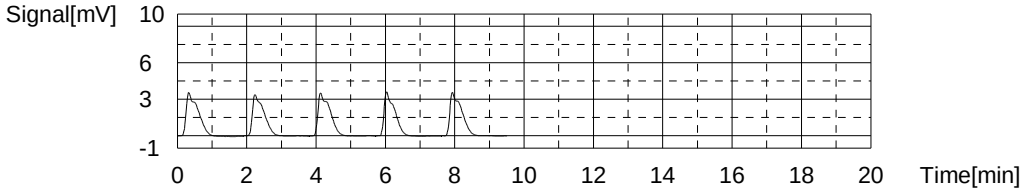
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.203mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.339	4.339mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:27:19 PM
2	7.637	3.940mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:29:23 PM
3	8.225	4.274mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:31:27 PM
4	7.555	3.894mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:33:30 PM
5	8.197	4.258mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:35:34 PM

Mean Area 8.100
Mean Conc. 4.203mg/L



Sample

Sample Name: 680-98888-d-7
Sample ID: 10
Origin: TOC9060.met
Status Completed
Chk. Result

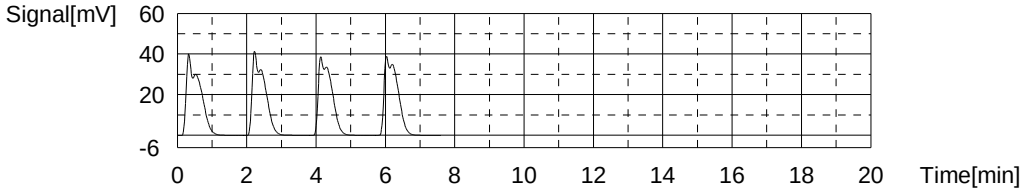
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:576.0mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	104.6	590.1mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:46:26 PM
2	101.1	570.3mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:48:29 PM
3	99.92	563.6mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:50:33 PM
4	102.8	579.9mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:52:36 PM

Mean Area 102.1
Mean Conc. 576.0mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

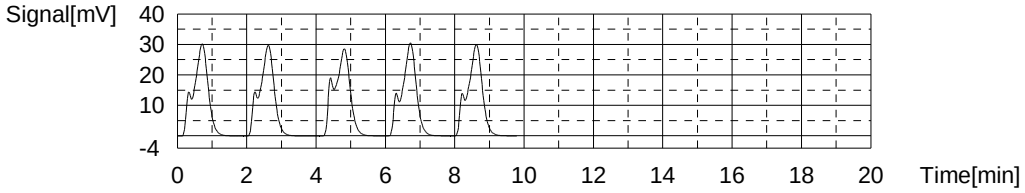
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.12mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	89.06	50.19mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:02:50 PM
2	87.58	49.35mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:05:10 PM
3	92.43	52.10mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:07:13 PM
4	89.67	50.53mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:09:16 PM
5	89.43	50.40mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:11:20 PM

Mean Area 88.94
Mean Conc. 50.12mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

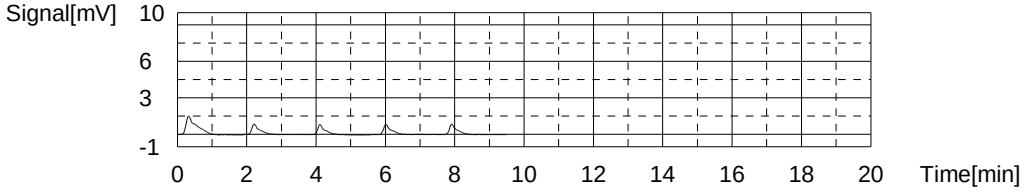
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3102mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.186	1.412mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:21:29 PM
2	1.297	0.3390mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:23:32 PM
3	1.150	0.2555mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:25:36 PM
4	1.258	0.3169mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:27:39 PM
5	1.280	0.3294mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:29:42 PM

Mean Area 1.246
Mean Conc. 0.3102mg/L



	Sample Name	Sample ID	Dilution	Result	Date / Time	Vial
1	CCV		1.000	NPOC:49.36mg/L	3/14/2014 11:15:31 AM	13
2	CCB		1.000	!!Failed!! NPOC:-0.9683mg/L	3/14/2014 11:31:59 AM	14
3	LCS	415	1.000	NPOC:18.86mg/L	3/14/2014 11:46:29 AM	15
4	LCSD		1.000	NPOC:18.80mg/L	3/14/2014 11:59:13 AM	15
5	640-47075-i-1		1.000	!!Failed!! NPOC:-0.7755mg/L	3/14/2014 12:13:36 PM	16
6	640-47075-k-1 MS		1.000	NPOC:19.13mg/L	3/14/2014 12:28:02 PM	17
7	640-47075-k-1 MSD		1.000	NPOC:19.12mg/L	3/14/2014 12:40:58 PM	17
8	640-47075-k-2		1.000	!!Failed!! NPOC:-0.8261mg/L	3/14/2014 12:57:23 PM	18
9	640-47075-j-3		1.000	!!Failed!! NPOC:-0.6779mg/L	3/14/2014 1:13:49 PM	19
10	640-47075-j-4		1.000	!!Failed!! NPOC:-0.7179mg/L	3/14/2014 1:30:14 PM	20
11	640-47075-i-5		1.000	!!Failed!! NPOC:-0.7045mg/L	3/14/2014 1:44:37 PM	21
12	640-47075-k-6		1.000	NPOC:0.2994mg/L	3/14/2014 2:03:07 PM	22
13	CCV		1.000	NPOC:49.61mg/L	3/14/2014 2:17:32 PM	23
14	CCB		1.000	!!Failed!! NPOC:-1.097mg/L	3/14/2014 2:36:04 PM	24
15	680-99142-a-1	5	1.000	NPOC:89.34mg/L	3/14/2014 2:55:11 PM	25
16	680-99142-a-1 DU	5	1.000	NPOC:87.59mg/L	3/14/2014 3:08:22 PM	25
17	680-99142-b-2		1.000	NPOC:42.85mg/L	3/14/2014 3:22:47 PM	26
18	680-99142-b-3	5	1.000	NPOC:67.18mg/L	3/14/2014 3:39:56 PM	27
19	680-99142-b-4	50	1.000	NPOC:1954mg/L	3/14/2014 5:08:58 PM	28
20	680-99142-c-5	20	1.000	NPOC:602.3mg/L	3/14/2014 5:24:03 PM	29
21	680-99142-b-6	20	1.000	NPOC:552.2mg/L	3/14/2014 5:39:08 PM	30
22	680-99142-c-7		1.000	NPOC:29.26mg/L	3/14/2014 5:53:32 PM	31
23	680-99142-a-8	50	1.000	NPOC:2694mg/L	3/14/2014 6:08:39 PM	32
24	680-99142-a-9	50	1.000	NPOC:2481mg/L	3/14/2014 6:27:52 PM	33
25	CCV		1.000	NPOC:52.92mg/L	3/14/2014 6:44:36 PM	23
26	CCB		1.000	!!Failed!! NPOC:-0.6715mg/L	3/14/2014 6:58:58 PM	24
27	680-99142-a-10		1.000	NPOC:777.9mg/L	3/14/2014 7:15:42 PM	34
28	680-99142-a-11	20	1.000	NPOC:703.6mg/L	3/14/2014 7:30:33 PM	35
29	680-99142-b-12		1.000	NPOC:18.51mg/L	3/14/2014 7:44:46 PM	36
30	680-99142-c-13	5	1.000	NPOC:76.93mg/L	3/14/2014 8:01:54 PM	37
31	680-99142-a-14		1.000	NPOC:1.468mg/L	3/14/2014 8:18:22 PM	38
32	LCS	415	1.000	NPOC:19.27mg/L	3/14/2014 8:32:44 PM	39
33	LCSD		1.000	NPOC:19.31mg/L	3/14/2014 8:45:27 PM	39
34	680-99142-b-16	10	1.000	NPOC:673.3mg/L	3/14/2014 9:02:35 PM	40
35	680-99142-a-16 MS	10	1.000	NPOC:692.8mg/L	3/14/2014 9:19:30 PM	41
36	680-99142-a-16 MSD	10	1.000	NPOC:697.2mg/L	3/14/2014 9:34:47 PM	41
37	CCV		1.000	NPOC:51.17mg/L	3/14/2014 9:49:16 PM	42
38	CCB		1.000	!!Failed!! NPOC:-0.8338mg/L	3/14/2014 10:07:47 PM	43
39	680-99155-j-1	M20	20.00	NPOC:198.8mg/L	3/14/2014 10:26:14 PM	44
40	680-99155-j-1 DU	M20	20.00	NPOC:193.9mg/L	3/14/2014 10:39:03 PM	44
41	680-99155-k-2	M20	20.00	NPOC:233.1mg/L	3/14/2014 10:55:31 PM	45
42	680-99155-j-3	5	1.000	NPOC:83.99mg/L	3/14/2014 11:10:35 PM	46
43	680-99155-j-4	M20	20.00	NPOC:199.5mg/L	3/14/2014 11:25:00 PM	47
44	680-99155-k-17	M20	20.00	NPOC:940.6mg/L	3/14/2014 11:43:33 PM	48
45	680-99155-k-18	M20	20.00	NPOC:192.6mg/L	3/15/2014 12:01:58 AM	49
46	680-99155-l-19	M20	20.00	NPOC:137.1mg/L	3/15/2014 12:16:03 AM	50
47	680-99155-l-20	M20	20.00	NPOC:85.44mg/L	3/15/2014 12:34:23 AM	51
48	680-99155-l-21		1.000	NPOC:24.84mg/L	3/15/2014 12:52:50 AM	52
49	CCV		1.000	NPOC:50.55mg/L	3/15/2014 1:07:23 AM	42
50	CCB		1.000	!!Failed!! NPOC:-0.7842mg/L	3/15/2014 1:25:55 AM	43
51	680-99155-l-22	M50	50.00	NPOC:751.6mg/L	3/15/2014 1:42:23 AM	53
52	680-99155-l-23	M20	20.00	NPOC:176.0mg/L	3/15/2014 1:58:49 AM	54
53	680-99155-k-24	M20	20.00	NPOC:218.7mg/L	3/15/2014 2:15:04 AM	55
54	680-99165-d-1		1.000	NPOC:1.156mg/L	3/15/2014 2:31:20 AM	56
55	680-99165-e-2		1.000	NPOC:0.4718mg/L	3/15/2014 2:45:32 AM	57
56	680-99166-j-2		1.000	!!Failed!! NPOC:-0.07411mg/L	3/15/2014 3:02:02 AM	58
57	680-99170-h-1		1.000	NPOC:14.80mg/L	3/15/2014 3:16:15 AM	59
58	680-99170-h-2		1.000	NPOC:17.68mg/L	3/15/2014 3:30:41 AM	60
59	680-99170-i-3		1.000	NPOC:261.5mg/L	3/15/2014 3:47:11 AM	61
60	680-99170-h-4		1.000	NPOC:2.045mg/L	3/15/2014 4:03:40 AM	62
61	CCV		1.000	NPOC:50.93mg/L	3/15/2014 4:20:11 AM	63
62	CCB		1.000	!!Failed!! NPOC:-0.7915mg/L	3/15/2014 4:38:30 AM	64
63	LCS	415	1.000	NPOC:19.15mg/L	3/15/2014 4:52:37 AM	65
64	LCSD		1.000	NPOC:19.33mg/L	3/15/2014 5:05:20 AM	65
65	680-99170-i-6		1.000	NPOC:3.219mg/L	3/15/2014 5:21:49 AM	66
66	680-99170-j-6 MS		1.000	NPOC:22.98mg/L	3/15/2014 5:36:14 AM	67
67	680-99170-j-6 MSD		1.000	NPOC:23.50mg/L	3/15/2014 5:51:15 AM	67
68	680-99170-j-7		1.000	NPOC:3.595mg/L	3/15/2014 6:07:38 AM	68
69	680-99170-j-8		1.000	NPOC:6.252mg/L	3/15/2014 6:22:04 AM	69
70	680-99190-c-1		1.000	NPOC:3.189mg/L	3/15/2014 6:38:21 AM	70

	Sample Name	Sample ID	Dilution	Result	Date / Time	Vial
71	680-99190-b-2		1.000	NPOC:1.671mg/L	3/15/2014 6:52:47 AM	71
72	680-99193-c-2		1.000	NPOC:0.6604mg/L	3/15/2014 7:07:13 AM	72
73	CCV		1.000	NPOC:50.38mg/L	3/15/2014 7:23:38 AM	63
74	CCB		1.000	!!Failed!! NPOC:-0.7330mg/L	3/15/2014 7:42:09 AM	64
75	680-99215-b-1		1.000	NPOC:1.673mg/L	3/15/2014 7:58:27 AM	73
76	680-99215-b-1 DU		1.000	NPOC:1.591mg/L	3/15/2014 8:09:06 AM	73
77	680-99215-d-2		1.000	NPOC:1.786mg/L	3/15/2014 8:25:38 AM	74
78	680-99241-a-6		1.000	NPOC:2.875mg/L	3/15/2014 8:42:07 AM	75
79	680-99241-a-7		1.000	NPOC:3.246mg/L	3/15/2014 8:58:37 AM	76
80	680-99155-j-5	M20	20.00	NPOC:214.8mg/L	3/15/2014 9:15:06 AM	77
81	680-99155-l-6	M20	20.00	NPOC:214.4mg/L	3/15/2014 9:31:36 AM	78
82	680-99155-l-7	M20	20.00	NPOC:88.70mg/L	3/15/2014 9:50:09 AM	79
83	680-99155-l-8	M20	20.00	NPOC:91.32mg/L	3/15/2014 10:06:33 AM	80
84	680-99155-l-9	5	1.000	NPOC:34.16mg/L	3/15/2014 10:25:34 AM	81
85	CCV		1.000	NPOC:50.07mg/L	3/15/2014 10:39:53 AM	82
86	CCB		1.000	!!Failed!! NPOC:-0.6737mg/L	3/15/2014 10:58:27 AM	83
87	680-99155-j-10	M20	20.00	NPOC:216.6mg/L	3/15/2014 11:14:50 AM	84
88	LCS	415	1.000	NPOC:19.30mg/L	3/15/2014 11:29:16 AM	85
89	LCSD		1.000	NPOC:18.96mg/L	3/15/2014 11:40:07 AM	85
90	680-99155-j-11	M20	20.00	NPOC:228.6mg/L	3/15/2014 11:56:38 AM	86
91	680-99155-l-12	M20	20.00	NPOC:1107mg/L	3/15/2014 12:12:55 PM	87
92	680-99155-j-13	M20	20.00	NPOC:196.6mg/L	3/15/2014 12:29:12 PM	88
93	680-99155-k-14	M20	20.00	NPOC:83.27mg/L	3/15/2014 12:43:26 PM	89
94	680-99155-l-15	M20	20.00	NPOC:138.1mg/L	3/15/2014 12:59:45 PM	90
95	680-99155-k-16	M50	50.00	NPOC:967.6mg/L	3/15/2014 1:16:16 PM	91
96	680-99155-k-16 MS	M50	50.00	NPOC:1990mg/L	3/15/2014 1:30:42 PM	92
97	680-99155-k-16 MSD	M50	50.00	NPOC:1933mg/L	3/15/2014 1:41:35 PM	92
98	CCV		1.000	NPOC:51.00mg/L	3/15/2014 1:56:17 PM	82
99	CCB		1.000	!!Failed!! NPOC:-0.6238mg/L	3/15/2014 2:14:51 PM	83

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	CCV
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

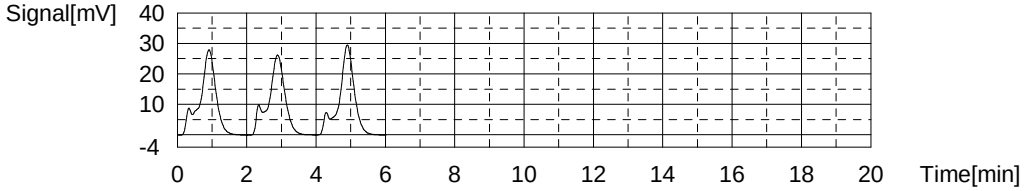
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.36mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	89.05	49.83mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:11:12 AM
2	86.96	48.64mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:13:18 AM
3	88.67	49.62mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:15:31 AM

Mean Area 88.23
Mean Conc. 49.36mg/L



Sample

Sample Name:	CCB
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

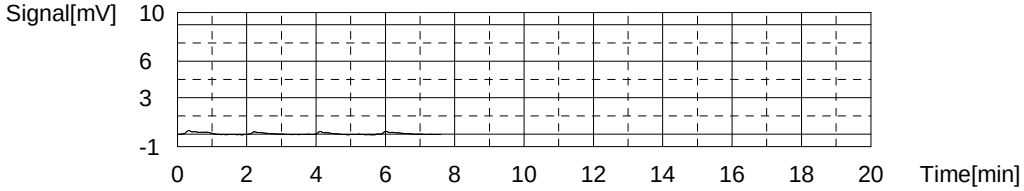
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.9683mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.025	-0.6416mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:25:48 AM
2	0.4179	-0.9897mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:27:52 AM
3	0.4793	-0.9545mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:29:56 AM
4	0.4687	-0.9606mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:31:59 AM

Mean Area 0.4553
Mean Conc. -0.9683mg/L



Sample

Sample Name: LCS
Sample ID: 415
Origin: TOC415.1A.met
Status Completed
Chk. Result

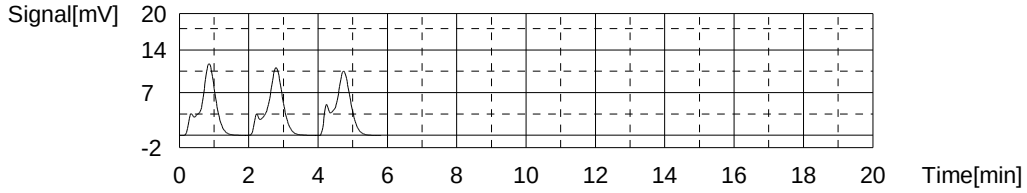
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.86mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.90	18.78mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:42:15 AM
2	35.12	18.91mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:44:25 AM
3	35.07	18.88mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:46:29 AM

Mean Area 35.03
Mean Conc. 18.86mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

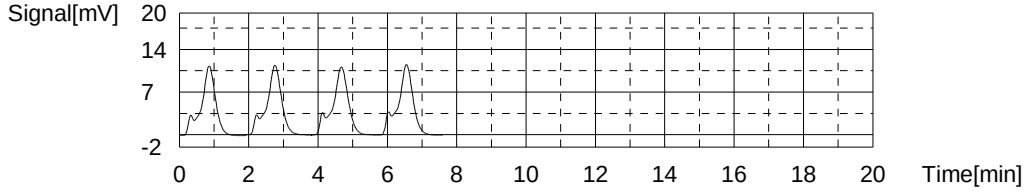
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.80mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.01	17.70mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:53:02 AM
2	34.36	18.47mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:55:05 AM
3	35.20	18.95mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:57:09 AM
4	35.21	18.96mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:59:13 AM

Mean Area 34.92
Mean Conc. 18.80mg/L



Sample

Sample Name: 640-47075-i-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

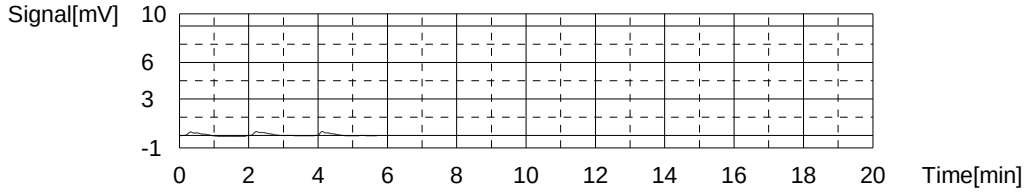
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.7755mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8304	-0.7532mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:09:28 PM
2	0.8285	-0.7543mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:11:33 PM
3	0.7155	-0.8191mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:13:36 PM

Mean Area 0.7915
Mean Conc. -0.7755mg/L



Sample

Sample Name: 640-47075-k-1 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

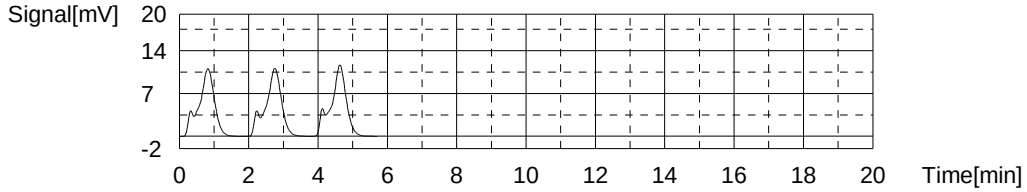
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.13mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.95	18.81mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:23:55 PM
2	35.70	19.24mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:25:58 PM
3	35.87	19.34mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:28:02 PM

Mean Area 35.51
Mean Conc. 19.13mg/L



Sample

Sample Name: 640-47075-k-1 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

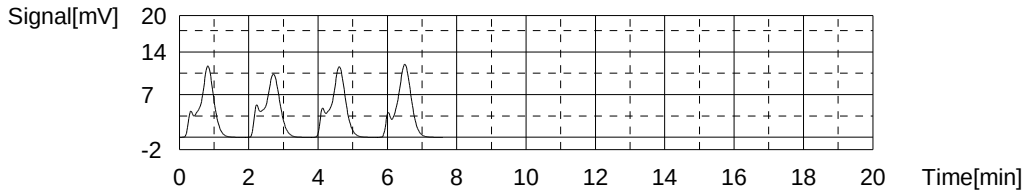
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.12mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.55	18.58mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:34:47 PM
2	34.70	18.67mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:36:51 PM
3	35.85	19.33mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:38:54 PM
4	35.93	19.37mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:40:58 PM

Mean Area 35.49
Mean Conc. 19.12mg/L



Sample

Sample Name: 640-47075-k-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

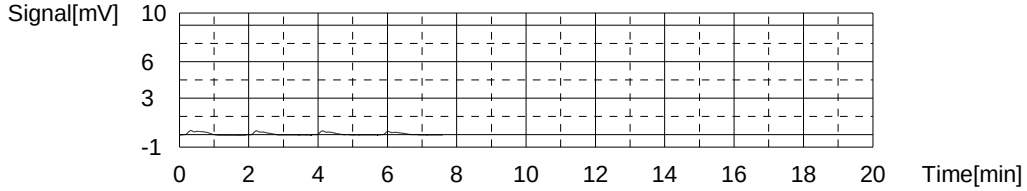
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.8261mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.123	-0.5854mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:51:12 PM
2	0.7427	-0.8035mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:53:15 PM
3	0.6716	-0.8443mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:55:19 PM
4	0.6956	-0.8305mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:57:23 PM

Mean Area 0.7033
Mean Conc. -0.8261mg/L



Sample

Sample Name: 640-47075-j-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

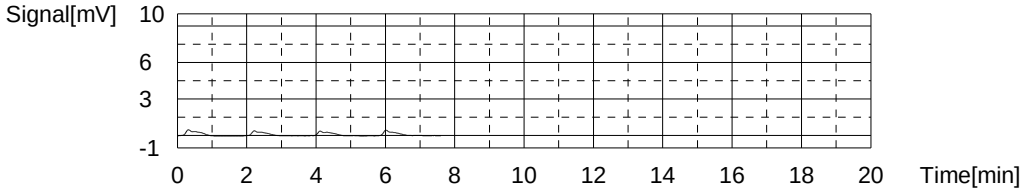
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.6779mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.213	-0.5338mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:07:38 PM
2	0.9802	-0.6673mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:09:42 PM
3	0.9317	-0.6951mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:11:45 PM
4	0.9730	-0.6714mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:13:49 PM

Mean Area 0.9616
Mean Conc. -0.6779mg/L



Sample

Sample Name: 640-47075-j-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

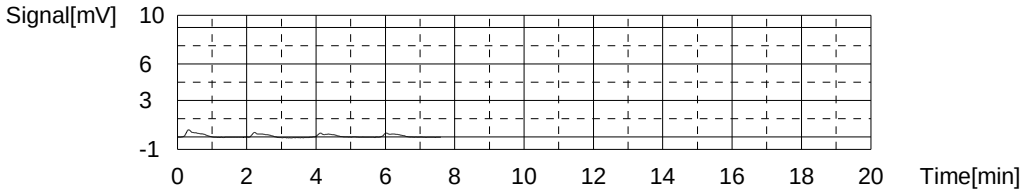
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.7179mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.427	-0.4111mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:24:04 PM
2	0.9666	-0.6751mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:26:07 PM
3	0.8355	-0.7503mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:28:11 PM
4	0.8739	-0.7282mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:30:14 PM

Mean Area 0.8920
Mean Conc. -0.7179mg/L



Sample

Sample Name: 640-47075-i-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

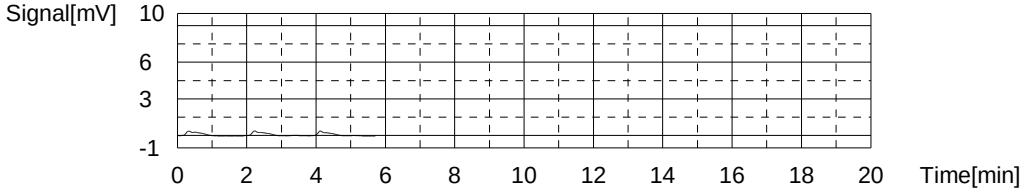
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.7045mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9799	-0.6675mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:40:30 PM
2	0.9485	-0.6855mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:42:33 PM
3	0.8173	-0.7607mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:44:37 PM

Mean Area 0.9152
Mean Conc. -0.7045mg/L



Sample

Sample Name: 640-47075-k-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

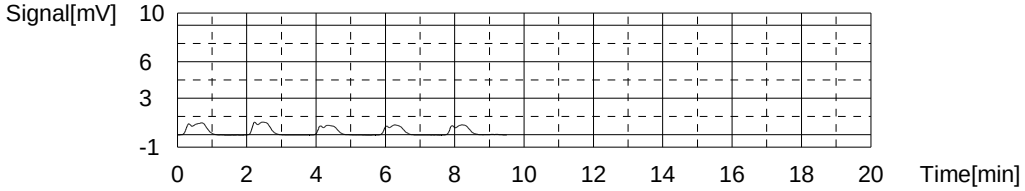
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2994mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.433	0.7392mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:54:54 PM
2	3.404	0.7226mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:56:57 PM
3	2.606	0.2650mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:59:00 PM
4	2.660	0.2959mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:01:04 PM
5	2.732	0.3372mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:03:07 PM

Mean Area 2.666
Mean Conc. 0.2994mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

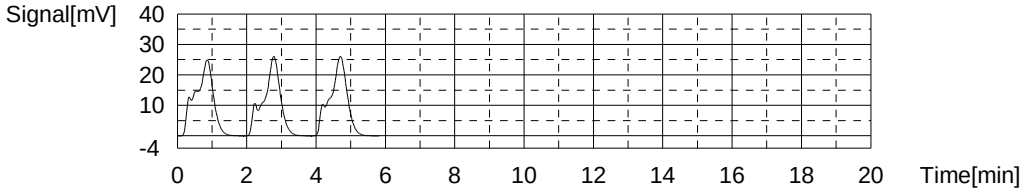
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.61mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	89.80	50.26mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:13:18 PM
2	87.23	48.79mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:15:25 PM
3	88.96	49.78mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:17:32 PM

Mean Area 88.66
Mean Conc. 49.61mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

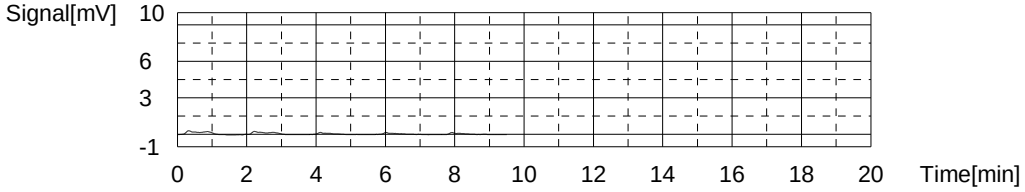
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-1.097mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.040	-0.6330mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:27:50 PM
2	0.8326	-0.7519mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:29:53 PM
3	0.2440	-1.089mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:31:57 PM
4	0.2001	-1.115mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:34:01 PM
5	0.2494	-1.086mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:36:04 PM

Mean Area 0.2312
Mean Conc. -1.097mg/L



Sample

Sample Name: 680-99142-a-1
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

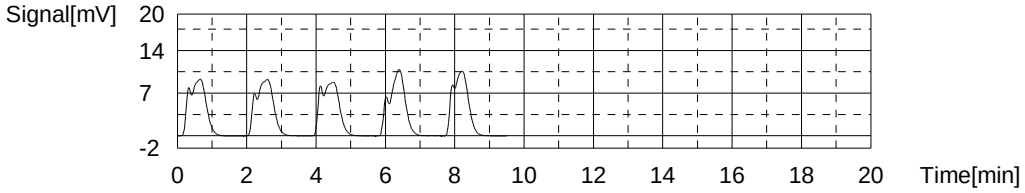
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:89.34mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	31.99	85.57mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:46:56 PM
2	32.96	88.35mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:49:00 PM
3	33.29	89.30mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:51:04 PM
4	34.41	92.51mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:53:07 PM
5	33.66	90.36mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:55:11 PM

Mean Area 33.30
Mean Conc. 89.34mg/L



Sample

Sample Name: 680-99142-a-1 DU
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

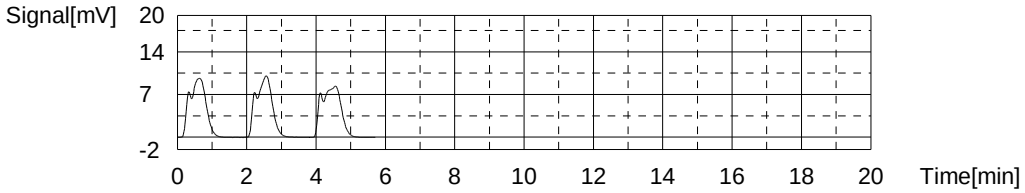
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:87.59mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	32.22	86.23mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:04:15 PM
2	32.48	86.98mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:06:18 PM
3	33.38	89.56mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:08:22 PM

Mean Area 32.69
Mean Conc. 87.59mg/L



Sample

Sample Name: 680-99142-b-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

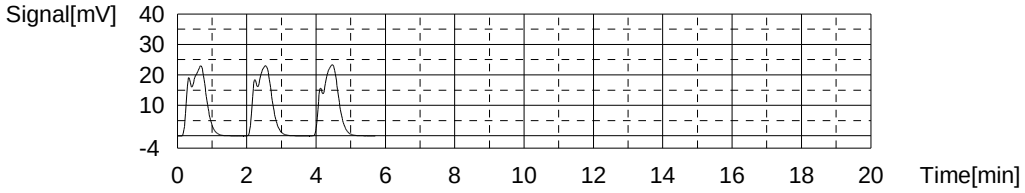
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:42.85mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	77.86	43.42mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:18:40 PM
2	76.34	42.55mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:20:44 PM
3	76.40	42.58mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:22:47 PM

Mean Area 76.87
Mean Conc. 42.85mg/L



Sample

Sample Name: 680-99142-b-3
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

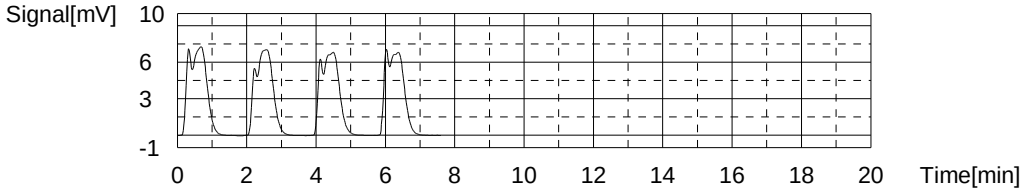
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:67.18mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	26.81	70.72mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:33:45 PM
2	25.19	66.08mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:35:48 PM
3	25.72	67.59mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:37:52 PM
4	25.82	67.88mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:39:56 PM

Mean Area 25.58
Mean Conc. 67.18mg/L



Sample

Sample Name: 680-99142-b-4
Sample ID: 50
Origin: TOC415.1A.met
Status Completed
Chk. Result

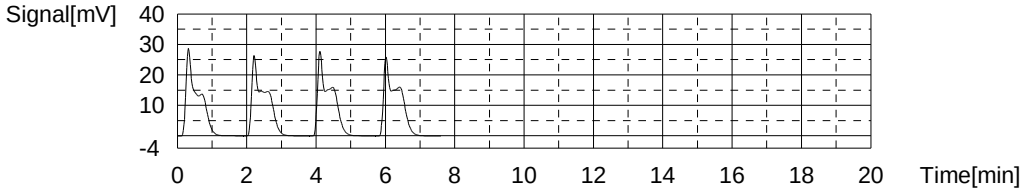
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1954mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	67.47	1873mg/L	50uL	50	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:02:47 PM
2	69.27	1925mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:04:51 PM
3	70.36	1956mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:06:54 PM
4	71.28	1982mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:08:58 PM

Mean Area 70.30
Mean Conc. 1954mg/L



Sample

Sample Name: 680-99142-c-5
Sample ID: 20
Origin: TOC415.1A.met
Status Completed
Chk. Result

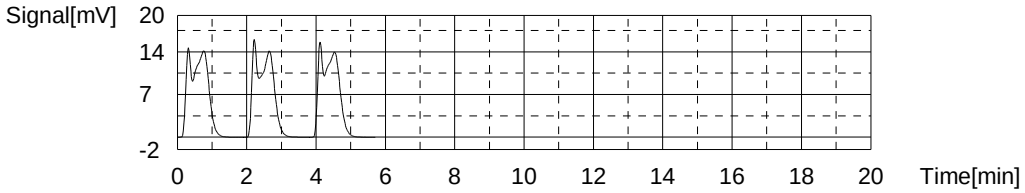
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:602.3mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	54.92	605.3mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:19:56 PM
2	54.36	598.8mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:21:59 PM
3	54.70	602.7mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:24:03 PM

Mean Area 54.66
Mean Conc. 602.3mg/L



Sample

Sample Name: 680-99142-b-6
Sample ID: 20
Origin: TOC415.1A.met
Status Completed
Chk. Result

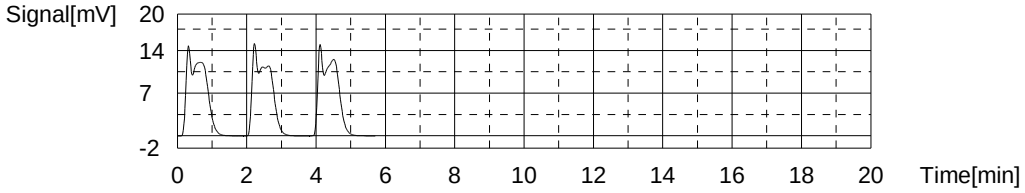
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:552.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	51.03	560.6mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:35:01 PM
2	49.64	544.7mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:37:05 PM
3	50.20	551.1mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:39:08 PM

Mean Area 50.29
Mean Conc. 552.2mg/L



Sample

Sample Name: 680-99142-c-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

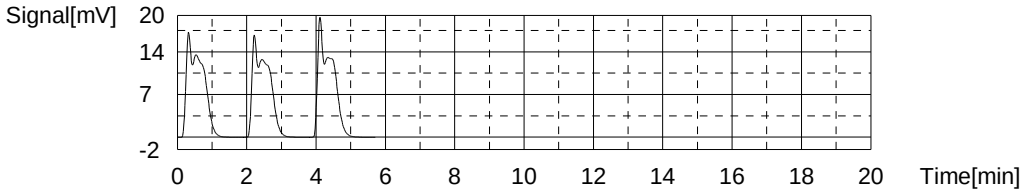
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:29.26mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	53.70	29.56mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:49:25 PM
2	51.98	28.58mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:51:29 PM
3	53.83	29.64mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:53:32 PM

Mean Area 53.17
Mean Conc. 29.26mg/L



Sample

Sample Name: 680-99142-a-8
Sample ID: 50
Origin: TOC415.1A.met
Status Completed
Chk. Result

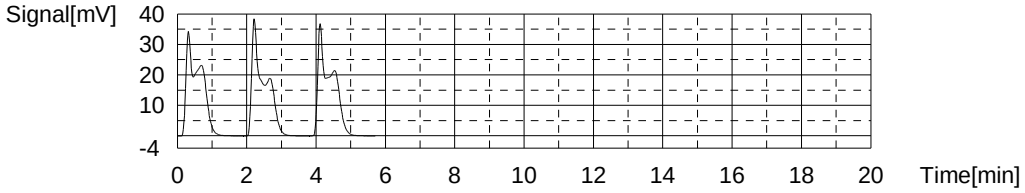
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2694mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	94.36	2644mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:04:32 PM
2	96.58	2708mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:06:36 PM
3	97.36	2730mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:08:39 PM

Mean Area 96.10
Mean Conc. 2694mg/L



Sample

Sample Name: 680-99142-a-9
Sample ID: 50
Origin: TOC415.1A.met
Status Completed
Chk. Result

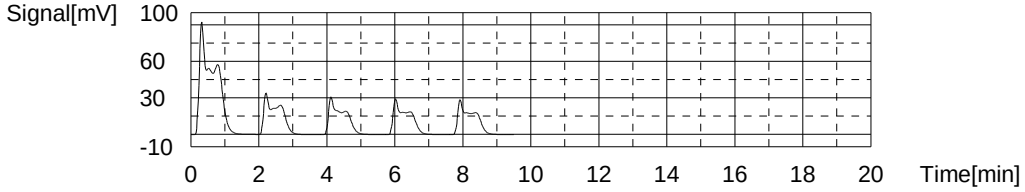
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2481mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	272.4	7748mg/L	50uL	50	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:19:38 PM
2	102.6	2880mg/L	50uL	50	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:21:42 PM
3	91.55	2563mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:23:45 PM
4	87.51	2448mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:25:49 PM
5	86.99	2433mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:27:52 PM

Mean Area 88.68
Mean Conc. 2481mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

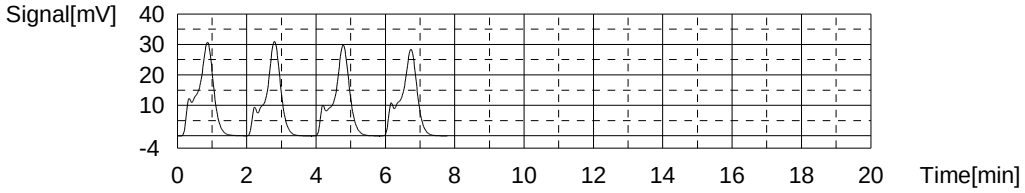
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:52.92mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	100.8	56.57mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:38:14 PM
2	95.31	53.42mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:40:22 PM
3	94.41	52.91mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:42:29 PM
4	93.58	52.43mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:44:36 PM

Mean Area 94.43
Mean Conc. 52.92mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

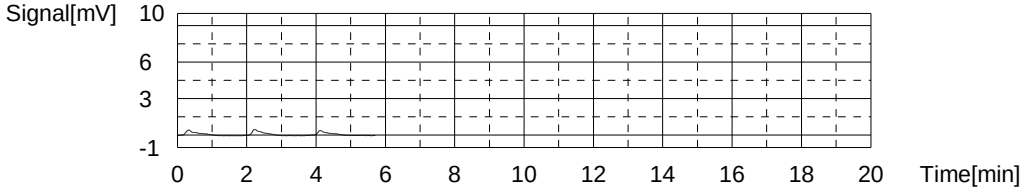
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.6715mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.015	-0.6473mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:54:51 PM
2	1.039	-0.6336mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:56:55 PM
3	0.8648	-0.7335mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:58:58 PM

Mean Area 0.9729
Mean Conc. -0.6715mg/L



Sample

Sample Name: 680-99142-a-10
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

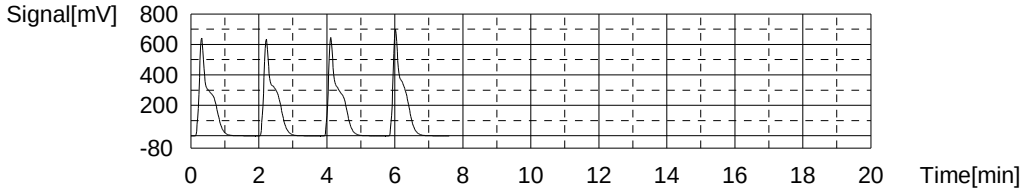
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:777.9mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1309	749.4mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:09:21 PM
2	1345	770.0mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:11:25 PM
3	1362	779.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:13:29 PM
4	1369	783.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:15:42 PM

Mean Area 1359
Mean Conc. 777.9mg/L



Sample

Sample Name: 680-99142-a-11
Sample ID: 20
Origin: TOC415.1A.met
Status Completed
Chk. Result

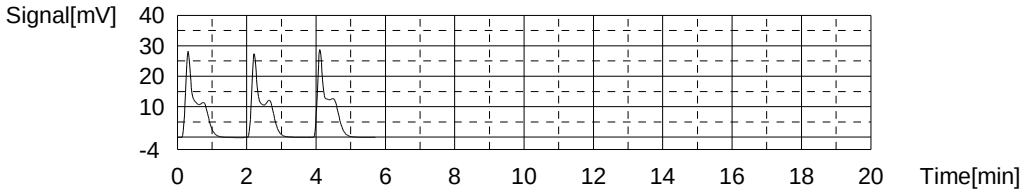
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:703.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	63.72	706.2mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:26:26 PM
2	62.47	691.8mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:28:30 PM
3	64.30	712.8mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:30:33 PM

Mean Area 63.50
Mean Conc. 703.6mg/L



Sample

Sample Name: 680-99142-b-12
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

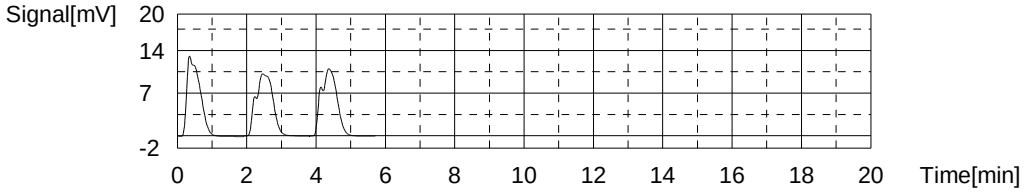
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.51mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.93	18.23mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:40:38 PM
2	34.57	18.59mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:42:42 PM
3	34.76	18.70mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:44:46 PM

Mean Area 34.42
Mean Conc. 18.51mg/L



Sample

Sample Name: 680-99142-c-13
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

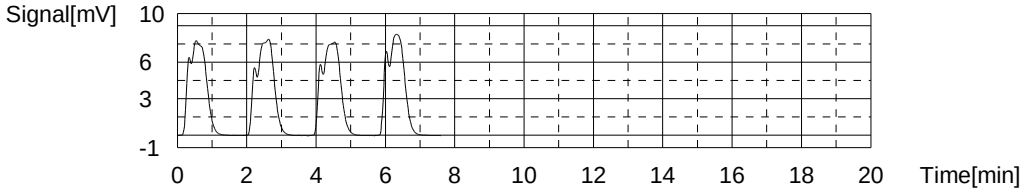
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:76.93mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	27.12	71.61mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:55:44 PM
2	28.51	75.59mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:57:48 PM
3	29.12	77.34mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:59:51 PM
4	29.30	77.86mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:01:54 PM

Mean Area 28.98
Mean Conc. 76.93mg/L



Sample

Sample Name: 680-99142-a-14
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

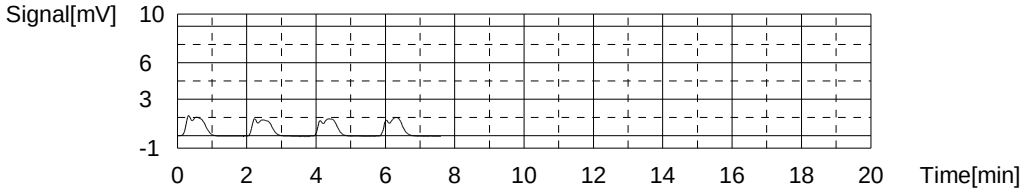
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.468mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.336	1.830mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:12:11 PM
2	4.770	1.506mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:14:15 PM
3	4.634	1.428mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:16:18 PM
4	4.707	1.470mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:18:22 PM

Mean Area 4.704
Mean Conc. 1.468mg/L



Sample

Sample Name: LCS
Sample ID: 415
Origin: TOC415.1A.met
Status Completed
Chk. Result

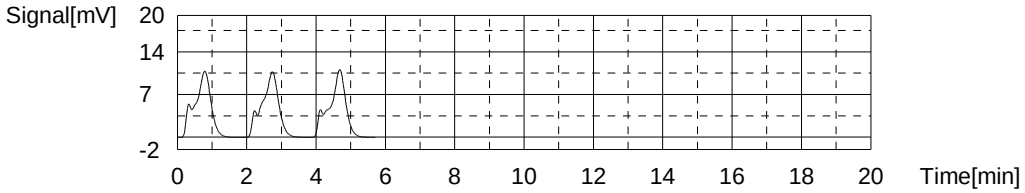
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.27mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.28	19.00mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:28:37 PM
2	35.88	19.34mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:30:41 PM
3	36.08	19.46mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:32:44 PM

Mean Area 35.75
Mean Conc. 19.27mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

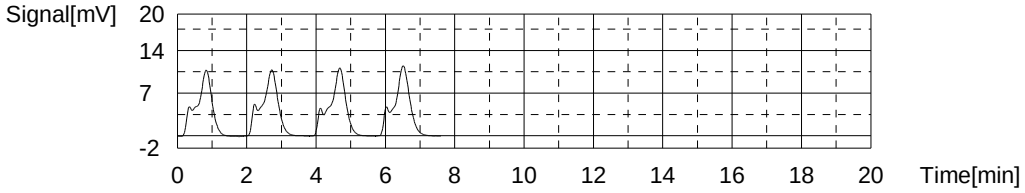
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.31mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.78	18.14mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:39:16 PM
2	35.34	19.04mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:41:20 PM
3	36.01	19.42mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:43:23 PM
4	36.13	19.49mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:45:27 PM

Mean Area 35.83
Mean Conc. 19.31mg/L



Sample

Sample Name: 680-99142-b-16
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

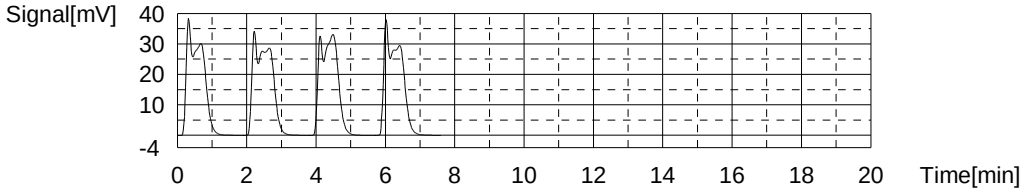
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:673.3mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	115.0	647.1mg/L	50uL	10	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:56:24 PM
2	120.1	676.4mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:58:27 PM
3	119.2	671.2mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:00:31 PM
4	119.4	672.4mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:02:35 PM

Mean Area 119.6
Mean Conc. 673.3mg/L



Sample

Sample Name: 680-99142-a-16 MS
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

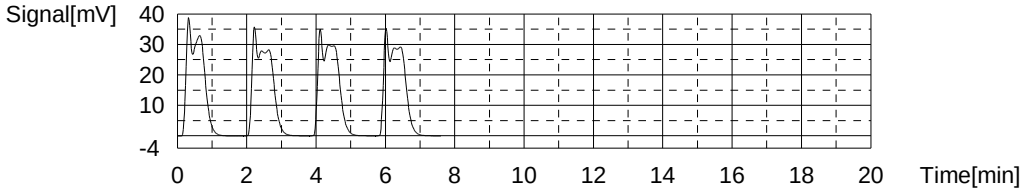
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:692.8mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	118.3	666.1mg/L	50uL	10	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:13:19 PM
2	121.1	682.1mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:15:23 PM
3	123.8	697.6mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:17:27 PM
4	124.0	698.7mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:19:30 PM

Mean Area 123.0
Mean Conc. 692.8mg/L



Sample

Sample Name: 680-99142-a-16 MSD
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

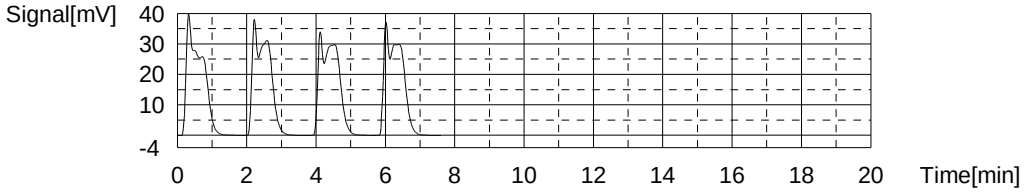
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:697.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	119.5	672.9mg/L	50uL	10	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:28:37 PM
2	121.6	685.0mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:30:40 PM
3	125.0	704.5mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:32:44 PM
4	124.6	702.2mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:34:47 PM

Mean Area 123.7
Mean Conc. 697.2mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

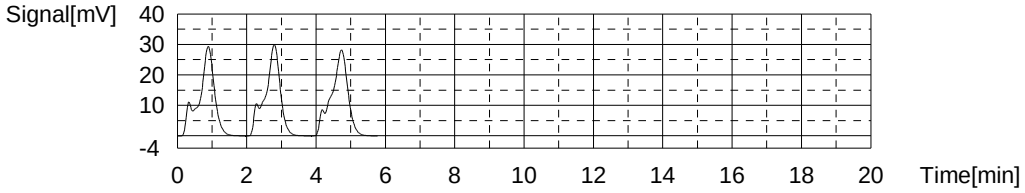
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:51.17mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	90.53	50.68mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:45:07 PM
2	90.87	50.88mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:47:11 PM
3	92.73	51.94mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:49:16 PM

Mean Area 91.38
Mean Conc. 51.17mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

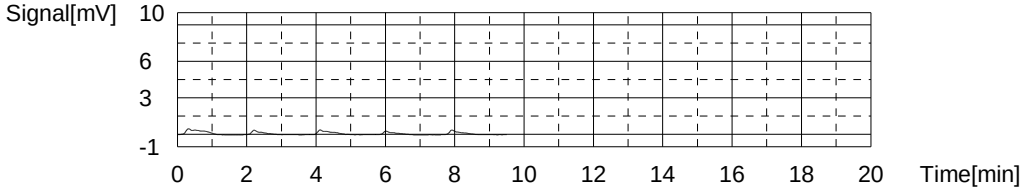
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.8338mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.515	-0.3606mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:59:33 PM
2	0.7343	-0.8083mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:01:36 PM
3	0.9536	-0.6825mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:03:40 PM
4	0.5823	-0.8955mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:05:43 PM
5	0.7530	-0.7976mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:07:47 PM

Mean Area 0.6899
Mean Conc. -0.8338mg/L



Sample

Sample Name: 680-99155-j-1
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

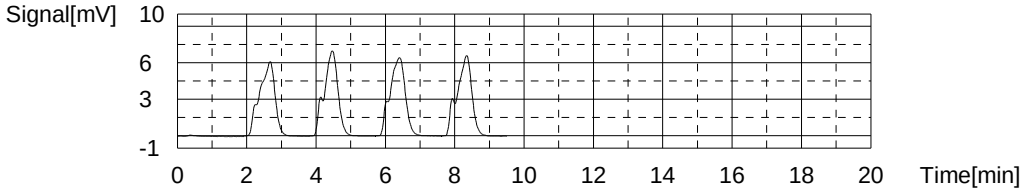
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:198.8mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1359	-23.03mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:17:59 PM
2	18.73	190.2mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:20:03 PM
3	19.27	196.4mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:22:06 PM
4	19.63	200.5mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:24:10 PM
5	19.53	199.4mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:26:14 PM

Mean Area 19.48
Mean Conc. 198.8mg/L



Sample

Sample Name: 680-99155-j-1 DU
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

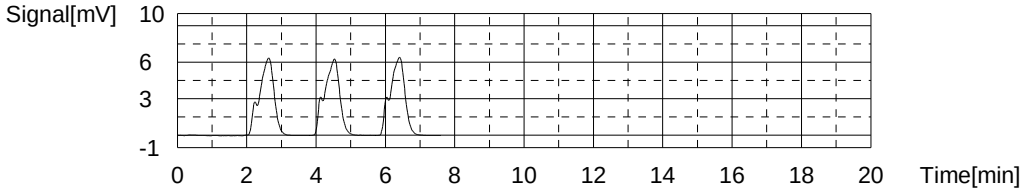
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:193.9mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-24.59mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:32:53 PM
2	18.75	190.4mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:34:56 PM
3	19.22	195.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:37:00 PM
4	19.18	195.4mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:39:03 PM

Mean Area 19.05
Mean Conc. 193.9mg/L



Sample

Sample Name: 680-99155-k-2
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

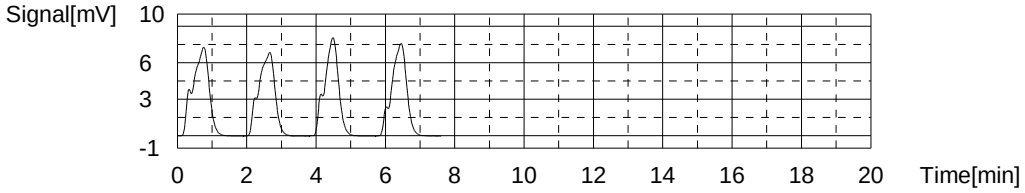
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:233.1mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	23.73	247.6mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:49:20 PM
2	22.20	230.0mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:51:24 PM
3	22.51	233.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:53:27 PM
4	22.70	235.7mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:55:31 PM

Mean Area 22.47
Mean Conc. 233.1mg/L



Sample

Sample Name: 680-99155-j-3
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

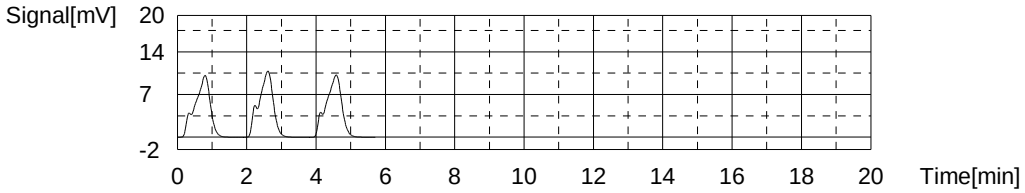
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:83.99mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	30.90	82.45mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:06:28 PM
2	31.35	83.74mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:08:31 PM
3	32.06	85.77mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:10:35 PM

Mean Area 31.44
Mean Conc. 83.99mg/L



Sample

Sample Name: 680-99155-j-4
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

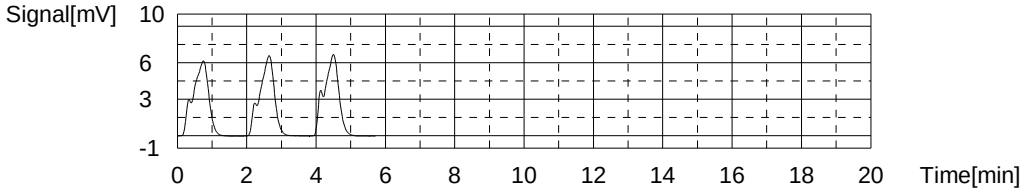
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:199.5mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	19.36	197.4mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:20:53 PM
2	19.32	197.0mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:22:57 PM
3	19.95	204.2mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:25:00 PM

Mean Area 19.54
Mean Conc. 199.5mg/L



Sample

Sample Name: 680-99155-k-17
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

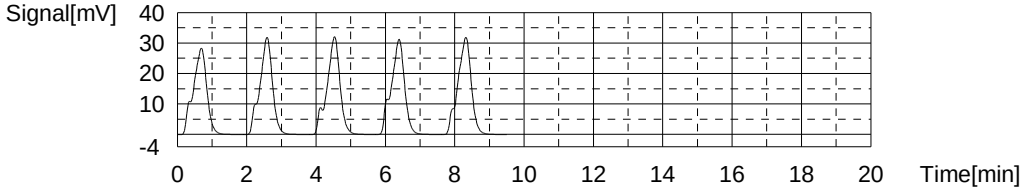
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:940.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	76.93	857.7mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:35:19 PM
2	80.72	901.1mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:37:22 PM
3	84.13	940.2mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:39:26 PM
4	82.97	926.9mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:41:29 PM
5	85.39	954.7mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:43:33 PM

Mean Area 84.16
Mean Conc. 940.6mg/L



Sample

Sample Name: 680-99155-k-18
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

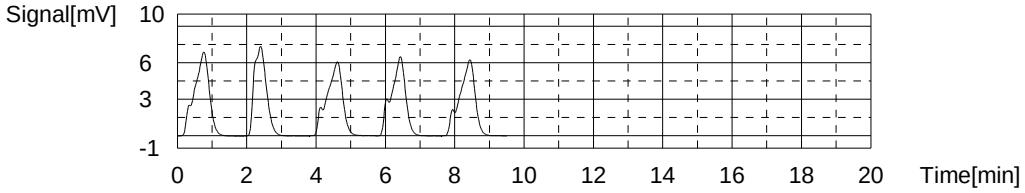
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:192.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	20.46	210.1mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:53:44 PM
2	18.06	182.5mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:55:48 PM
3	19.03	193.7mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:57:51 PM
4	18.61	188.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:59:55 PM
5	19.17	195.3mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:01:58 AM

Mean Area 18.94
Mean Conc. 192.6mg/L



Sample

Sample Name: 680-99155-I-19
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

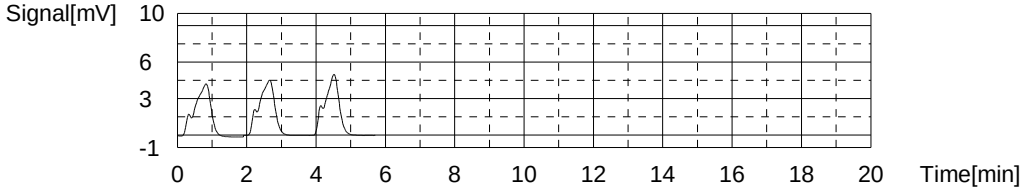
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:137.1mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.84	134.1mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:11:56 AM
2	14.15	137.7mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:14:00 AM
3	14.31	139.5mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:16:03 AM

Mean Area 14.10
Mean Conc. 137.1mg/L



Sample

Sample Name: 680-99155-I-20
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

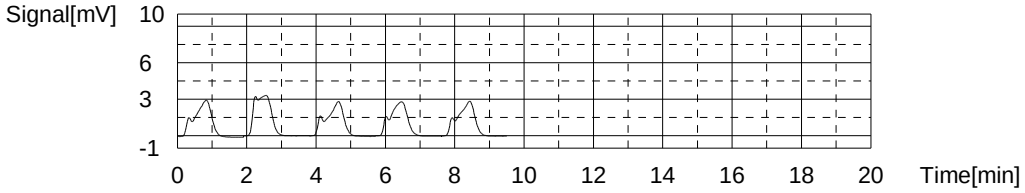
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:85.44mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.21	92.50mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:26:08 AM
2	11.27	104.7mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:28:12 AM
3	9.574	85.21mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:30:15 AM
4	9.567	85.13mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:32:19 AM
5	9.642	85.99mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:34:23 AM

Mean Area 9.594
Mean Conc. 85.44mg/L



Sample

Sample Name: 680-99155-I-21
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

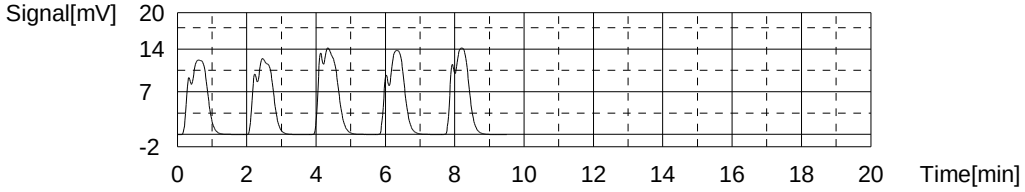
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.84mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	43.39	23.65mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:44:36 AM
2	44.07	24.04mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:46:39 AM
3	49.95	27.41mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:48:43 AM
4	46.20	25.26mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:50:46 AM
5	46.13	25.22mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:52:50 AM

Mean Area 45.47
Mean Conc. 24.84mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

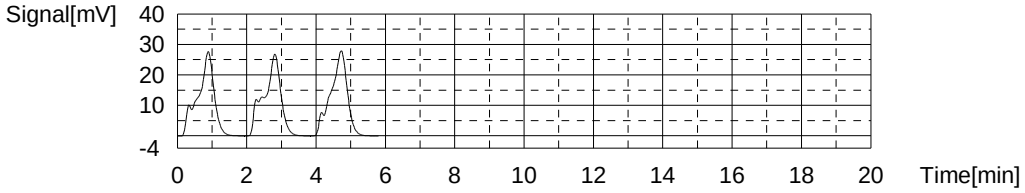
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.55mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	88.77	49.67mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:03:12 AM
2	90.25	50.52mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:05:15 AM
3	91.86	51.44mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:07:23 AM

Mean Area 90.29
Mean Conc. 50.55mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

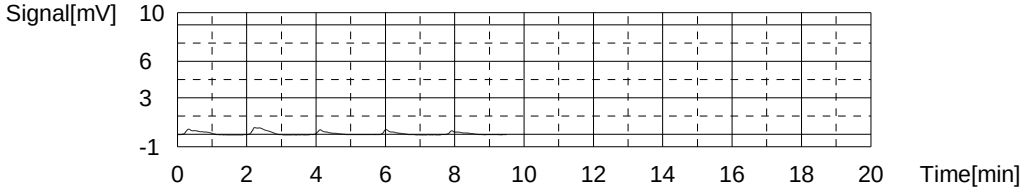
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.7842mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.354	-0.4530mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:17:41 AM
2	1.661	-0.2769mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:19:44 AM
3	0.7523	-0.7980mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:21:48 AM
4	0.8228	-0.7576mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:23:51 AM
5	0.7541	-0.7969mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:25:55 AM

Mean Area 0.7764
Mean Conc. -0.7842mg/L



Sample

Sample Name: 680-99155-I-22
Sample ID: M50
Origin: TOC415.1A.met
Status Completed
Chk. Result

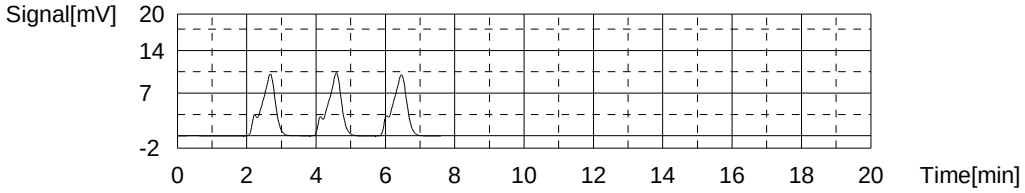
Type	Anal.	Dil.	Result
Unknown	NPOC	50.00	NPOC:751.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-61.47mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:36:12 AM
2	28.12	744.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:38:16 AM
3	28.58	757.9mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:40:20 AM
4	28.38	752.2mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:42:23 AM

Mean Area 28.36
Mean Conc. 751.6mg/L



Sample

Sample Name: 680-99155-l-23
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

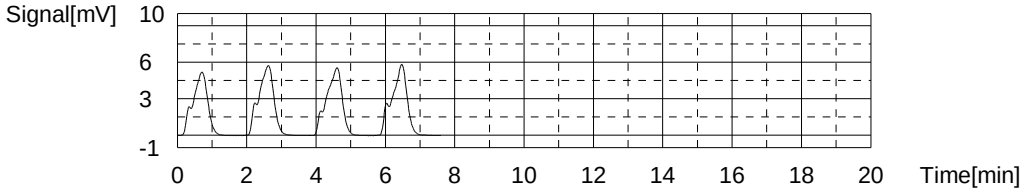
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:176.0mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.33	151.2mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:52:39 AM
2	17.39	174.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:54:42 AM
3	17.49	176.0mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:56:46 AM
4	17.58	177.0mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:58:49 AM

Mean Area 17.49
Mean Conc. 176.0mg/L



Sample

Sample Name: 680-99155-k-24
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

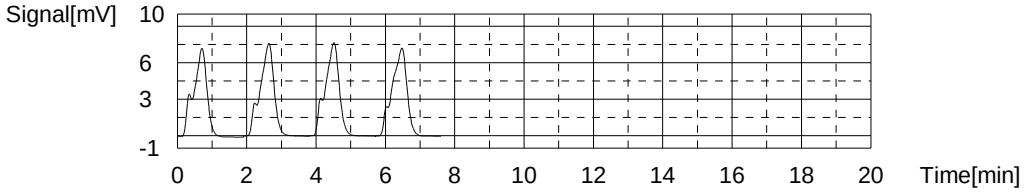
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:218.7mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	19.56	199.7mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:08:53 AM
2	20.95	215.7mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:10:57 AM
3	21.38	220.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:13:00 AM
4	21.32	219.9mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:15:04 AM

Mean Area 21.22
Mean Conc. 218.7mg/L



Sample

Sample Name: 680-99165-d-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

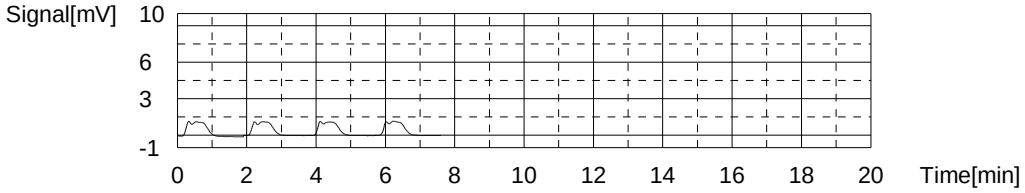
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.156mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.463	1.330mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:25:08 AM
2	4.138	1.143mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:27:12 AM
3	4.160	1.156mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:29:16 AM
4	4.181	1.168mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:31:20 AM

Mean Area 4.160
Mean Conc. 1.156mg/L



Sample

Sample Name: 680-99165-e-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

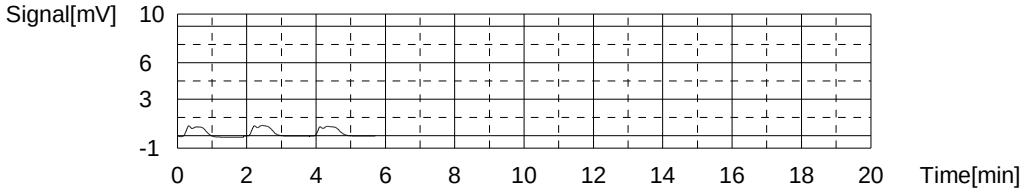
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4718mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.941	0.4571mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:41:24 AM
2	3.006	0.4943mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:43:28 AM
3	2.953	0.4639mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:45:32 AM

Mean Area 2.967
Mean Conc. 0.4718mg/L



Sample

Sample Name: 680-99166-j-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

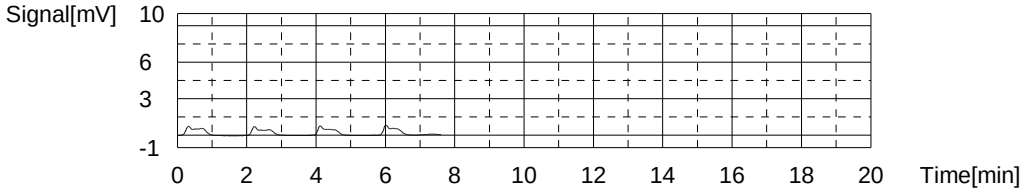
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.07411mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.206	0.03560mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:55:52 AM
2	1.970	-0.09973mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:57:55 AM
3	2.047	-0.05557mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:59:59 AM
4	2.027	-0.06704mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:02:02 AM

Mean Area 2.015
Mean Conc. -0.07411mg/L



Sample

Sample Name: 680-99170-h-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

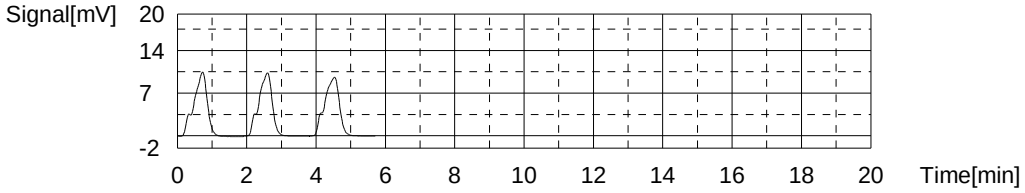
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:14.80mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	28.06	14.86mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:12:07 AM
2	27.57	14.58mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:14:11 AM
3	28.23	14.96mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:16:15 AM

Mean Area 27.95
Mean Conc. 14.80mg/L



Sample

Sample Name: 680-99170-h-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

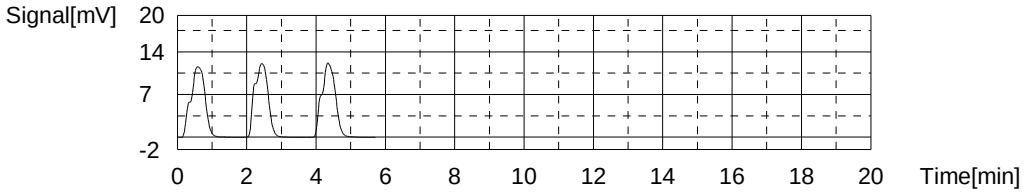
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:17.68mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	32.96	17.67mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:26:33 AM
2	32.67	17.50mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:28:37 AM
3	33.29	17.86mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:30:41 AM

Mean Area 32.97
Mean Conc. 17.68mg/L



Sample

Sample Name: 680-99170-i-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

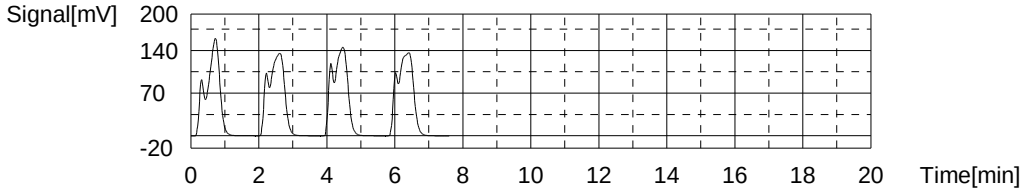
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:261.5mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	433.8	247.5mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:41:00 AM
2	452.5	258.2mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:43:03 AM
3	461.8	263.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:45:07 AM
4	460.5	262.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:47:11 AM

Mean Area 458.3
Mean Conc. 261.5mg/L



Sample

Sample Name: 680-99170-h-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

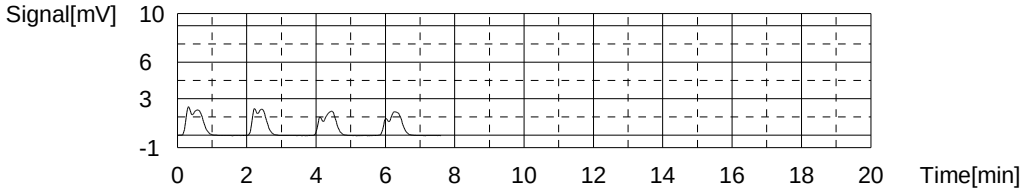
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.045mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.661	2.590mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:57:28 AM
2	5.709	2.044mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:59:32 AM
3	5.749	2.067mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:01:36 AM
4	5.671	2.022mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:03:40 AM

Mean Area 5.710
Mean Conc. 2.045mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

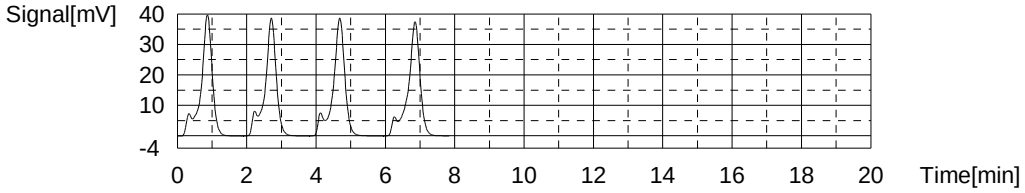
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.93mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	90.28	50.54mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:13:45 AM
2	87.74	49.08mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:15:49 AM
3	91.74	51.38mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:18:07 AM
4	90.86	50.87mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:20:11 AM

Mean Area 90.96
Mean Conc. 50.93mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

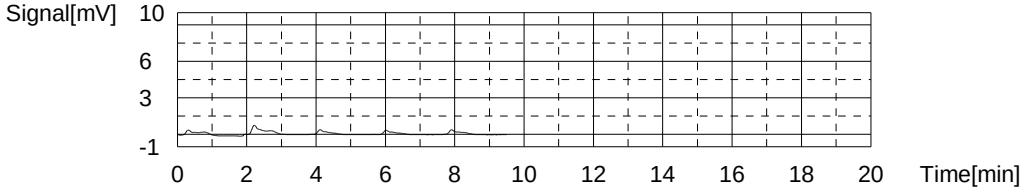
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.7915mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.181	-0.5522mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:30:15 AM
2	1.754	-0.2236mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:32:19 AM
3	0.7316	-0.8098mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:34:23 AM
4	0.7497	-0.7995mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:36:27 AM
5	0.8094	-0.7652mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:38:30 AM

Mean Area 0.7636
Mean Conc. -0.7915mg/L



Sample

Sample Name: LCS
Sample ID: 415
Origin: TOC415.1A.met
Status Completed
Chk. Result

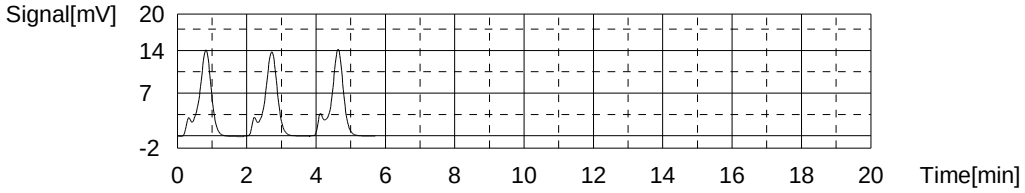
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.15mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.67	19.22mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:48:29 AM
2	35.42	19.08mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:50:33 AM
3	35.55	19.16mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:52:37 AM

Mean Area 35.55
Mean Conc. 19.15mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

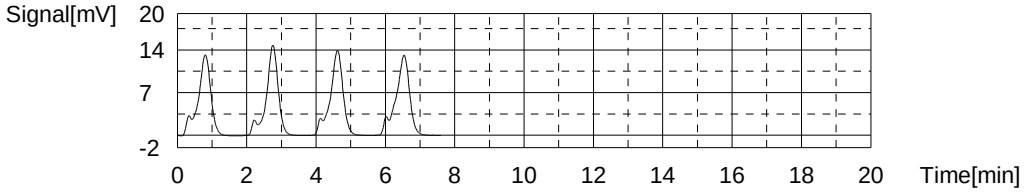
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.33mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.31	18.44mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:59:09 AM
2	35.34	19.04mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:01:13 AM
3	35.87	19.34mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:03:17 AM
4	36.35	19.61mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:05:20 AM

Mean Area 35.85
Mean Conc. 19.33mg/L



Sample

Sample Name: 680-99170-i-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

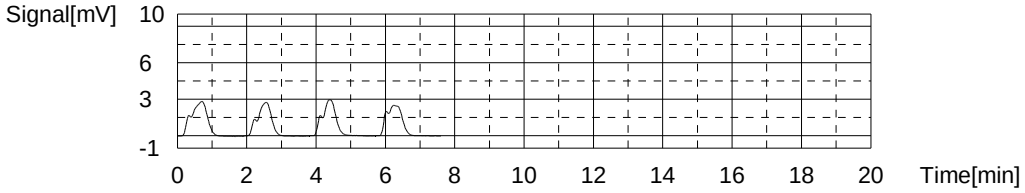
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.219mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.053	3.962mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:15:38 AM
2	7.613	3.136mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:17:41 AM
3	7.833	3.262mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:19:45 AM
4	7.826	3.258mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:21:49 AM

Mean Area 7.757
Mean Conc. 3.219mg/L



Sample

Sample Name: 680-99170-j-6 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

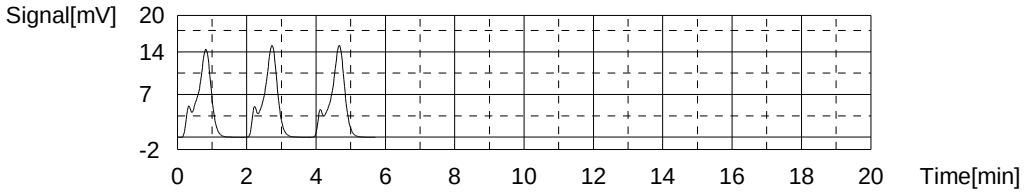
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:22.98mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.43	22.53mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:32:06 AM
2	42.44	23.11mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:34:10 AM
3	42.81	23.32mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:36:14 AM

Mean Area 42.23
Mean Conc. 22.98mg/L



Sample

Sample Name: 680-99170-j-6 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

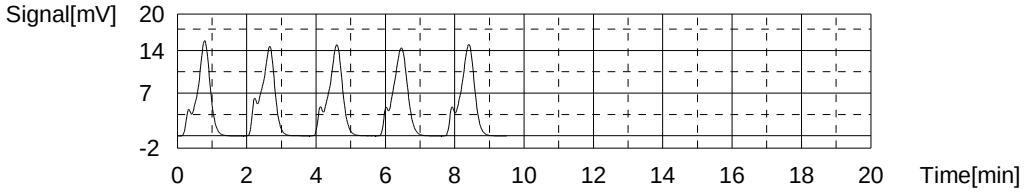
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.50mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.42	22.52mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:42:59 AM
2	41.47	22.55mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:45:03 AM
3	42.92	23.38mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:47:07 AM
4	43.12	23.50mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:49:11 AM
5	43.32	23.61mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:51:15 AM

Mean Area 43.12
Mean Conc. 23.50mg/L



Sample

Sample Name: 680-99170-j-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

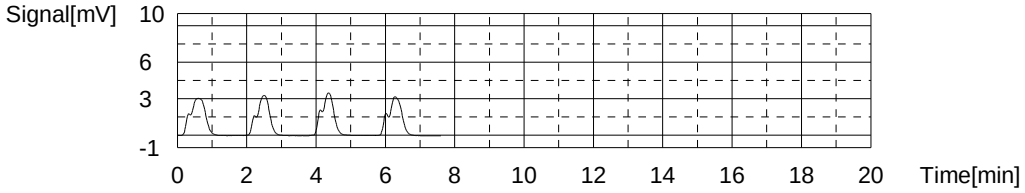
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.595mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.173	4.031mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:01:27 AM
2	8.271	3.513mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:03:31 AM
3	8.421	3.599mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:05:34 AM
4	8.549	3.673mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:07:38 AM

Mean Area 8.414
Mean Conc. 3.595mg/L



Sample

Sample Name: 680-99170-j-8
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

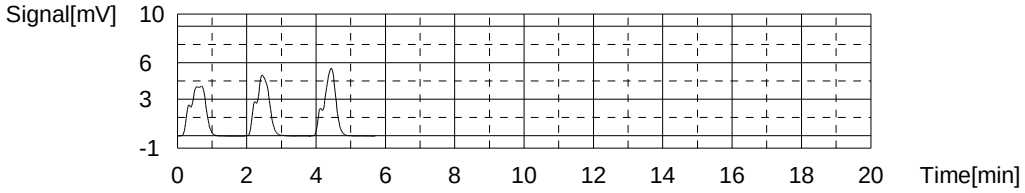
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.252mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.85	6.139mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:17:56 AM
2	13.10	6.282mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:20:00 AM
3	13.19	6.334mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:22:04 AM

Mean Area 13.05
Mean Conc. 6.252mg/L



Sample

Sample Name: 680-99190-c-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

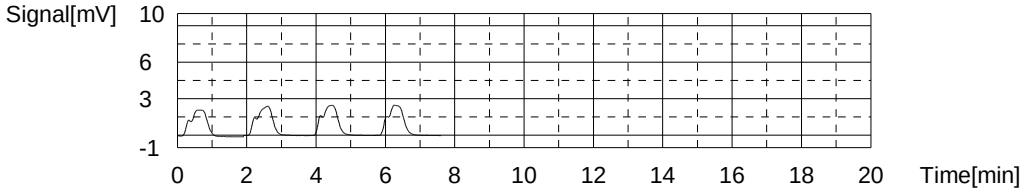
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.189mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.015	2.793mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:32:10 AM
2	7.591	3.123mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:34:14 AM
3	7.761	3.221mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:36:18 AM
4	7.766	3.224mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:38:21 AM

Mean Area 7.706
Mean Conc. 3.189mg/L



Sample

Sample Name: 680-99190-b-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

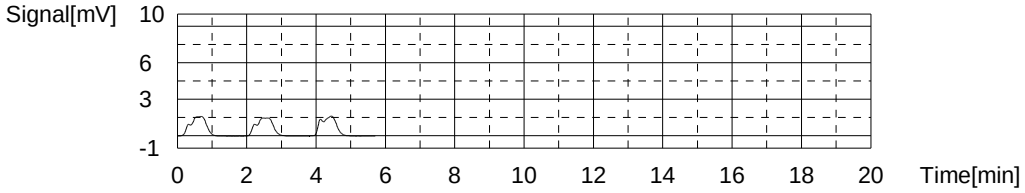
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.671mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.112	1.702mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:48:39 AM
2	5.029	1.654mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:50:43 AM
3	5.035	1.658mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:52:47 AM

Mean Area 5.059
Mean Conc. 1.671mg/L



Sample

Sample Name: 680-99193-c-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

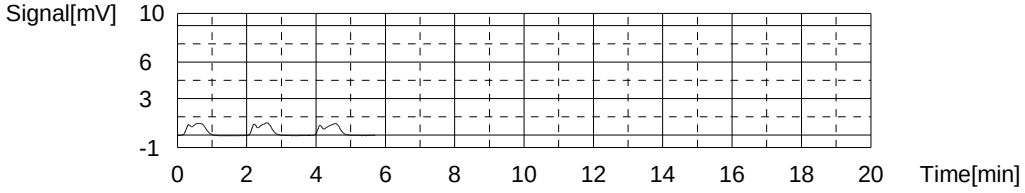
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6604mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.289	0.6566mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:03:06 AM
2	3.270	0.6457mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:05:09 AM
3	3.328	0.6790mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:07:13 AM

Mean Area 3.296
Mean Conc. 0.6604mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

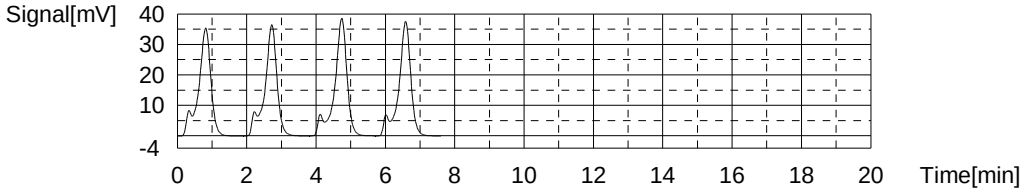
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.38mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	88.69	49.63mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:17:26 AM
2	89.62	50.16mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:19:30 AM
3	96.64	54.19mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:21:34 AM
4	91.68	51.34mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:23:38 AM

Mean Area 90.00
Mean Conc. 50.38mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

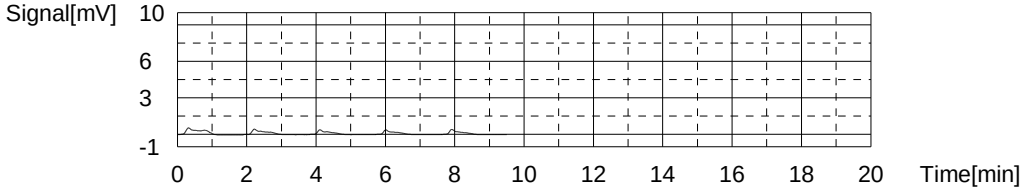
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.7330mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.671	-0.2712mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:33:55 AM
2	1.091	-0.6038mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:35:58 AM
3	0.8651	-0.7333mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:38:02 AM
4	0.8251	-0.7562mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:40:06 AM
5	0.9066	-0.7095mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:42:09 AM

Mean Area 0.8656
Mean Conc. -0.7330mg/L



Sample

Sample Name: 680-99215-b-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

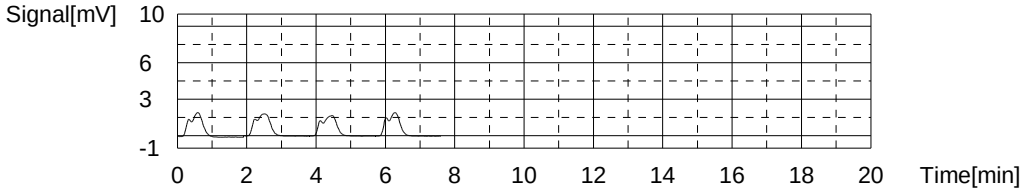
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.673mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.121	1.707mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:52:16 AM
2	5.409	1.872mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:54:19 AM
3	5.026	1.653mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:56:23 AM
4	5.039	1.660mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:58:27 AM

Mean Area 5.062
Mean Conc. 1.673mg/L



Sample

Sample Name: 680-99215-b-1 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

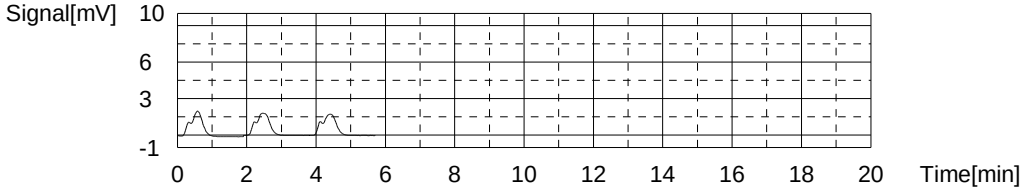
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.591mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.853	1.553mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:04:58 AM
2	4.999	1.637mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:07:02 AM
3	4.902	1.582mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:09:06 AM

Mean Area 4.918
Mean Conc. 1.591mg/L



Sample

Sample Name: 680-99215-d-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

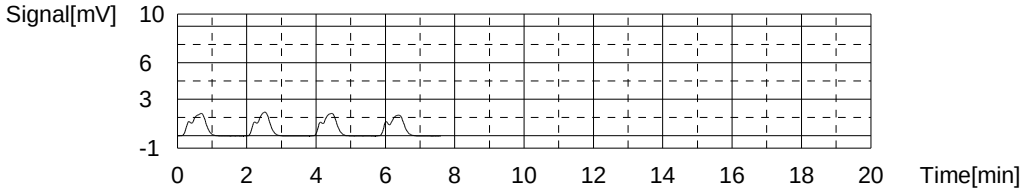
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.786mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.511	1.931mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:19:27 AM
2	5.198	1.751mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:21:31 AM
3	5.265	1.790mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:23:34 AM
4	5.314	1.818mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:25:38 AM

Mean Area 5.259
Mean Conc. 1.786mg/L



Sample

Sample Name: 680-99241-a-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

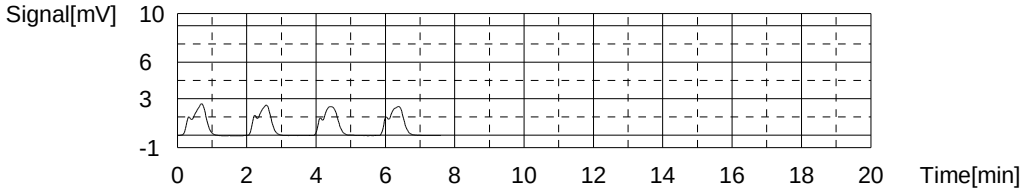
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.875mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.422	3.027mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:35:56 AM
2	7.053	2.815mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:37:59 AM
3	7.175	2.885mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:40:03 AM
4	7.243	2.924mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:42:07 AM

Mean Area 7.157
Mean Conc. 2.875mg/L



Sample

Sample Name: 680-99241-a-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

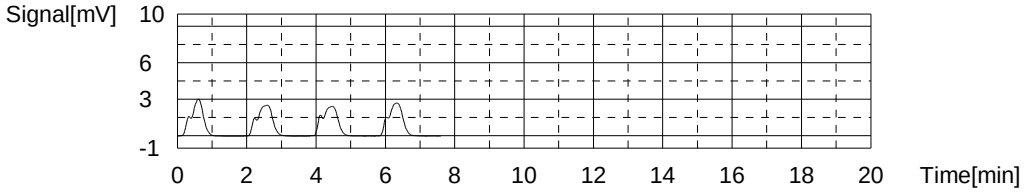
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.246mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.426	3.029mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:52:26 AM
2	7.932	3.319mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:54:30 AM
3	7.711	3.192mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:56:33 AM
4	7.772	3.227mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:58:37 AM

Mean Area 7.805
Mean Conc. 3.246mg/L



Sample

Sample Name: 680-99155-j-5
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

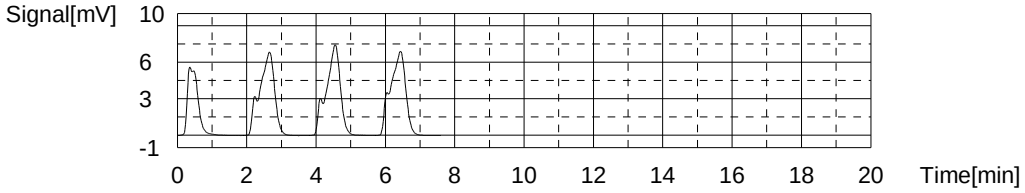
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:214.8mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.68	109.4mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:08:55 AM
2	20.57	211.3mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:10:58 AM
3	20.94	215.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:13:02 AM
4	21.12	217.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:15:06 AM

Mean Area 20.88
Mean Conc. 214.8mg/L



Sample

Sample Name: 680-99155-l-6
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

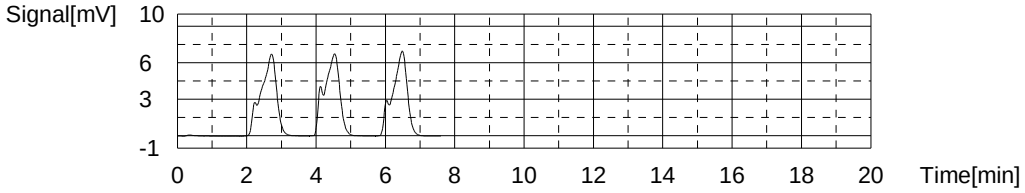
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:214.4mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1289	-23.11mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:25:25 AM
2	20.99	216.1mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:27:29 AM
3	21.12	217.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:29:32 AM
4	20.41	209.5mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:31:36 AM

Mean Area 20.84
Mean Conc. 214.4mg/L



Sample

Sample Name: 680-99155-I-7
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

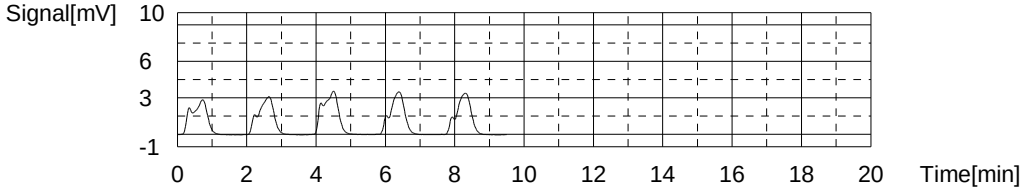
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:88.70mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.033	79.01mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:41:55 AM
2	9.663	86.23mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:43:58 AM
3	11.13	103.1mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:46:02 AM
4	9.961	89.65mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:48:06 AM
5	10.01	90.21mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:50:09 AM

Mean Area 9.878
Mean Conc. 88.70mg/L



Sample

Sample Name: 680-99155-I-8
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

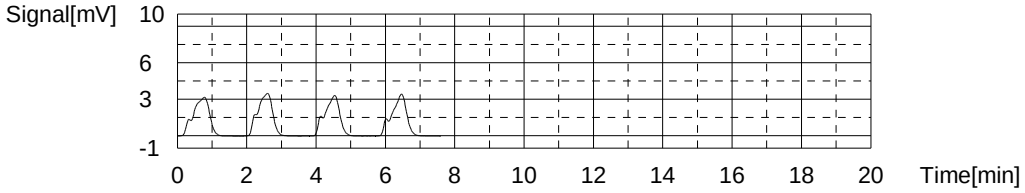
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:91.32mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.33	93.88mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:00:22 AM
2	10.47	95.49mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:02:26 AM
3	9.939	89.40mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:04:29 AM
4	10.05	90.67mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:06:33 AM

Mean Area 10.11
Mean Conc. 91.32mg/L



Sample

Sample Name: 680-99155-I-9
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

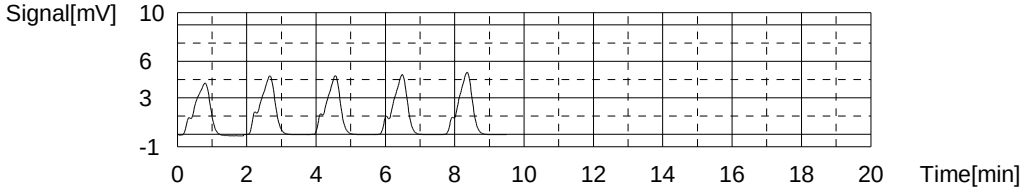
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:34.16mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.25	31.84mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:17:19 AM
2	14.27	34.77mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:19:23 AM
3	13.55	32.70mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:21:26 AM
4	13.87	33.62mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:23:30 AM
5	14.04	34.11mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:25:34 AM

Mean Area 14.06
Mean Conc. 34.16mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

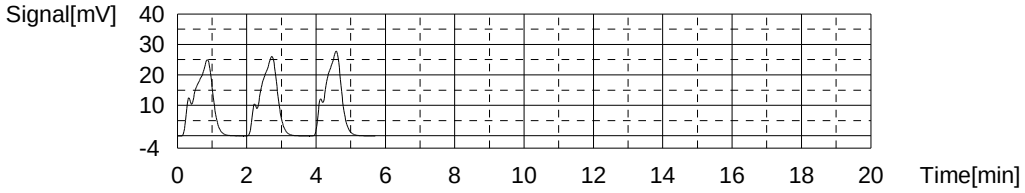
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.07mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	90.36	50.58mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:35:45 AM
2	88.71	49.64mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:37:49 AM
3	89.33	49.99mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:39:53 AM

Mean Area 89.47
Mean Conc. 50.07mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

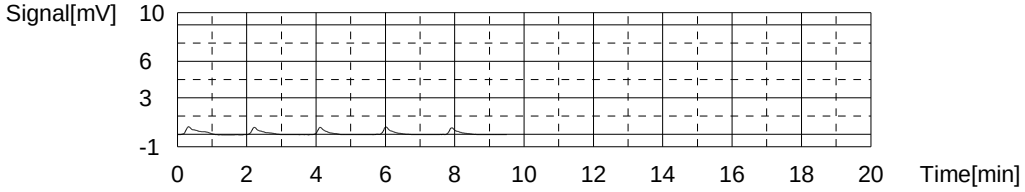
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.6737mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.558	-0.3360mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:50:13 AM
2	1.196	-0.5436mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:52:16 AM
3	0.9995	-0.6562mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:54:20 AM
4	1.003	-0.6542mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:56:23 AM
5	0.9046	-0.7106mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:58:27 AM

Mean Area 0.9690
Mean Conc. -0.6737mg/L



Sample

Sample Name: 680-99155-j-10
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

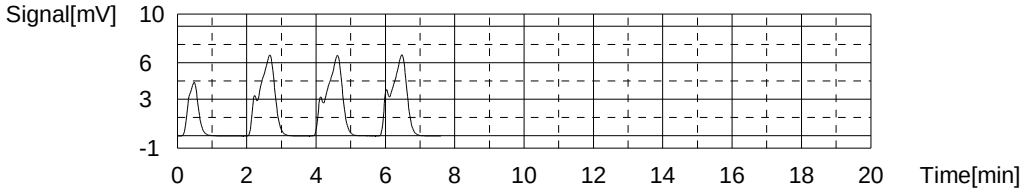
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:216.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.693	75.11mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:08:39 AM
2	20.75	213.4mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:10:43 AM
3	21.17	218.2mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:12:46 AM
4	21.18	218.3mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:14:50 AM

Mean Area 21.03
Mean Conc. 216.6mg/L



Sample

Sample Name: LCS
Sample ID: 415
Origin: TOC415.1A.met
Status Completed
Chk. Result

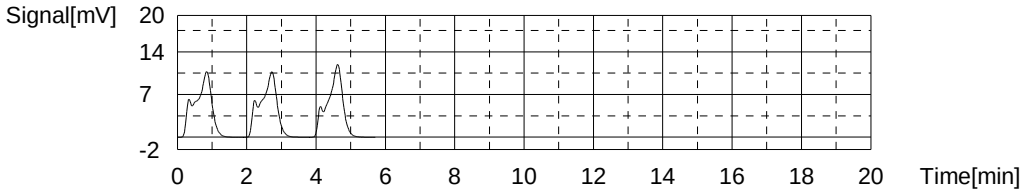
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.30mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.02	19.43mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:25:09 AM
2	35.32	19.02mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:27:12 AM
3	36.04	19.44mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:29:16 AM

Mean Area 35.79
Mean Conc. 19.30mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

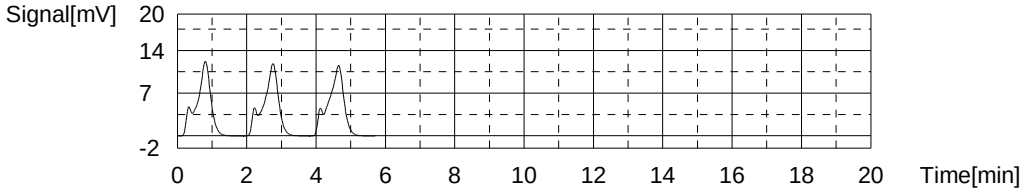
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.96mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.44	18.52mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:36:00 AM
2	35.43	19.09mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:38:04 AM
3	35.75	19.27mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:40:07 AM

Mean Area 35.21
Mean Conc. 18.96mg/L



Sample

Sample Name: 680-99155-j-11
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

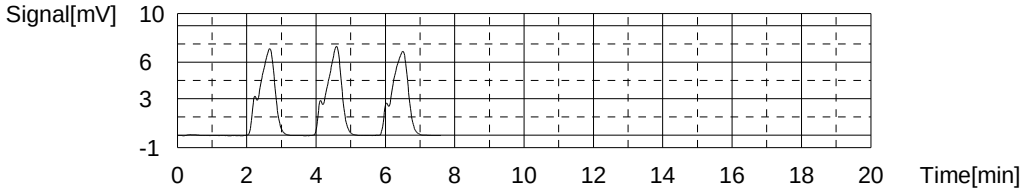
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:228.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1250	-23.15mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:50:27 AM
2	21.92	226.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:52:31 AM
3	22.08	228.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:54:35 AM
4	22.22	230.2mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:56:38 AM

Mean Area 22.07
Mean Conc. 228.6mg/L



Sample

Sample Name: 680-99155-l-12
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

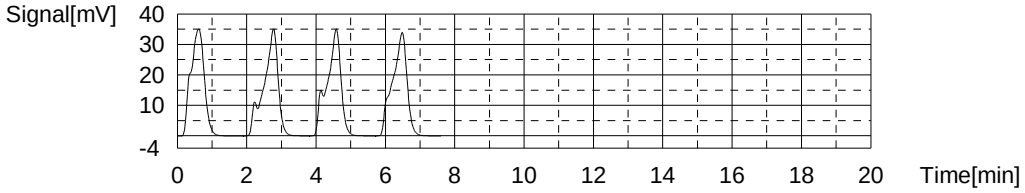
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:1107mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	95.25	1068mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:06:44 PM
2	99.74	1119mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:08:48 PM
3	97.96	1099mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:10:51 PM
4	98.37	1104mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:12:55 PM

Mean Area 98.69
Mean Conc. 1107mg/L



Sample

Sample Name: 680-99155-j-13
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

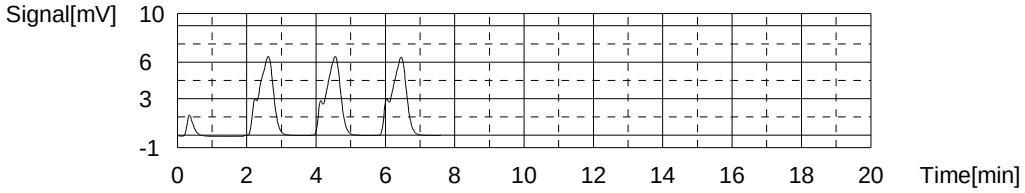
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:196.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.187	0.4941mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:23:02 PM
2	18.99	193.2mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:25:05 PM
3	19.35	197.3mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:27:09 PM
4	19.53	199.4mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:29:12 PM

Mean Area 19.29
Mean Conc. 196.6mg/L



Sample

Sample Name: 680-99155-k-14
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

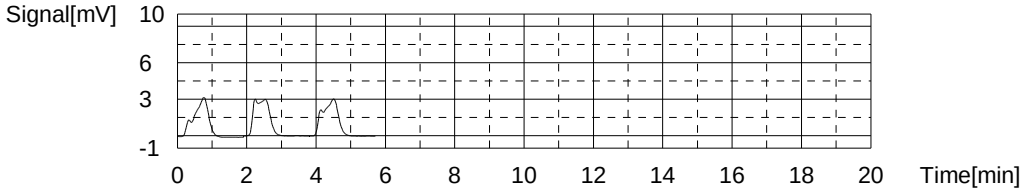
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:83.27mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.206	80.99mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:39:18 PM
2	9.478	84.11mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:41:22 PM
3	9.530	84.71mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:43:26 PM

Mean Area 9.405
Mean Conc. 83.27mg/L



Sample

Sample Name: 680-99155-l-15
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

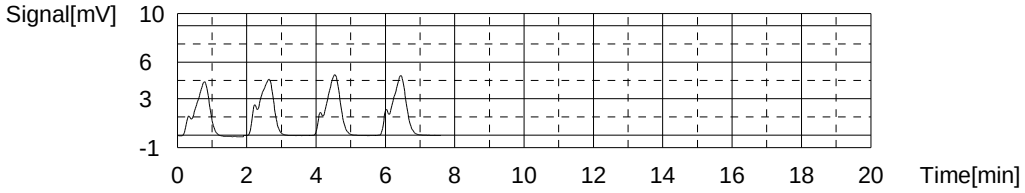
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:138.1mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.90	123.4mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:53:34 PM
2	14.14	137.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:55:37 PM
3	14.18	138.0mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:57:41 PM
4	14.23	138.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:59:45 PM

Mean Area 14.18
Mean Conc. 138.1mg/L



Sample

Sample Name: 680-99155-k-16
Sample ID: M50
Origin: TOC415.1A.met
Status Completed
Chk. Result

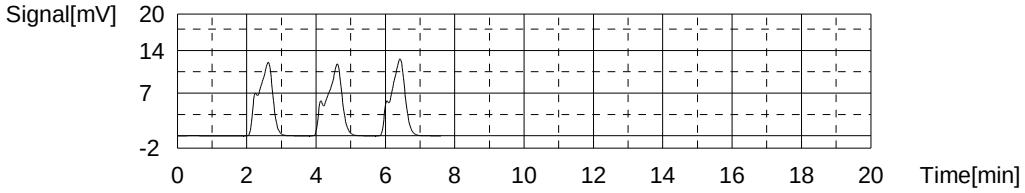
Type	Anal.	Dil.	Result
Unknown	NPOC	50.00	NPOC:967.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1420	-57.40mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:10:05 PM
2	35.22	948.3mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:12:09 PM
3	36.56	986.7mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:14:12 PM
4	35.90	967.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:16:16 PM

Mean Area 35.89
Mean Conc. 967.6mg/L



Sample

Sample Name: 680-99155-k-16 MS
Sample ID: M50
Origin: TOC415.1A.met
Status Completed
Chk. Result

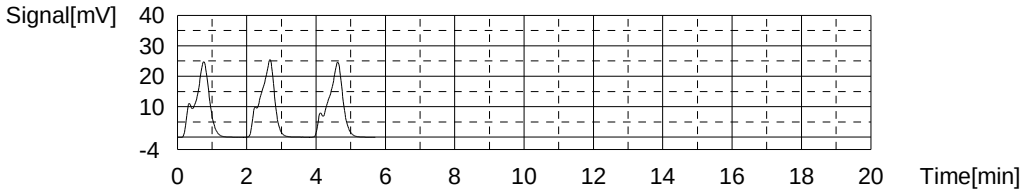
Type	Anal.	Dil.	Result
Unknown	NPOC	50.00	NPOC:1990mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	71.49	1988mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:26:35 PM
2	71.10	1977mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:28:39 PM
3	72.02	2003mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:30:42 PM

Mean Area 71.54
Mean Conc. 1990mg/L



Sample

Sample Name: 680-99155-k-16 MSD
Sample ID: M50
Origin: TOC415.1A.met
Status Completed
Chk. Result

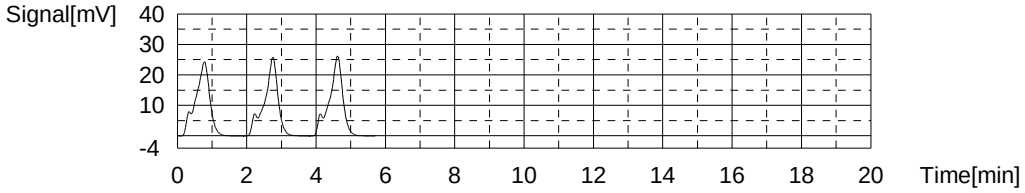
Type	Anal.	Dil.	Result
Unknown	NPOC	50.00	NPOC:1933mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	68.66	1907mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:37:28 PM
2	69.74	1938mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:39:31 PM
3	70.30	1954mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:41:35 PM

Mean Area 69.57
Mean Conc. 1933mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

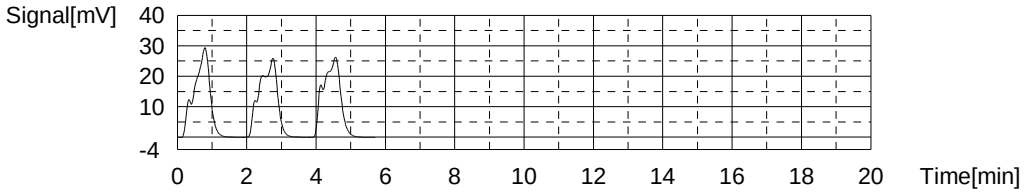
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:51.00mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	90.89	50.89mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:52:09 PM
2	91.27	51.11mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:54:13 PM
3	91.09	51.00mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:56:17 PM

Mean Area 91.08
Mean Conc. 51.00mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

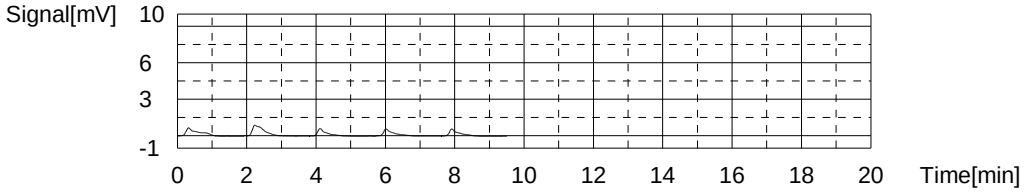
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.6238mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.686	-0.2626mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:06:37 PM
2	2.005	-0.07966mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:08:40 PM
3	1.038	-0.6342mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:10:44 PM
4	1.068	-0.6169mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:12:47 PM
5	1.062	-0.6204mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:14:51 PM

Mean Area	1.056
Mean Conc.	-0.6238mg/L



	Sample Name	Sample ID	Dilution	Result	Action	Date / Time	Vial
1	TC	TC	1.000			3/4/2014 4:59	1, 2, 3, 4, 5, 6

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Cal. Curve

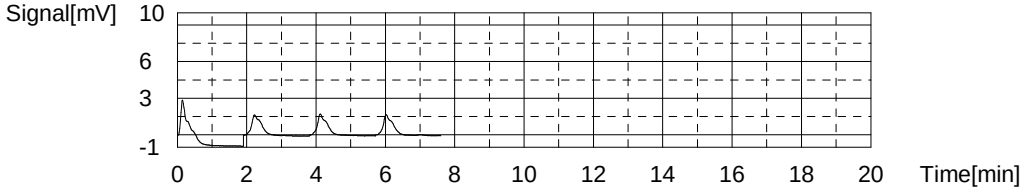
Sample Name:	TC
Sample ID:	TC
Cal. Curve:	TOCCURVE100.2014_03_04_15_36_53.cal
Status	Completed

Type	Anal.
Standard	TC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.000	50uL	1	*******	E	3/4/2014 3:41:51 PM
2	3.107	50uL	1	*******		3/4/2014 3:44:03 PM
3	3.067	50uL	1	*******		3/4/2014 3:46:07 PM
4	2.960	50uL	1	*******		3/4/2014 3:48:10 PM

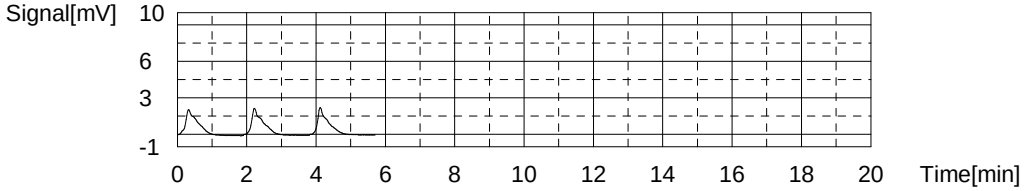
Acid Add. 0.000%
Mean Area 3.045



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.586	50uL	1	*******		3/4/2014 3:54:01 PM
2	4.661	50uL	1	*******		3/4/2014 3:56:05 PM
3	4.521	50uL	1	*******		3/4/2014 3:58:08 PM

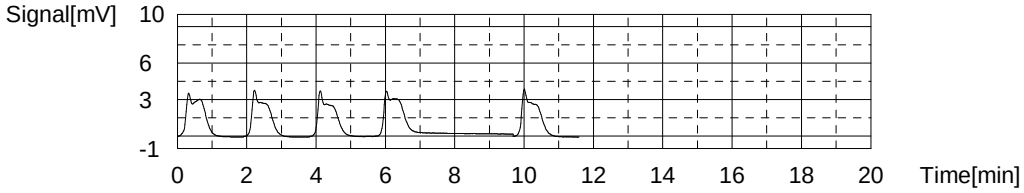
Acid Add. 0.000%
Mean Area 4.589



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	11.18	50uL	1	*******		3/4/2014 4:04:01 PM
2	11.20	50uL	1	*******		3/4/2014 4:06:04 PM
3	10.77	50uL	1	*******	E	3/4/2014 4:08:15 PM
4	14.08	50uL	1	*******	E	3/4/2014 4:12:23 PM
5	11.13	50uL	1	*******		3/4/2014 4:14:27 PM

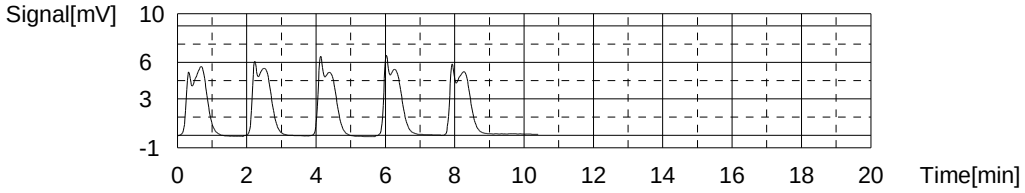
Acid Add. 0.000%
Mean Area 11.17



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	20.19	50uL	1	*******		3/4/2014 4:20:13 PM
2	19.81	50uL	1	*******		3/4/2014 4:22:17 PM
3	18.98	50uL	1	*******	E	3/4/2014 4:24:20 PM
4	19.10	50uL	1	*******	E	3/4/2014 4:26:23 PM
5	20.47	50uL	1	*******		3/4/2014 4:29:21 PM

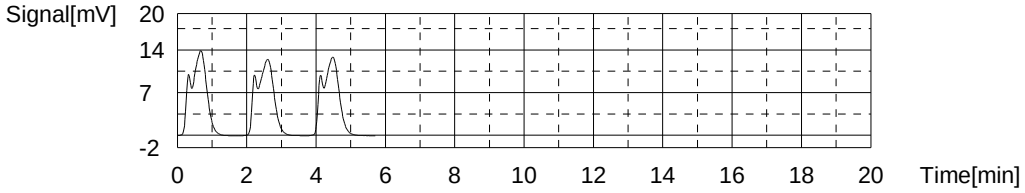
Acid Add. 0.000%
Mean Area 20.16



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	44.55	50uL	1	*******		3/4/2014 4:35:07 PM
2	43.46	50uL	1	*******		3/4/2014 4:37:11 PM
3	43.06	50uL	1	*******		3/4/2014 4:39:14 PM

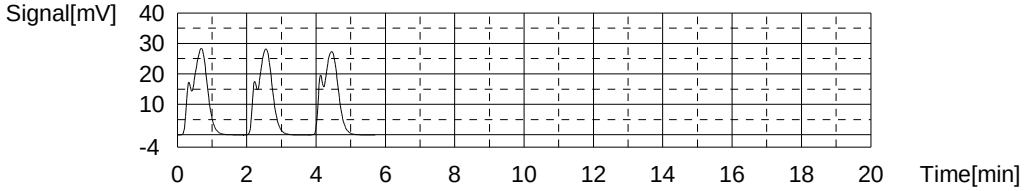
Acid Add. 0.000%
Mean Area 43.69



Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	89.41	50uL	1	*******		3/4/2014 4:45:07 PM
2	86.36	50uL	1	*******		3/4/2014 4:47:10 PM
3	87.07	50uL	1	*******		3/4/2014 4:49:14 PM

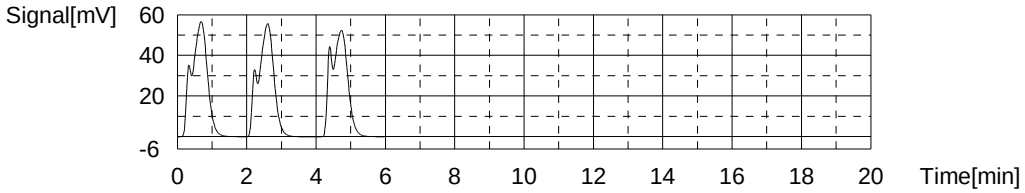
Acid Add. 0.000%
Mean Area 87.61



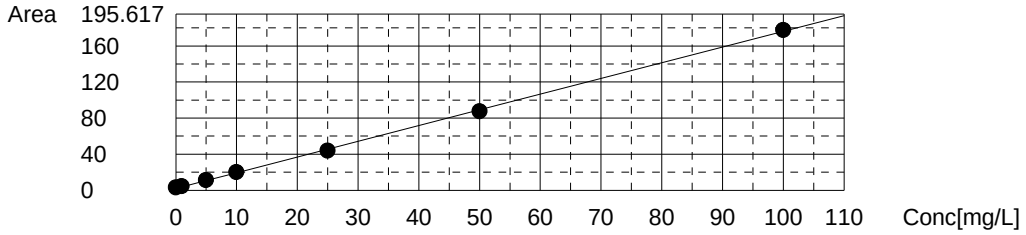
Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	179.9	50uL	1	*******		3/4/2014 4:55:07 PM
2	177.0	50uL	1	*******		3/4/2014 4:57:26 PM
3	176.6	50uL	1	*******		3/4/2014 4:59:29 PM

Acid Add. 0.000%
Mean Area 177.8



Slope:	1.744
Intercept	2.144
r^2	0.999567
r	0.999783
Zero Shift	No



	Sample Name	Sample ID	Dilution	Result	Action	Date / Time	Vial
1	ICV		1.000	NPOC:19.25mg/L		3/5/2014 8:52	1
2	ICB		1.000	NPOC:0.1476mg/L		3/5/2014 9:08	2
3	BICARB		1.000	NPOC:2.312mg/L		3/5/2014 9:36	3
4	RLV		1.000	NPOC:1.199mg/L		3/5/2014 9:53	4
5	LCS	415	1.000	NPOC:19.05mg/L		3/5/2014 10:0	5
6	LCSD		1.000	NPOC:18.90mg/L		3/5/2014 10:1	5
7	680-99066-a-1	10	1.000	NPOC:79.84mg/L		3/5/2014 10:3	6
8	LCS	415TC	1.000	TC:20.09mg/L		3/5/2014 10:4	7
9	LCSD	415TC	1.000	TC:19.58mg/L		3/5/2014 10:5	7
10	MB		1.000	TC:0.5780mg/L		3/5/2014 11:0	8
11	680-98834-t-1		1.000	TC:6.962mg/L		3/5/2014 11:1	9
12	MB		1.000	!!Failed!! TC:-0.4422m		3/5/2014 11:3	8
13	CCV		1.000	NPOC:49.43mg/L		3/5/2014 11:4	19
14	CCB		1.000	NPOC:0.3284mg/L		3/5/2014 12:0	20
15	CCV		1.000	NPOC:49.55mg/L		3/5/2014 12:1	10
16	CCB		1.000	NPOC:0.2646mg/L		3/5/2014 12:3	11
17	LCS	9060	1.000	NPOC:19.40mg/L		3/5/2014 12:5	12
18	680-98888-c-2		1.000	NPOC:1.556mg/L		3/5/2014 1:10	13
19	680-98888-d-3		1.000	NPOC:2.658mg/L		3/5/2014 1:28	14
20	680-98888-e-3 MS		1.000	NPOC:21.01mg/L		3/5/2014 1:45	15
21	680-98888-e-3 MSD		1.000	NPOC:20.82mg/L		3/5/2014 1:58	15
22	680-98888-d-4		1.000	NPOC:2.376mg/L		3/5/2014 2:16	16
23	680-98888-c-5		1.000	NPOC:4.203mg/L		3/5/2014 2:35	17
24	680-98888-d-7	10	1.000	NPOC:576.0mg/L		3/5/2014 2:52	18
25	CCV		1.000	NPOC:50.12mg/L		3/5/2014 3:11	10
26	CCB		1.000	NPOC:0.3102mg/L		3/5/2014 3:29	11

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	ICV
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

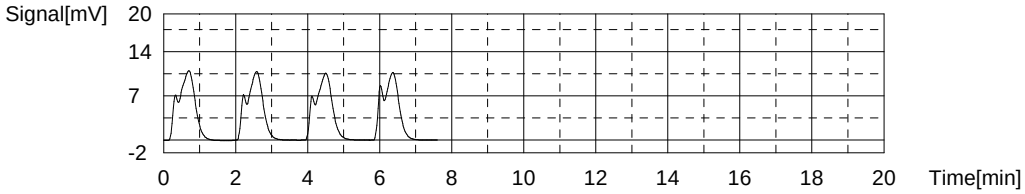
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.25mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.28	20.21mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:46:09 AM
2	34.66	19.29mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:48:12 AM
3	34.79	19.36mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:50:15 AM
4	34.33	19.10mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 8:52:18 AM

Mean Area 34.59
Mean Conc. 19.25mg/L



Sample

Sample Name:	ICB
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

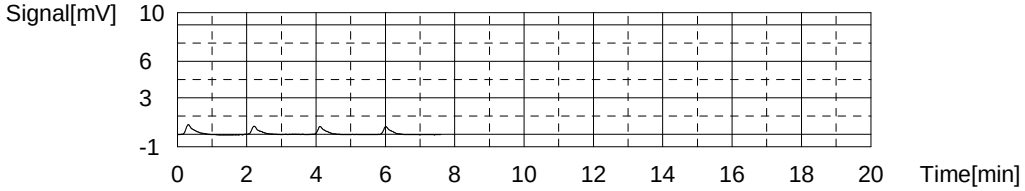
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1476mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.332	0.3589mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:02:34 AM
2	0.9938	0.1668mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:04:37 AM
3	0.9874	0.1632mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:06:40 AM
4	0.8988	0.1129mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:08:43 AM

Mean Area 0.9600
Mean Conc. 0.1476mg/L



Sample

Sample Name: BICARB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

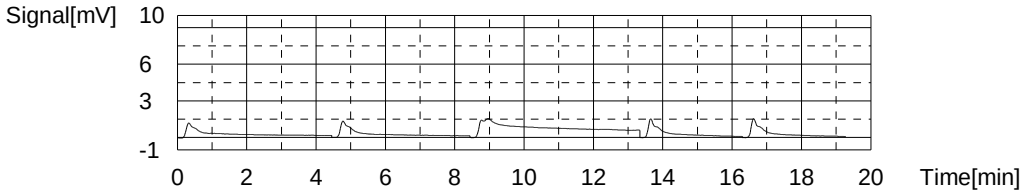
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.312mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.889	2.947mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:21:18 AM
2	4.989	2.436mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:25:25 AM
3	14.57	7.878mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:30:28 AM
4	4.658	2.248mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:33:35 AM
5	4.663	2.251mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:36:42 AM

Mean Area 4.770
Mean Conc. 2.312mg/L



Sample

Sample Name: RLV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

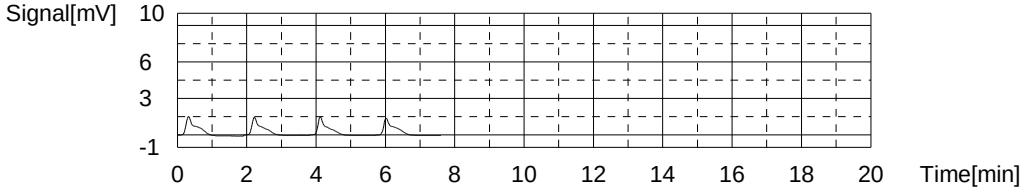
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.199mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.062	1.342mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:46:51 AM
2	2.824	1.206mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:48:54 AM
3	2.742	1.160mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:50:57 AM
4	2.868	1.231mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 9:53:00 AM

Mean Area 2.811
Mean Conc. 1.199mg/L



Sample

Sample Name: LCS
Sample ID: 415
Origin: TOC415.1A.met
Status Completed
Chk. Result

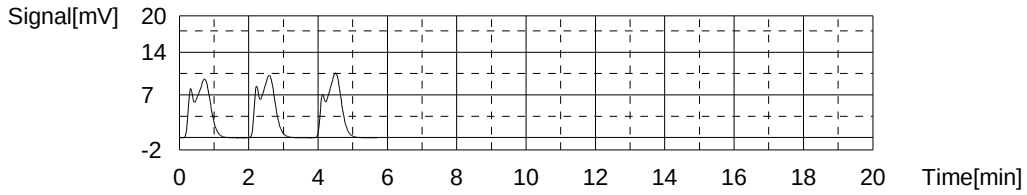
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.05mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.17	19.01mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:03:15 AM
2	34.34	19.11mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:05:18 AM
3	34.23	19.04mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:07:21 AM

Mean Area 34.25
Mean Conc. 19.05mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

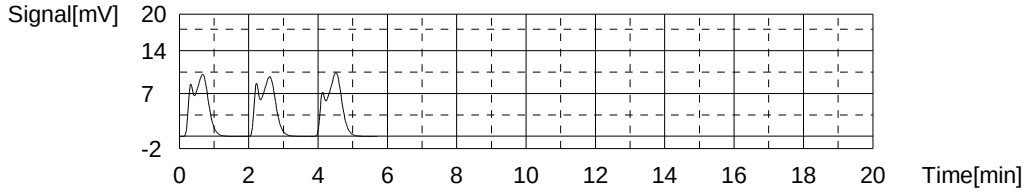
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.90mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.40	18.57mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:14:09 AM
2	34.17	19.01mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:16:12 AM
3	34.35	19.11mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:18:15 AM

Mean Area 33.97
Mean Conc. 18.90mg/L



Sample

Sample Name: 680-99066-a-1
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

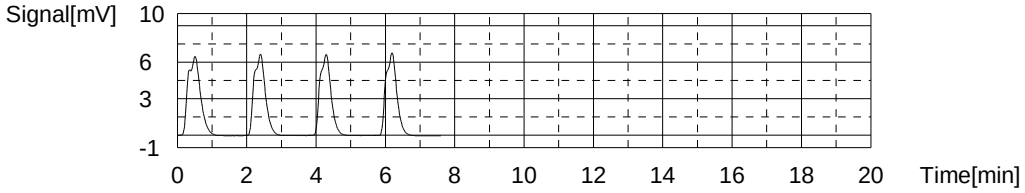
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:79.84mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.98	86.79mg/L	50uL	10	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:29:12 AM
2	15.04	81.45mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:31:15 AM
3	14.47	78.21mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:33:18 AM
4	14.76	79.86mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:35:21 AM

Mean Area 14.76
Mean Conc. 79.84mg/L



Sample

Sample Name: LCS
Sample ID: 415TC
Origin: TC415.1.met
Status Completed
Chk. Result

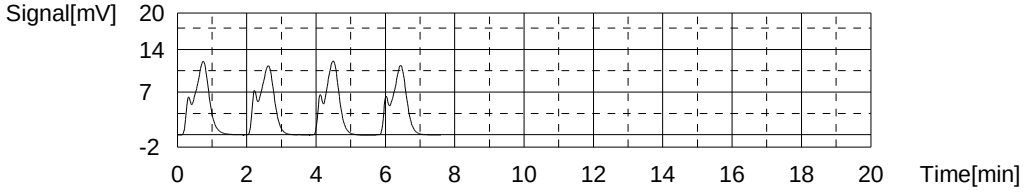
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:20.09mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.89	21.12mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:41:12 AM
2	36.44	20.30mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:43:16 AM
3	36.35	20.25mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:45:19 AM
4	35.43	19.73mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:47:22 AM

Mean Area 36.07
Mean Conc. 20.09mg/L



Sample

Sample Name: LCSD
Sample ID: 415TC
Origin: TC415.1.met
Status Completed
Chk. Result

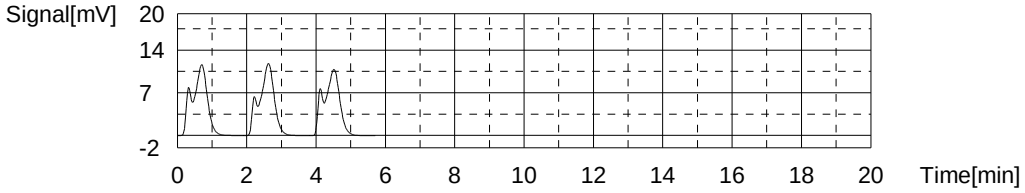
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:19.58mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.30	19.65mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:51:24 AM
2	35.29	19.65mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:53:27 AM
3	34.91	19.43mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 10:55:31 AM

Mean Area 35.17
Mean Conc. 19.58mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TC415.1.met
Status Completed
Chk. Result

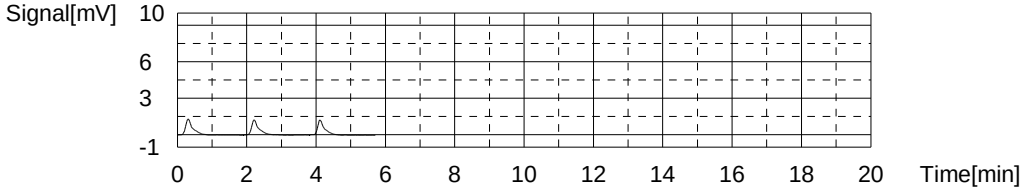
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:0.5780mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.801	0.6253mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:01:23 AM
2	1.689	0.5617mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:03:26 AM
3	1.663	0.5469mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:05:29 AM

Mean Area 1.718
Mean Conc. 0.5780mg/L



Sample

Sample Name: 680-98834-t-1
Sample ID:
Origin: TC415.1.met
Status Completed
Chk. Result

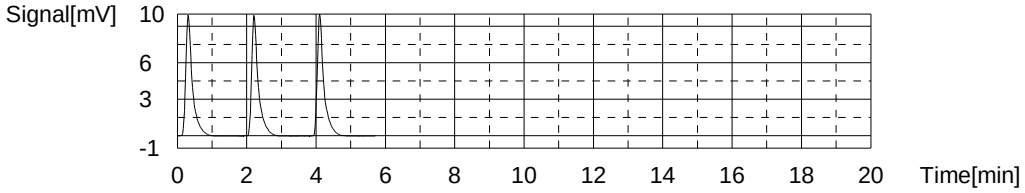
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:6.962mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.93	6.946mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:11:22 AM
2	12.97	6.969mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:13:25 AM
3	12.97	6.969mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:15:28 AM

Mean Area 12.96
Mean Conc. 6.962mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TC415.1.met
Status Completed
Chk. Result

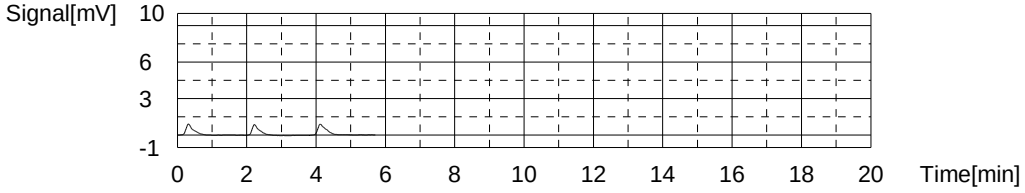
Type	Anal.	Dil.	Result
Unknown	TC	1.000	!!Failed!! TC:-0.4422mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.330	-0.4667mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/5/2014 11:26:33 AM
2	1.311	-0.4776mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/5/2014 11:28:36 AM
3	1.477	-0.3824mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/5/2014 11:30:40 AM

Mean Area 1.373
Mean Conc. -0.4422mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

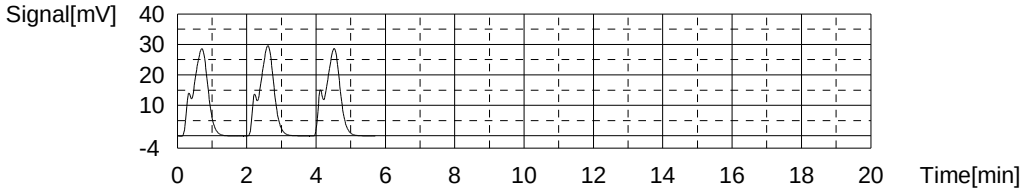
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.43mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.51	49.31mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:40:48 AM
2	87.86	49.51mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:42:52 AM
3	87.83	49.49mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:44:55 AM

Mean Area 87.73
Mean Conc. 49.43mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

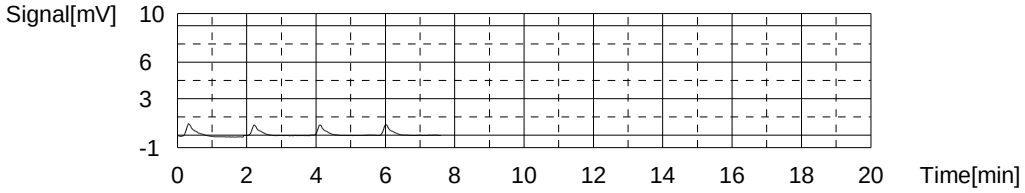
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3284mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.768	0.6066mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:54:58 AM
2	1.281	0.3300mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:57:02 AM
3	1.248	0.3112mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 11:59:05 AM
4	1.306	0.3442mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:01:08 PM

Mean Area 1.278
Mean Conc. 0.3284mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

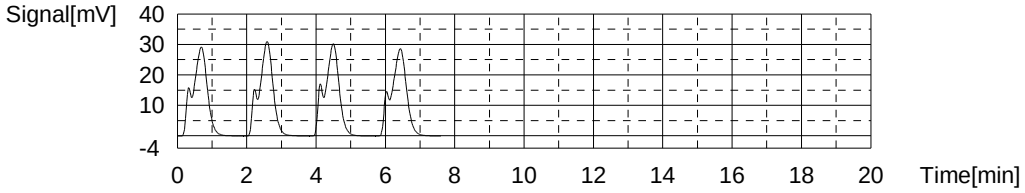
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.55mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.13	48.52mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:11:33 PM
2	87.85	49.50mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:13:36 PM
3	89.12	50.22mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:15:40 PM
4	88.67	49.97mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:17:43 PM

Mean Area 87.94
Mean Conc. 49.55mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

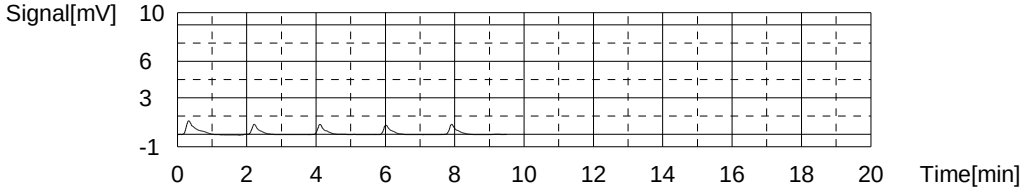
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2646mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.161	0.8298mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:27:58 PM
2	1.162	0.2624mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:30:02 PM
3	1.151	0.2561mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:32:05 PM
4	1.127	0.2425mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:34:08 PM
5	1.224	0.2976mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:36:11 PM

Mean Area 1.166
Mean Conc. 0.2646mg/L



Sample

Sample Name: LCS
Sample ID: 9060
Origin: TOC9060.met
Status Completed
Chk. Result

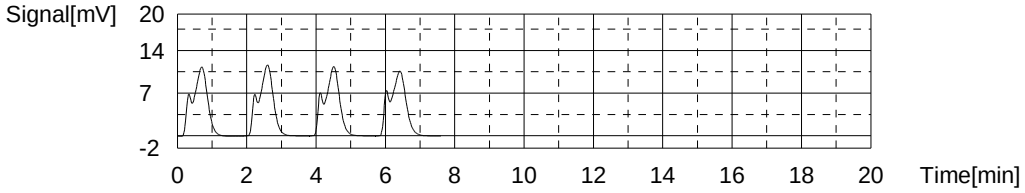
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.40mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.78	19.36mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:46:07 PM
2	34.78	19.36mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:48:11 PM
3	34.87	19.41mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:50:15 PM
4	35.00	19.48mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 12:52:18 PM

Mean Area 34.86
Mean Conc. 19.40mg/L



Sample

Sample Name: 680-98888-c-2
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

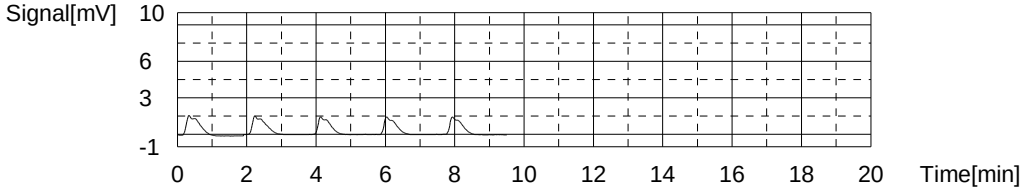
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.556mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.139	1.953mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:02:20 PM
2	3.856	1.793mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:04:23 PM
3	3.355	1.508mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:06:26 PM
4	3.288	1.470mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:08:29 PM
5	3.261	1.455mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:10:32 PM

Mean Area 3.440
Mean Conc. 1.556mg/L



Sample

Sample Name: 680-98888-d-3
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

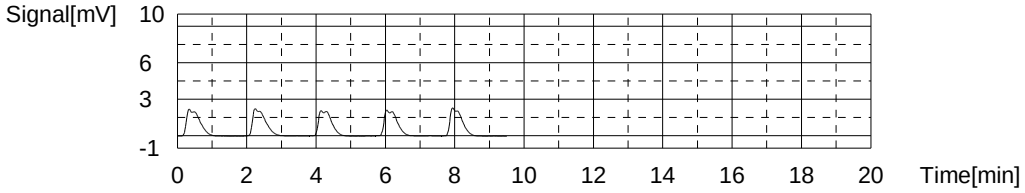
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.658mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.631	2.801mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:20:43 PM
2	5.585	2.775mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:22:47 PM
3	5.289	2.606mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:24:50 PM
4	5.243	2.580mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:26:53 PM
5	5.399	2.669mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:28:56 PM

Mean Area 5.379
Mean Conc. 2.658mg/L



Sample

Sample Name: 680-98888-e-3 MS
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

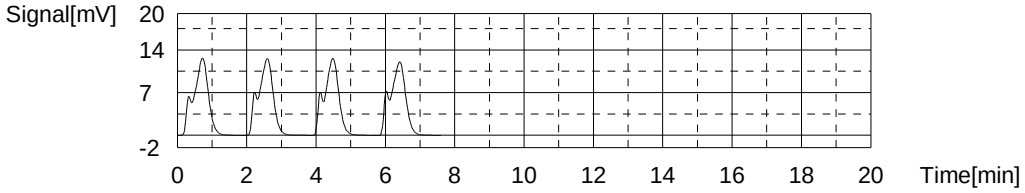
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.01mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.92	21.14mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:39:06 PM
2	37.77	21.06mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:41:10 PM
3	37.27	20.77mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:43:13 PM
4	37.79	21.07mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:45:16 PM

Mean Area 37.69
Mean Conc. 21.01mg/L



Sample

Sample Name: 680-98888-e-3 MSD
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

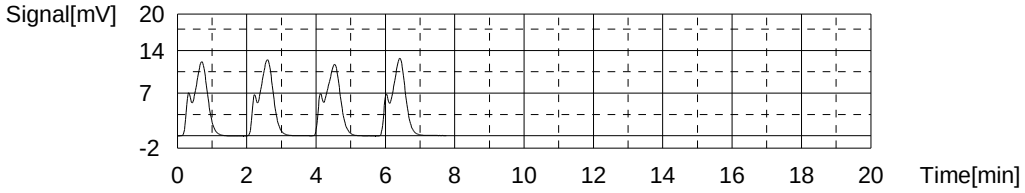
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.82mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.77	20.49mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:52:01 PM
2	37.09	20.67mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:54:04 PM
3	37.55	20.93mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:56:07 PM
4	38.02	21.20mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 1:58:19 PM

Mean Area 37.36
Mean Conc. 20.82mg/L



Sample

Sample Name: 680-98888-d-4
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

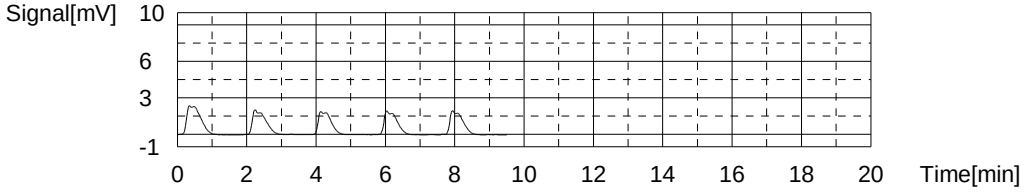
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.376mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.460	3.272mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:08:35 PM
2	5.187	2.549mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:10:38 PM
3	4.673	2.257mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:12:41 PM
4	4.808	2.333mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:14:44 PM
5	4.864	2.365mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:16:50 PM

Mean Area 4.883
Mean Conc. 2.376mg/L



Sample

Sample Name: 680-98888-c-5
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

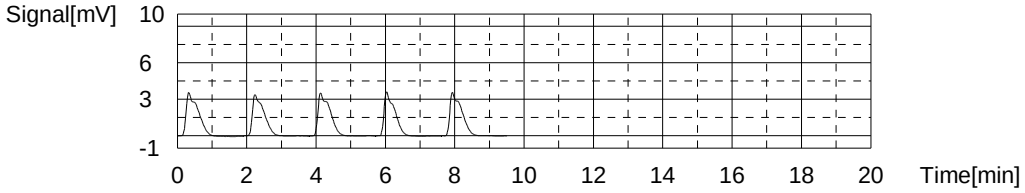
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.203mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.339	4.339mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:27:19 PM
2	7.637	3.940mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:29:23 PM
3	8.225	4.274mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:31:27 PM
4	7.555	3.894mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:33:30 PM
5	8.197	4.258mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:35:34 PM

Mean Area 8.100
Mean Conc. 4.203mg/L



Sample

Sample Name: 680-98888-d-7
Sample ID: 10
Origin: TOC9060.met
Status Completed
Chk. Result

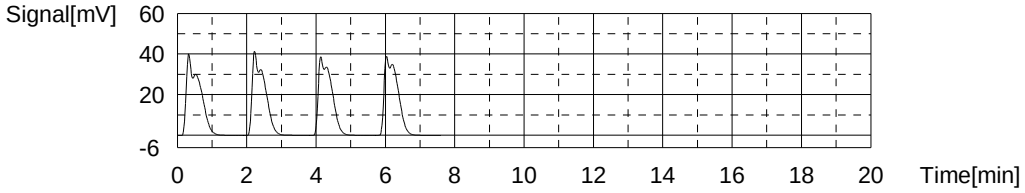
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:576.0mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	104.6	590.1mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:46:26 PM
2	101.1	570.3mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:48:29 PM
3	99.92	563.6mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:50:33 PM
4	102.8	579.9mg/L	50uL	10		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 2:52:36 PM

Mean Area 102.1
Mean Conc. 576.0mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

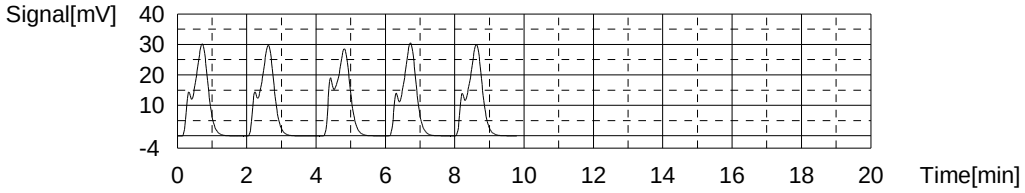
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.12mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	89.06	50.19mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:02:50 PM
2	87.58	49.35mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:05:10 PM
3	92.43	52.10mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:07:13 PM
4	89.67	50.53mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:09:16 PM
5	89.43	50.40mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:11:20 PM

Mean Area 88.94
Mean Conc. 50.12mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

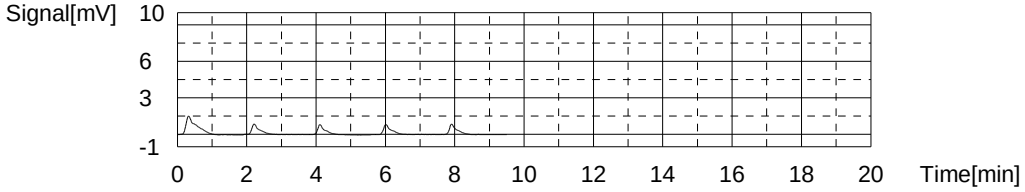
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3102mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.186	1.412mg/L	50uL	1	E	TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:21:29 PM
2	1.297	0.3390mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:23:32 PM
3	1.150	0.2555mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:25:36 PM
4	1.258	0.3169mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:27:39 PM
5	1.280	0.3294mg/L	50uL	1		TOCCURVE100.2014_01_02_16_18_47.cal	3/5/2014 3:29:42 PM

Mean Area 1.246
Mean Conc. 0.3102mg/L



	Sample Name	Sample ID	Dilution	Result	Date / Time	Vial
1	CCV		1.000	NPOC:49.36mg/L	3/14/2014 11:15:31 AM	13
2	CCB		1.000	!!Failed!! NPOC:-0.9683mg/L	3/14/2014 11:31:59 AM	14
3	LCS	415	1.000	NPOC:18.86mg/L	3/14/2014 11:46:29 AM	15
4	LCSD		1.000	NPOC:18.80mg/L	3/14/2014 11:59:13 AM	15
5	640-47075-i-1		1.000	!!Failed!! NPOC:-0.7755mg/L	3/14/2014 12:13:36 PM	16
6	640-47075-k-1 MS		1.000	NPOC:19.13mg/L	3/14/2014 12:28:02 PM	17
7	640-47075-k-1 MSD		1.000	NPOC:19.12mg/L	3/14/2014 12:40:58 PM	17
8	640-47075-k-2		1.000	!!Failed!! NPOC:-0.8261mg/L	3/14/2014 12:57:23 PM	18
9	640-47075-j-3		1.000	!!Failed!! NPOC:-0.6779mg/L	3/14/2014 1:13:49 PM	19
10	640-47075-j-4		1.000	!!Failed!! NPOC:-0.7179mg/L	3/14/2014 1:30:14 PM	20
11	640-47075-i-5		1.000	!!Failed!! NPOC:-0.7045mg/L	3/14/2014 1:44:37 PM	21
12	640-47075-k-6		1.000	NPOC:0.2994mg/L	3/14/2014 2:03:07 PM	22
13	CCV		1.000	NPOC:49.61mg/L	3/14/2014 2:17:32 PM	23
14	CCB		1.000	!!Failed!! NPOC:-1.097mg/L	3/14/2014 2:36:04 PM	24
15	680-99142-a-1	5	1.000	NPOC:89.34mg/L	3/14/2014 2:55:11 PM	25
16	680-99142-a-1 DU	5	1.000	NPOC:87.59mg/L	3/14/2014 3:08:22 PM	25
17	680-99142-b-2		1.000	NPOC:42.85mg/L	3/14/2014 3:22:47 PM	26
18	680-99142-b-3	5	1.000	NPOC:67.18mg/L	3/14/2014 3:39:56 PM	27
19	680-99142-b-4	50	1.000	NPOC:1954mg/L	3/14/2014 5:08:58 PM	28
20	680-99142-c-5	20	1.000	NPOC:602.3mg/L	3/14/2014 5:24:03 PM	29
21	680-99142-b-6	20	1.000	NPOC:552.2mg/L	3/14/2014 5:39:08 PM	30
22	680-99142-c-7		1.000	NPOC:29.26mg/L	3/14/2014 5:53:32 PM	31
23	680-99142-a-8	50	1.000	NPOC:2694mg/L	3/14/2014 6:08:39 PM	32
24	680-99142-a-9	50	1.000	NPOC:2481mg/L	3/14/2014 6:27:52 PM	33
25	CCV		1.000	NPOC:52.92mg/L	3/14/2014 6:44:36 PM	23
26	CCB		1.000	!!Failed!! NPOC:-0.6715mg/L	3/14/2014 6:58:58 PM	24
27	680-99142-a-10		1.000	NPOC:777.9mg/L	3/14/2014 7:15:42 PM	34
28	680-99142-a-11	20	1.000	NPOC:703.6mg/L	3/14/2014 7:30:33 PM	35
29	680-99142-b-12		1.000	NPOC:18.51mg/L	3/14/2014 7:44:46 PM	36
30	680-99142-c-13	5	1.000	NPOC:76.93mg/L	3/14/2014 8:01:54 PM	37
31	680-99142-a-14		1.000	NPOC:1.468mg/L	3/14/2014 8:18:22 PM	38
32	LCS	415	1.000	NPOC:19.27mg/L	3/14/2014 8:32:44 PM	39
33	LCSD		1.000	NPOC:19.31mg/L	3/14/2014 8:45:27 PM	39
34	680-99142-b-16	10	1.000	NPOC:673.3mg/L	3/14/2014 9:02:35 PM	40
35	680-99142-a-16 MS	10	1.000	NPOC:692.8mg/L	3/14/2014 9:19:30 PM	41
36	680-99142-a-16 MSD	10	1.000	NPOC:697.2mg/L	3/14/2014 9:34:47 PM	41
37	CCV		1.000	NPOC:51.17mg/L	3/14/2014 9:49:16 PM	42
38	CCB		1.000	!!Failed!! NPOC:-0.8338mg/L	3/14/2014 10:07:47 PM	43
39	680-99155-j-1	M20	20.00	NPOC:198.8mg/L	3/14/2014 10:26:14 PM	44
40	680-99155-j-1 DU	M20	20.00	NPOC:193.9mg/L	3/14/2014 10:39:03 PM	44
41	680-99155-k-2	M20	20.00	NPOC:233.1mg/L	3/14/2014 10:55:31 PM	45
42	680-99155-j-3	5	1.000	NPOC:83.99mg/L	3/14/2014 11:10:35 PM	46
43	680-99155-j-4	M20	20.00	NPOC:199.5mg/L	3/14/2014 11:25:00 PM	47
44	680-99155-k-17	M20	20.00	NPOC:940.6mg/L	3/14/2014 11:43:33 PM	48
45	680-99155-k-18	M20	20.00	NPOC:192.6mg/L	3/15/2014 12:01:58 AM	49
46	680-99155-l-19	M20	20.00	NPOC:137.1mg/L	3/15/2014 12:16:03 AM	50
47	680-99155-l-20	M20	20.00	NPOC:85.44mg/L	3/15/2014 12:34:23 AM	51
48	680-99155-l-21		1.000	NPOC:24.84mg/L	3/15/2014 12:52:50 AM	52
49	CCV		1.000	NPOC:50.55mg/L	3/15/2014 1:07:23 AM	42
50	CCB		1.000	!!Failed!! NPOC:-0.7842mg/L	3/15/2014 1:25:55 AM	43
51	680-99155-l-22	M50	50.00	NPOC:751.6mg/L	3/15/2014 1:42:23 AM	53
52	680-99155-l-23	M20	20.00	NPOC:176.0mg/L	3/15/2014 1:58:49 AM	54
53	680-99155-k-24	M20	20.00	NPOC:218.7mg/L	3/15/2014 2:15:04 AM	55
54	680-99165-d-1		1.000	NPOC:1.156mg/L	3/15/2014 2:31:20 AM	56
55	680-99165-e-2		1.000	NPOC:0.4718mg/L	3/15/2014 2:45:32 AM	57
56	680-99166-j-2		1.000	!!Failed!! NPOC:-0.07411mg/L	3/15/2014 3:02:02 AM	58
57	680-99170-h-1		1.000	NPOC:14.80mg/L	3/15/2014 3:16:15 AM	59
58	680-99170-h-2		1.000	NPOC:17.68mg/L	3/15/2014 3:30:41 AM	60
59	680-99170-i-3		1.000	NPOC:261.5mg/L	3/15/2014 3:47:11 AM	61
60	680-99170-h-4		1.000	NPOC:2.045mg/L	3/15/2014 4:03:40 AM	62
61	CCV		1.000	NPOC:50.93mg/L	3/15/2014 4:20:11 AM	63
62	CCB		1.000	!!Failed!! NPOC:-0.7915mg/L	3/15/2014 4:38:30 AM	64
63	LCS	415	1.000	NPOC:19.15mg/L	3/15/2014 4:52:37 AM	65
64	LCSD		1.000	NPOC:19.33mg/L	3/15/2014 5:05:20 AM	65
65	680-99170-i-6		1.000	NPOC:3.219mg/L	3/15/2014 5:21:49 AM	66
66	680-99170-j-6 MS		1.000	NPOC:22.98mg/L	3/15/2014 5:36:14 AM	67
67	680-99170-j-6 MSD		1.000	NPOC:23.50mg/L	3/15/2014 5:51:15 AM	67
68	680-99170-j-7		1.000	NPOC:3.595mg/L	3/15/2014 6:07:38 AM	68
69	680-99170-j-8		1.000	NPOC:6.252mg/L	3/15/2014 6:22:04 AM	69
70	680-99190-c-1		1.000	NPOC:3.189mg/L	3/15/2014 6:38:21 AM	70

	Sample Name	Sample ID	Dilution	Result	Date / Time	Vial
71	680-99190-b-2		1.000	NPOC:1.671mg/L	3/15/2014 6:52:47 AM	71
72	680-99193-c-2		1.000	NPOC:0.6604mg/L	3/15/2014 7:07:13 AM	72
73	CCV		1.000	NPOC:50.38mg/L	3/15/2014 7:23:38 AM	63
74	CCB		1.000	!!Failed!! NPOC:-0.7330mg/L	3/15/2014 7:42:09 AM	64
75	680-99215-b-1		1.000	NPOC:1.673mg/L	3/15/2014 7:58:27 AM	73
76	680-99215-b-1 DU		1.000	NPOC:1.591mg/L	3/15/2014 8:09:06 AM	73
77	680-99215-d-2		1.000	NPOC:1.786mg/L	3/15/2014 8:25:38 AM	74
78	680-99241-a-6		1.000	NPOC:2.875mg/L	3/15/2014 8:42:07 AM	75
79	680-99241-a-7		1.000	NPOC:3.246mg/L	3/15/2014 8:58:37 AM	76
80	680-99155-j-5	M20	20.00	NPOC:214.8mg/L	3/15/2014 9:15:06 AM	77
81	680-99155-l-6	M20	20.00	NPOC:214.4mg/L	3/15/2014 9:31:36 AM	78
82	680-99155-l-7	M20	20.00	NPOC:88.70mg/L	3/15/2014 9:50:09 AM	79
83	680-99155-l-8	M20	20.00	NPOC:91.32mg/L	3/15/2014 10:06:33 AM	80
84	680-99155-l-9	5	1.000	NPOC:34.16mg/L	3/15/2014 10:25:34 AM	81
85	CCV		1.000	NPOC:50.07mg/L	3/15/2014 10:39:53 AM	82
86	CCB		1.000	!!Failed!! NPOC:-0.6737mg/L	3/15/2014 10:58:27 AM	83
87	680-99155-j-10	M20	20.00	NPOC:216.6mg/L	3/15/2014 11:14:50 AM	84
88	LCS	415	1.000	NPOC:19.30mg/L	3/15/2014 11:29:16 AM	85
89	LCSD		1.000	NPOC:18.96mg/L	3/15/2014 11:40:07 AM	85
90	680-99155-j-11	M20	20.00	NPOC:228.6mg/L	3/15/2014 11:56:38 AM	86
91	680-99155-l-12	M20	20.00	NPOC:1107mg/L	3/15/2014 12:12:55 PM	87
92	680-99155-j-13	M20	20.00	NPOC:196.6mg/L	3/15/2014 12:29:12 PM	88
93	680-99155-k-14	M20	20.00	NPOC:83.27mg/L	3/15/2014 12:43:26 PM	89
94	680-99155-l-15	M20	20.00	NPOC:138.1mg/L	3/15/2014 12:59:45 PM	90
95	680-99155-k-16	M50	50.00	NPOC:967.6mg/L	3/15/2014 1:16:16 PM	91
96	680-99155-k-16 MS	M50	50.00	NPOC:1990mg/L	3/15/2014 1:30:42 PM	92
97	680-99155-k-16 MSD	M50	50.00	NPOC:1933mg/L	3/15/2014 1:41:35 PM	92
98	CCV		1.000	NPOC:51.00mg/L	3/15/2014 1:56:17 PM	82
99	CCB		1.000	!!Failed!! NPOC:-0.6238mg/L	3/15/2014 2:14:51 PM	83

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	CCV
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

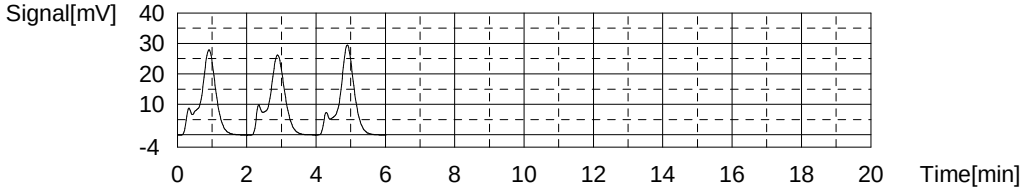
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.36mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	89.05	49.83mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:11:12 AM
2	86.96	48.64mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:13:18 AM
3	88.67	49.62mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:15:31 AM

Mean Area 88.23
Mean Conc. 49.36mg/L



Sample

Sample Name:	CCB
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

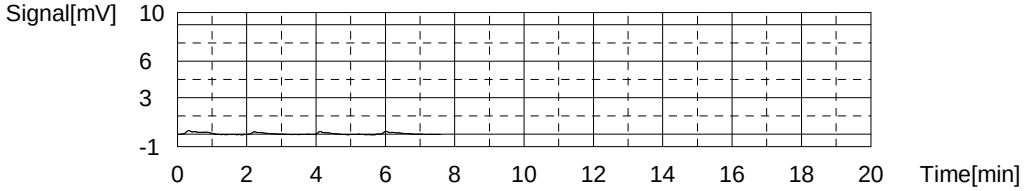
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.9683mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.025	-0.6416mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:25:48 AM
2	0.4179	-0.9897mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:27:52 AM
3	0.4793	-0.9545mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:29:56 AM
4	0.4687	-0.9606mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:31:59 AM

Mean Area 0.4553
Mean Conc. -0.9683mg/L



Sample

Sample Name: LCS
Sample ID: 415
Origin: TOC415.1A.met
Status Completed
Chk. Result

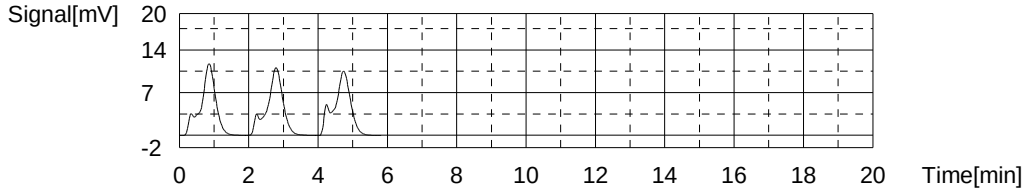
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.86mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.90	18.78mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:42:15 AM
2	35.12	18.91mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:44:25 AM
3	35.07	18.88mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:46:29 AM

Mean Area 35.03
Mean Conc. 18.86mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

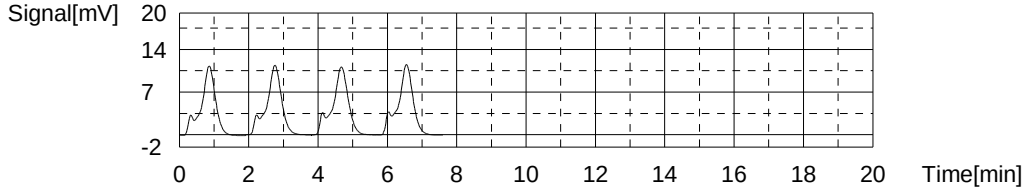
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.80mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.01	17.70mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:53:02 AM
2	34.36	18.47mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:55:05 AM
3	35.20	18.95mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:57:09 AM
4	35.21	18.96mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:59:13 AM

Mean Area 34.92
Mean Conc. 18.80mg/L



Sample

Sample Name: 640-47075-i-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

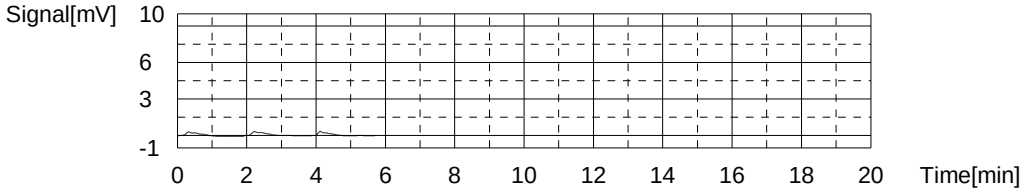
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.7755mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8304	-0.7532mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:09:28 PM
2	0.8285	-0.7543mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:11:33 PM
3	0.7155	-0.8191mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:13:36 PM

Mean Area 0.7915
Mean Conc. -0.7755mg/L



Sample

Sample Name: 640-47075-k-1 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

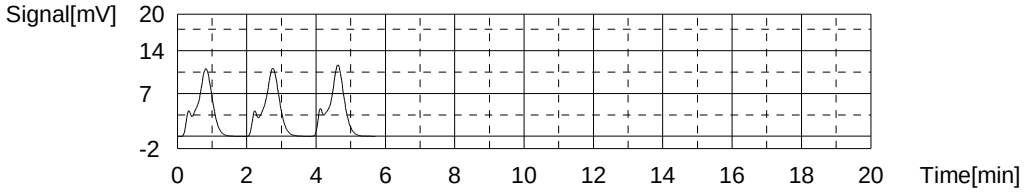
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.13mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.95	18.81mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:23:55 PM
2	35.70	19.24mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:25:58 PM
3	35.87	19.34mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:28:02 PM

Mean Area 35.51
Mean Conc. 19.13mg/L



Sample

Sample Name: 640-47075-k-1 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

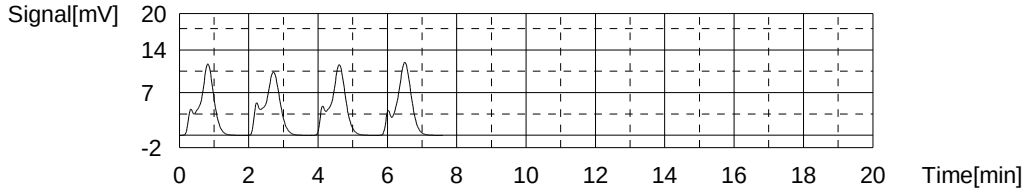
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.12mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.55	18.58mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:34:47 PM
2	34.70	18.67mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:36:51 PM
3	35.85	19.33mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:38:54 PM
4	35.93	19.37mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:40:58 PM

Mean Area 35.49
Mean Conc. 19.12mg/L



Sample

Sample Name: 640-47075-k-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

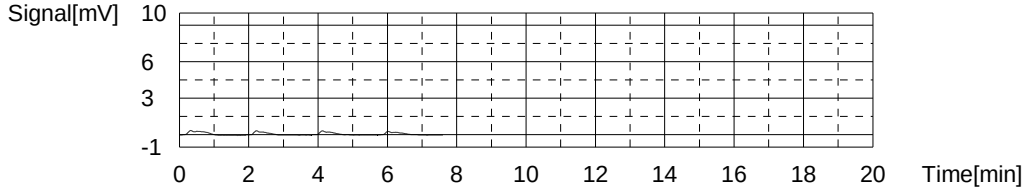
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.8261mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.123	-0.5854mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:51:12 PM
2	0.7427	-0.8035mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:53:15 PM
3	0.6716	-0.8443mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:55:19 PM
4	0.6956	-0.8305mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 12:57:23 PM

Mean Area 0.7033
Mean Conc. -0.8261mg/L



Sample

Sample Name: 640-47075-j-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

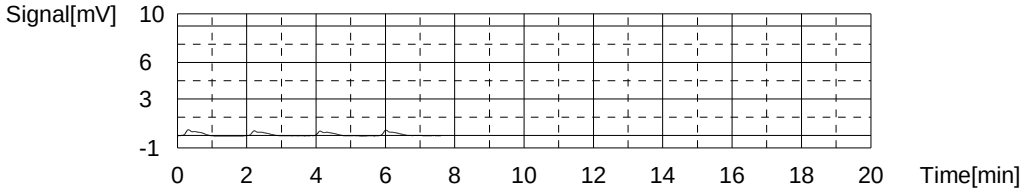
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.6779mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.213	-0.5338mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:07:38 PM
2	0.9802	-0.6673mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:09:42 PM
3	0.9317	-0.6951mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:11:45 PM
4	0.9730	-0.6714mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:13:49 PM

Mean Area 0.9616
Mean Conc. -0.6779mg/L



Sample

Sample Name: 640-47075-j-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

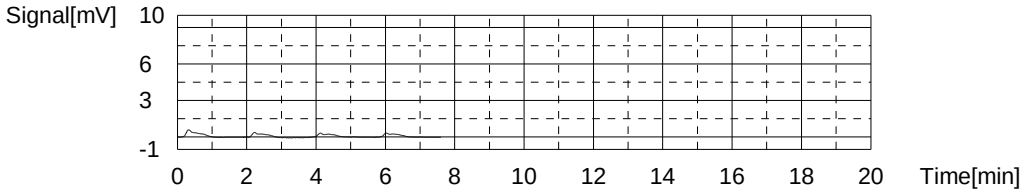
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.7179mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.427	-0.4111mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:24:04 PM
2	0.9666	-0.6751mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:26:07 PM
3	0.8355	-0.7503mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:28:11 PM
4	0.8739	-0.7282mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:30:14 PM

Mean Area 0.8920
Mean Conc. -0.7179mg/L



Sample

Sample Name: 640-47075-i-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

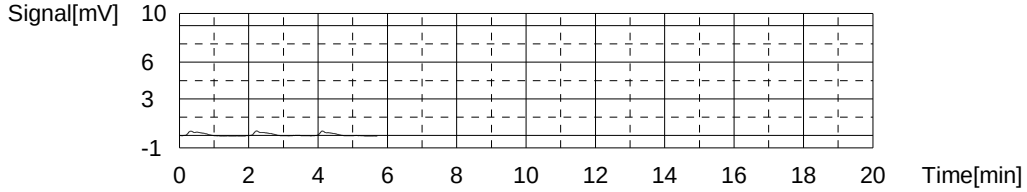
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.7045mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9799	-0.6675mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:40:30 PM
2	0.9485	-0.6855mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:42:33 PM
3	0.8173	-0.7607mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:44:37 PM

Mean Area 0.9152
Mean Conc. -0.7045mg/L



Sample

Sample Name: 640-47075-k-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

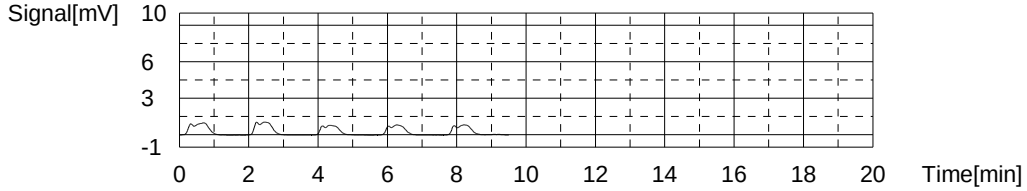
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2994mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.433	0.7392mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:54:54 PM
2	3.404	0.7226mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:56:57 PM
3	2.606	0.2650mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 1:59:00 PM
4	2.660	0.2959mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:01:04 PM
5	2.732	0.3372mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:03:07 PM

Mean Area 2.666
Mean Conc. 0.2994mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

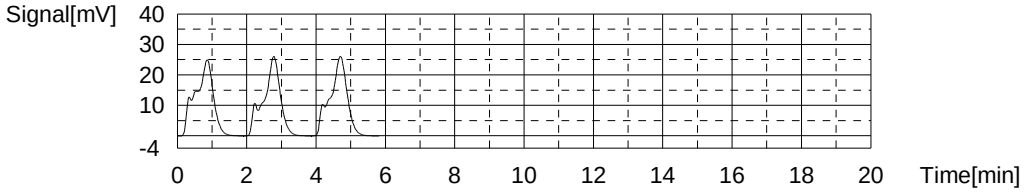
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.61mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	89.80	50.26mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:13:18 PM
2	87.23	48.79mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:15:25 PM
3	88.96	49.78mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:17:32 PM

Mean Area 88.66
Mean Conc. 49.61mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

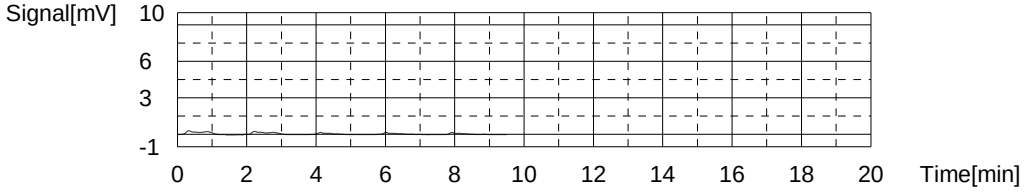
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-1.097mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.040	-0.6330mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:27:50 PM
2	0.8326	-0.7519mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:29:53 PM
3	0.2440	-1.089mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:31:57 PM
4	0.2001	-1.115mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:34:01 PM
5	0.2494	-1.086mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:36:04 PM

Mean Area 0.2312
Mean Conc. -1.097mg/L



Sample

Sample Name: 680-99142-a-1
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

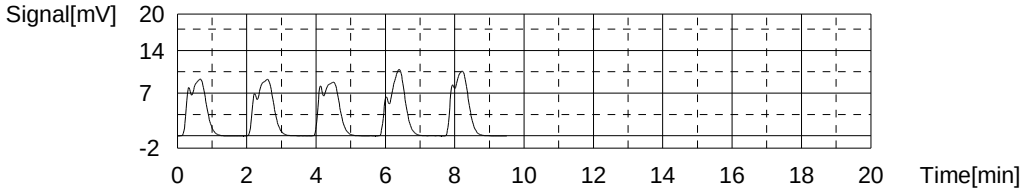
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:89.34mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	31.99	85.57mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:46:56 PM
2	32.96	88.35mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:49:00 PM
3	33.29	89.30mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:51:04 PM
4	34.41	92.51mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:53:07 PM
5	33.66	90.36mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 2:55:11 PM

Mean Area 33.30
Mean Conc. 89.34mg/L



Sample

Sample Name: 680-99142-a-1 DU
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

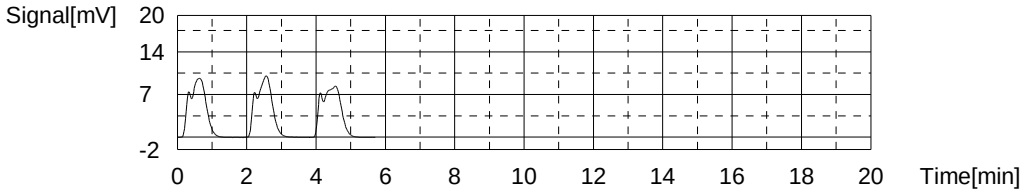
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:87.59mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	32.22	86.23mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:04:15 PM
2	32.48	86.98mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:06:18 PM
3	33.38	89.56mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:08:22 PM

Mean Area 32.69
Mean Conc. 87.59mg/L



Sample

Sample Name: 680-99142-b-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

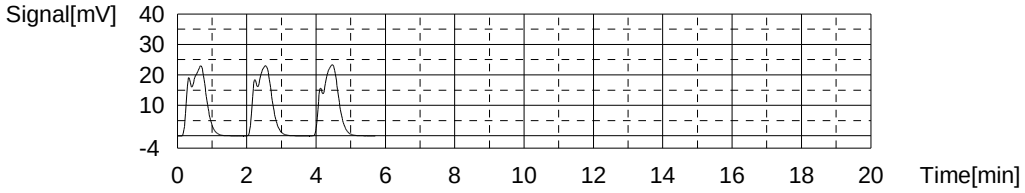
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:42.85mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	77.86	43.42mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:18:40 PM
2	76.34	42.55mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:20:44 PM
3	76.40	42.58mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:22:47 PM

Mean Area 76.87
Mean Conc. 42.85mg/L



Sample

Sample Name: 680-99142-b-3
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

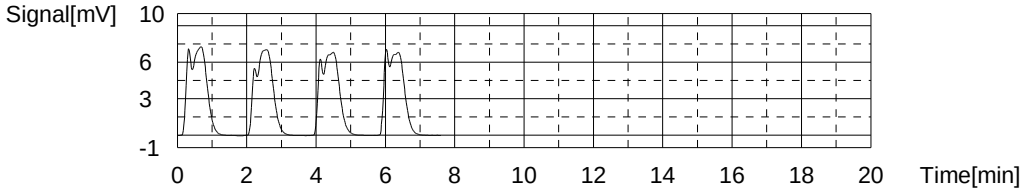
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:67.18mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	26.81	70.72mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:33:45 PM
2	25.19	66.08mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:35:48 PM
3	25.72	67.59mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:37:52 PM
4	25.82	67.88mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 3:39:56 PM

Mean Area 25.58
Mean Conc. 67.18mg/L



Sample

Sample Name: 680-99142-b-4
Sample ID: 50
Origin: TOC415.1A.met
Status Completed
Chk. Result

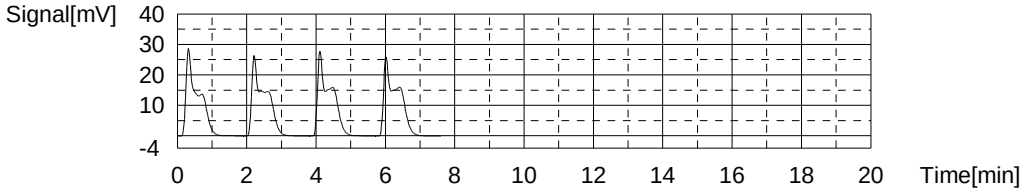
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1954mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	67.47	1873mg/L	50uL	50	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:02:47 PM
2	69.27	1925mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:04:51 PM
3	70.36	1956mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:06:54 PM
4	71.28	1982mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:08:58 PM

Mean Area 70.30
Mean Conc. 1954mg/L



Sample

Sample Name: 680-99142-c-5
Sample ID: 20
Origin: TOC415.1A.met
Status Completed
Chk. Result

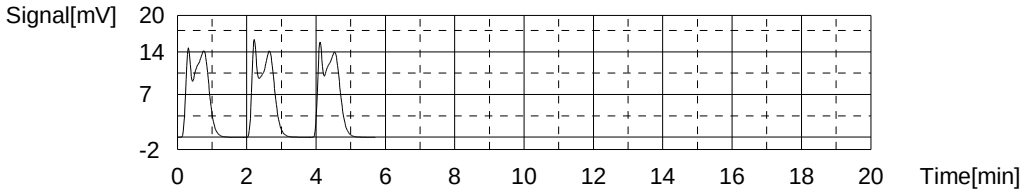
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:602.3mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	54.92	605.3mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:19:56 PM
2	54.36	598.8mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:21:59 PM
3	54.70	602.7mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:24:03 PM

Mean Area 54.66
Mean Conc. 602.3mg/L



Sample

Sample Name: 680-99142-b-6
Sample ID: 20
Origin: TOC415.1A.met
Status Completed
Chk. Result

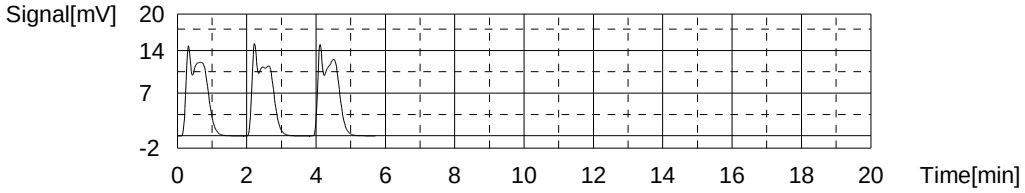
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:552.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	51.03	560.6mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:35:01 PM
2	49.64	544.7mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:37:05 PM
3	50.20	551.1mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:39:08 PM

Mean Area 50.29
Mean Conc. 552.2mg/L



Sample

Sample Name: 680-99142-c-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

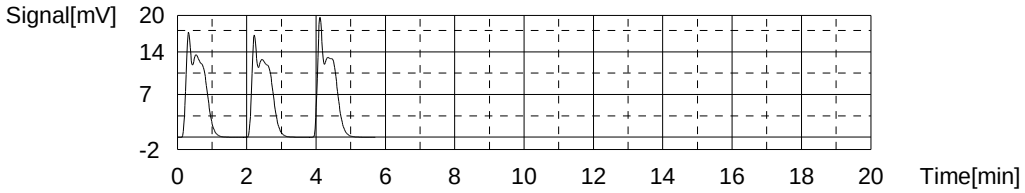
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:29.26mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	53.70	29.56mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:49:25 PM
2	51.98	28.58mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:51:29 PM
3	53.83	29.64mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 5:53:32 PM

Mean Area 53.17
Mean Conc. 29.26mg/L



Sample

Sample Name: 680-99142-a-8
Sample ID: 50
Origin: TOC415.1A.met
Status Completed
Chk. Result

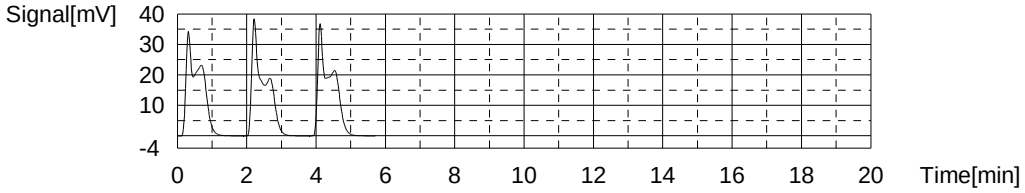
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2694mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	94.36	2644mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:04:32 PM
2	96.58	2708mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:06:36 PM
3	97.36	2730mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:08:39 PM

Mean Area 96.10
Mean Conc. 2694mg/L



Sample

Sample Name: 680-99142-a-9
Sample ID: 50
Origin: TOC415.1A.met
Status Completed
Chk. Result

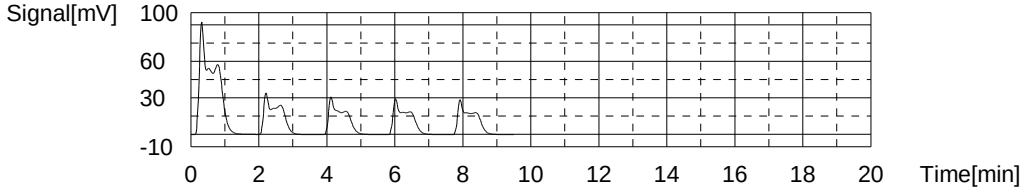
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2481mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	272.4	7748mg/L	50uL	50	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:19:38 PM
2	102.6	2880mg/L	50uL	50	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:21:42 PM
3	91.55	2563mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:23:45 PM
4	87.51	2448mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:25:49 PM
5	86.99	2433mg/L	50uL	50		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:27:52 PM

Mean Area 88.68
Mean Conc. 2481mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

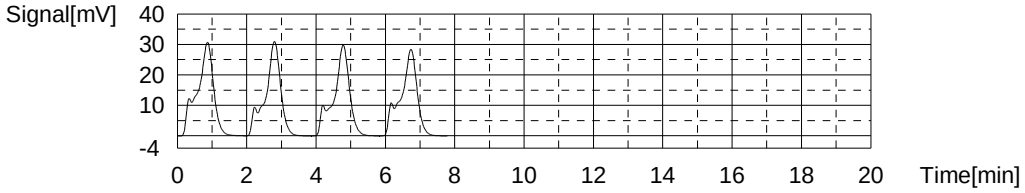
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:52.92mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	100.8	56.57mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:38:14 PM
2	95.31	53.42mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:40:22 PM
3	94.41	52.91mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:42:29 PM
4	93.58	52.43mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:44:36 PM

Mean Area 94.43
Mean Conc. 52.92mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

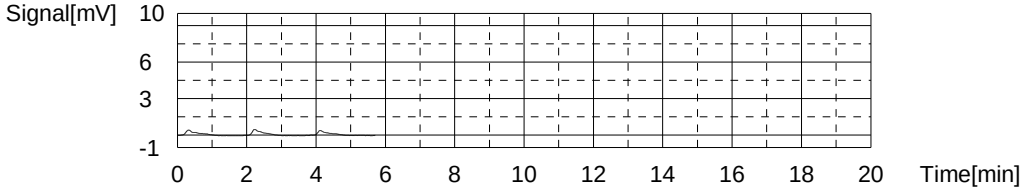
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.6715mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.015	-0.6473mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:54:51 PM
2	1.039	-0.6336mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:56:55 PM
3	0.8648	-0.7335mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 6:58:58 PM

Mean Area 0.9729
Mean Conc. -0.6715mg/L



Sample

Sample Name: 680-99142-a-10
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

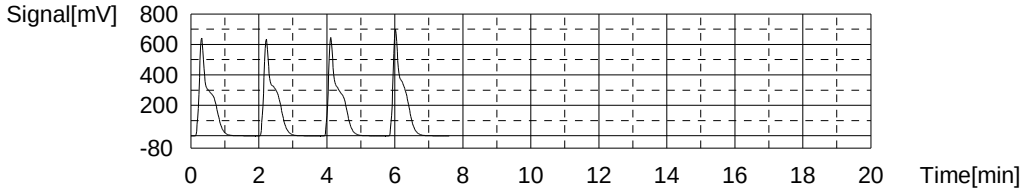
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:777.9mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1309	749.4mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:09:21 PM
2	1345	770.0mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:11:25 PM
3	1362	779.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:13:29 PM
4	1369	783.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:15:42 PM

Mean Area 1359
Mean Conc. 777.9mg/L



Sample

Sample Name: 680-99142-a-11
Sample ID: 20
Origin: TOC415.1A.met
Status Completed
Chk. Result

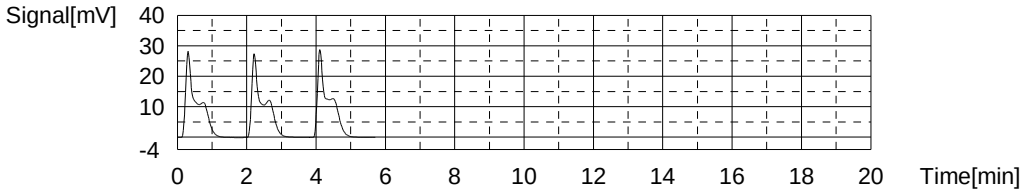
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:703.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	63.72	706.2mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:26:26 PM
2	62.47	691.8mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:28:30 PM
3	64.30	712.8mg/L	50uL	20		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:30:33 PM

Mean Area 63.50
Mean Conc. 703.6mg/L



Sample

Sample Name: 680-99142-b-12
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

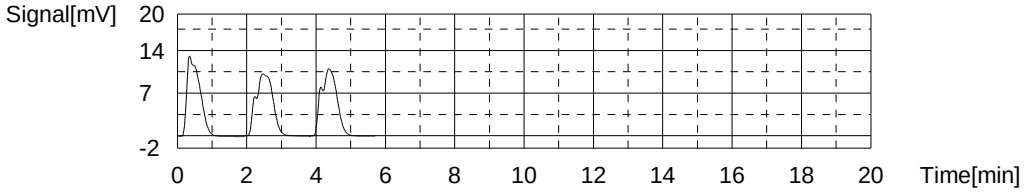
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.51mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.93	18.23mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:40:38 PM
2	34.57	18.59mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:42:42 PM
3	34.76	18.70mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:44:46 PM

Mean Area 34.42
Mean Conc. 18.51mg/L



Sample

Sample Name: 680-99142-c-13
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

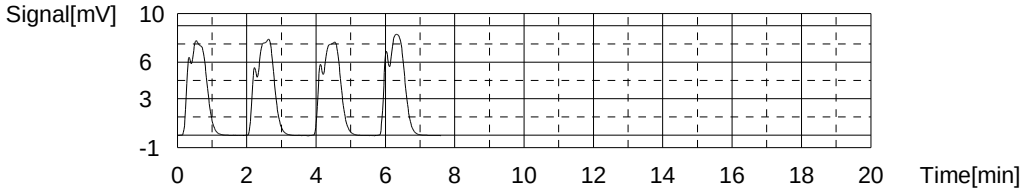
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:76.93mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	27.12	71.61mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:55:44 PM
2	28.51	75.59mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:57:48 PM
3	29.12	77.34mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 7:59:51 PM
4	29.30	77.86mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:01:54 PM

Mean Area 28.98
Mean Conc. 76.93mg/L



Sample

Sample Name: 680-99142-a-14
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

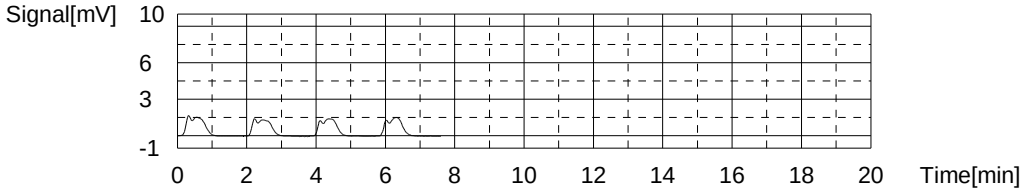
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.468mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.336	1.830mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:12:11 PM
2	4.770	1.506mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:14:15 PM
3	4.634	1.428mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:16:18 PM
4	4.707	1.470mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:18:22 PM

Mean Area 4.704
Mean Conc. 1.468mg/L



Sample

Sample Name: LCS
Sample ID: 415
Origin: TOC415.1A.met
Status Completed
Chk. Result

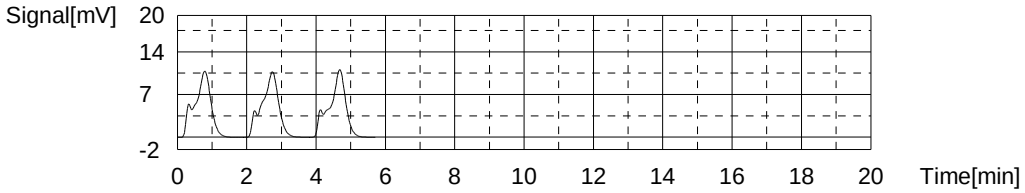
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.27mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.28	19.00mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:28:37 PM
2	35.88	19.34mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:30:41 PM
3	36.08	19.46mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:32:44 PM

Mean Area 35.75
Mean Conc. 19.27mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

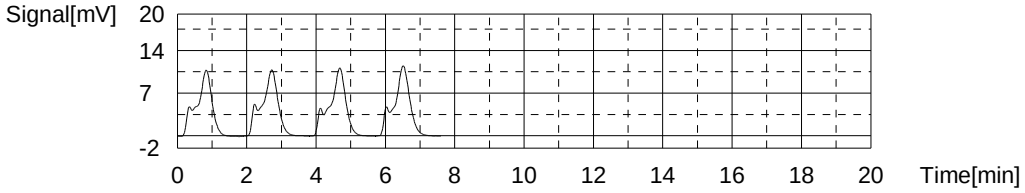
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.31mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.78	18.14mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:39:16 PM
2	35.34	19.04mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:41:20 PM
3	36.01	19.42mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:43:23 PM
4	36.13	19.49mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:45:27 PM

Mean Area 35.83
Mean Conc. 19.31mg/L



Sample

Sample Name: 680-99142-b-16
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

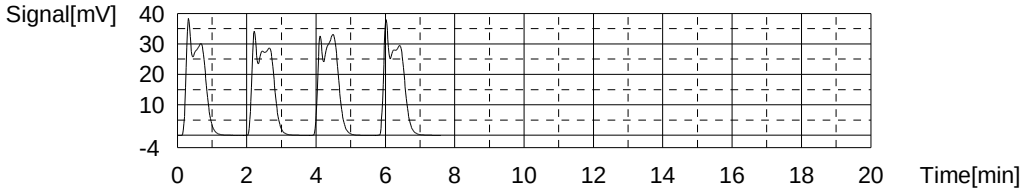
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:673.3mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	115.0	647.1mg/L	50uL	10	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:56:24 PM
2	120.1	676.4mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 8:58:27 PM
3	119.2	671.2mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:00:31 PM
4	119.4	672.4mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:02:35 PM

Mean Area 119.6
Mean Conc. 673.3mg/L



Sample

Sample Name: 680-99142-a-16 MS
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

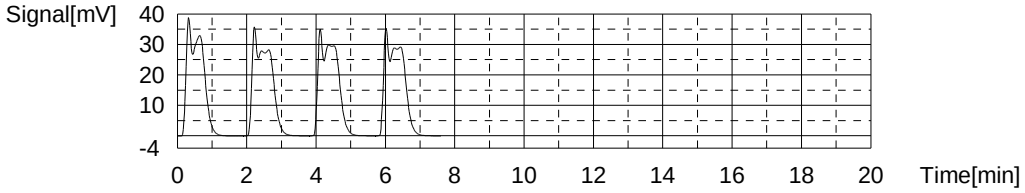
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:692.8mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	118.3	666.1mg/L	50uL	10	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:13:19 PM
2	121.1	682.1mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:15:23 PM
3	123.8	697.6mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:17:27 PM
4	124.0	698.7mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:19:30 PM

Mean Area 123.0
Mean Conc. 692.8mg/L



Sample

Sample Name: 680-99142-a-16 MSD
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

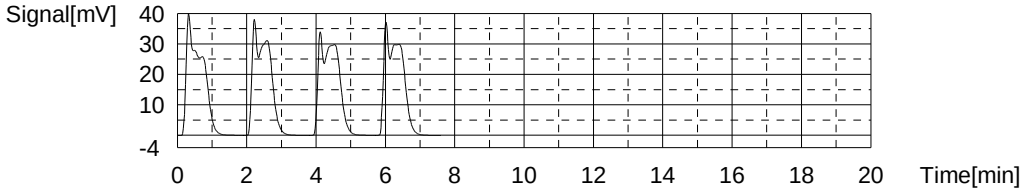
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:697.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	119.5	672.9mg/L	50uL	10	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:28:37 PM
2	121.6	685.0mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:30:40 PM
3	125.0	704.5mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:32:44 PM
4	124.6	702.2mg/L	50uL	10		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:34:47 PM

Mean Area 123.7
Mean Conc. 697.2mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

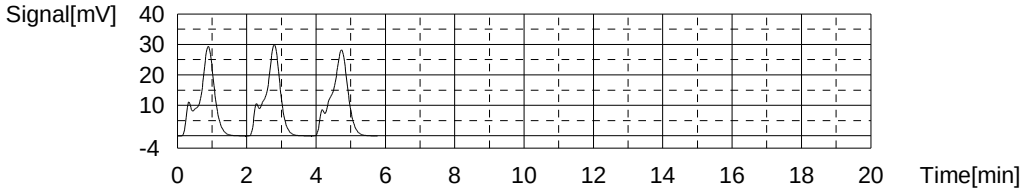
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:51.17mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	90.53	50.68mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:45:07 PM
2	90.87	50.88mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:47:11 PM
3	92.73	51.94mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:49:16 PM

Mean Area 91.38
Mean Conc. 51.17mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

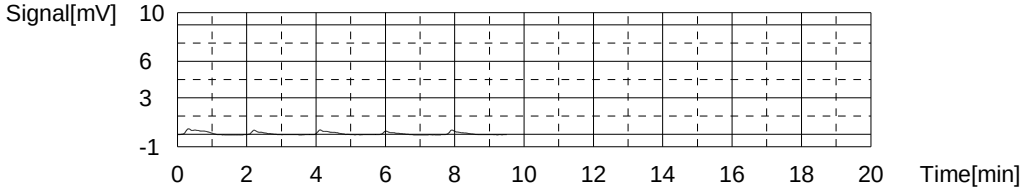
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.8338mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.515	-0.3606mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 9:59:33 PM
2	0.7343	-0.8083mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:01:36 PM
3	0.9536	-0.6825mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:03:40 PM
4	0.5823	-0.8955mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:05:43 PM
5	0.7530	-0.7976mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:07:47 PM

Mean Area 0.6899
Mean Conc. -0.8338mg/L



Sample

Sample Name: 680-99155-j-1
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

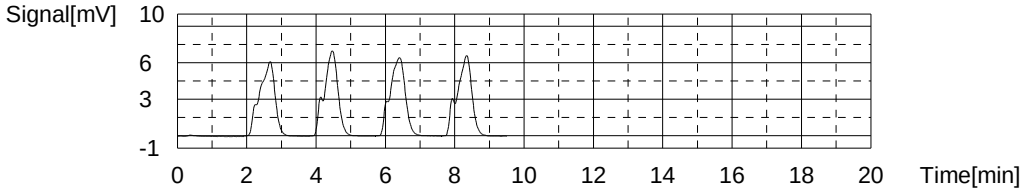
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:198.8mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1359	-23.03mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:17:59 PM
2	18.73	190.2mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:20:03 PM
3	19.27	196.4mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:22:06 PM
4	19.63	200.5mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:24:10 PM
5	19.53	199.4mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:26:14 PM

Mean Area 19.48
Mean Conc. 198.8mg/L



Sample

Sample Name: 680-99155-j-1 DU
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

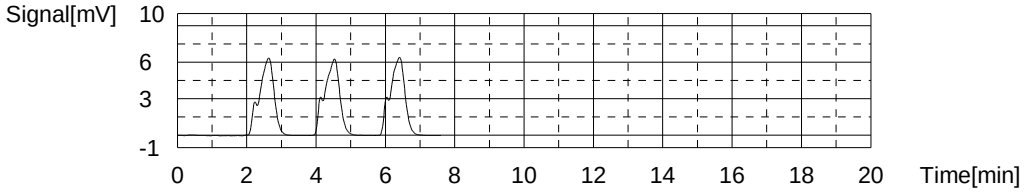
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:193.9mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-24.59mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:32:53 PM
2	18.75	190.4mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:34:56 PM
3	19.22	195.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:37:00 PM
4	19.18	195.4mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:39:03 PM

Mean Area 19.05
Mean Conc. 193.9mg/L



Sample

Sample Name: 680-99155-k-2
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

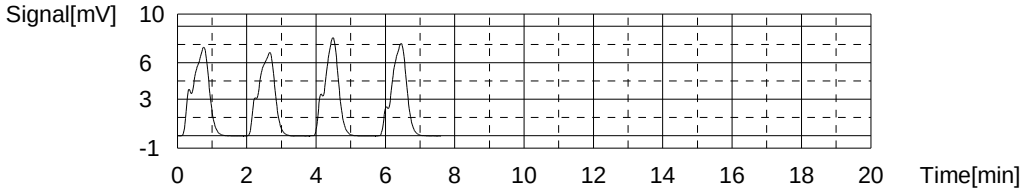
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:233.1mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	23.73	247.6mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:49:20 PM
2	22.20	230.0mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:51:24 PM
3	22.51	233.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:53:27 PM
4	22.70	235.7mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 10:55:31 PM

Mean Area 22.47
Mean Conc. 233.1mg/L



Sample

Sample Name: 680-99155-j-3
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

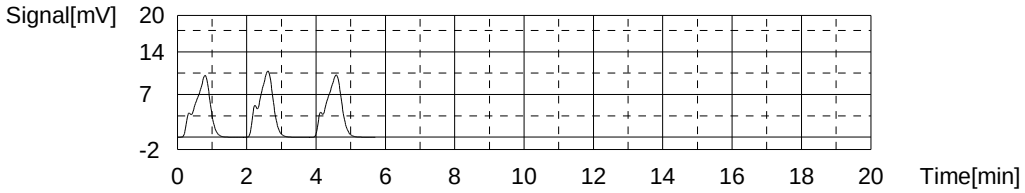
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:83.99mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	30.90	82.45mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:06:28 PM
2	31.35	83.74mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:08:31 PM
3	32.06	85.77mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:10:35 PM

Mean Area 31.44
Mean Conc. 83.99mg/L



Sample

Sample Name: 680-99155-j-4
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

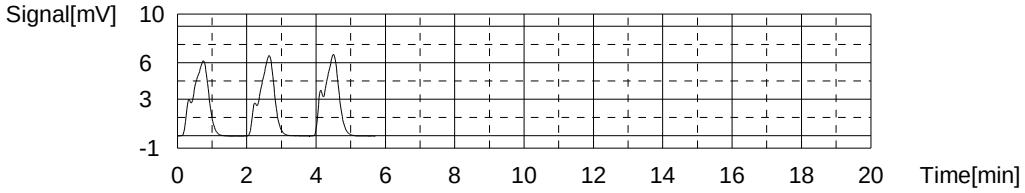
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:199.5mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	19.36	197.4mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:20:53 PM
2	19.32	197.0mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:22:57 PM
3	19.95	204.2mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:25:00 PM

Mean Area 19.54
Mean Conc. 199.5mg/L



Sample

Sample Name: 680-99155-k-17
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

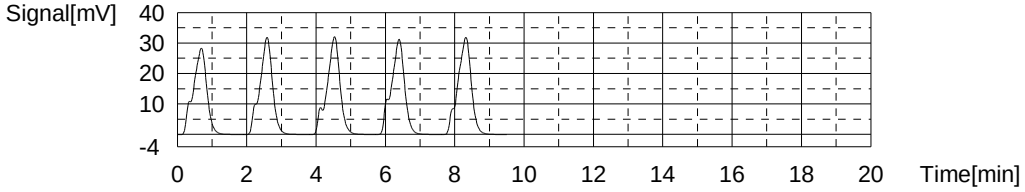
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:940.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	76.93	857.7mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:35:19 PM
2	80.72	901.1mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:37:22 PM
3	84.13	940.2mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:39:26 PM
4	82.97	926.9mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:41:29 PM
5	85.39	954.7mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:43:33 PM

Mean Area 84.16
Mean Conc. 940.6mg/L



Sample

Sample Name: 680-99155-k-18
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

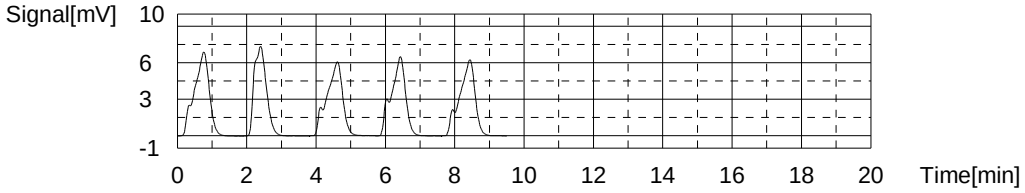
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:192.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	20.46	210.1mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:53:44 PM
2	18.06	182.5mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:55:48 PM
3	19.03	193.7mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:57:51 PM
4	18.61	188.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/14/2014 11:59:55 PM
5	19.17	195.3mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:01:58 AM

Mean Area 18.94
Mean Conc. 192.6mg/L



Sample

Sample Name: 680-99155-I-19
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

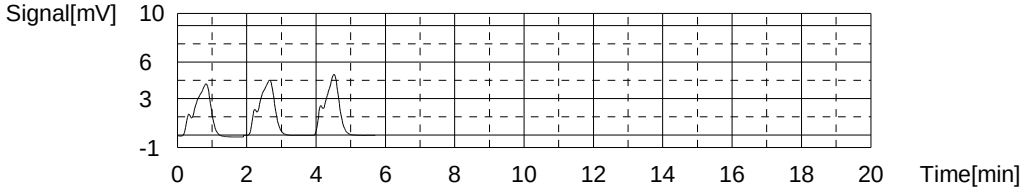
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:137.1mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.84	134.1mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:11:56 AM
2	14.15	137.7mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:14:00 AM
3	14.31	139.5mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:16:03 AM

Mean Area 14.10
Mean Conc. 137.1mg/L



Sample

Sample Name: 680-99155-I-20
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

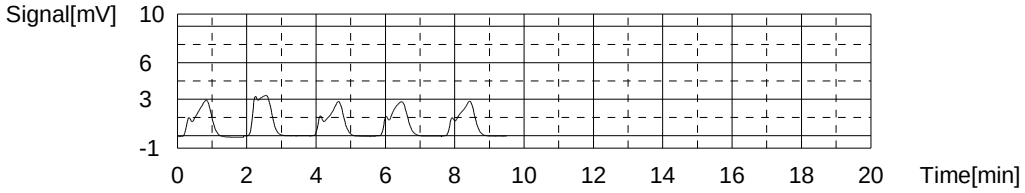
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:85.44mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.21	92.50mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:26:08 AM
2	11.27	104.7mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:28:12 AM
3	9.574	85.21mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:30:15 AM
4	9.567	85.13mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:32:19 AM
5	9.642	85.99mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:34:23 AM

Mean Area 9.594
Mean Conc. 85.44mg/L



Sample

Sample Name: 680-99155-I-21
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

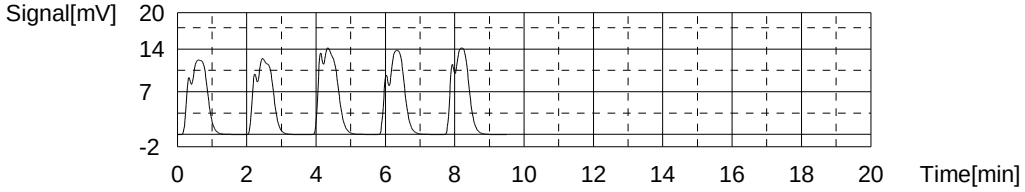
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.84mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	43.39	23.65mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:44:36 AM
2	44.07	24.04mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:46:39 AM
3	49.95	27.41mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:48:43 AM
4	46.20	25.26mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:50:46 AM
5	46.13	25.22mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:52:50 AM

Mean Area 45.47
Mean Conc. 24.84mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

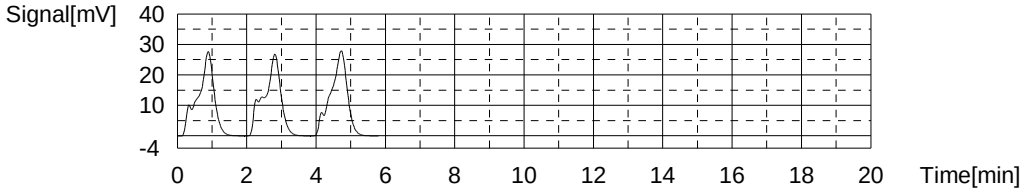
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.55mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	88.77	49.67mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:03:12 AM
2	90.25	50.52mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:05:15 AM
3	91.86	51.44mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:07:23 AM

Mean Area 90.29
Mean Conc. 50.55mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

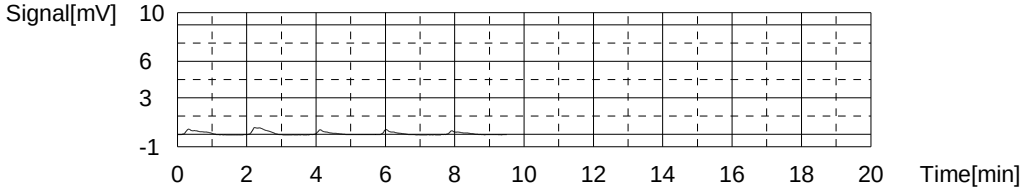
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.7842mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.354	-0.4530mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:17:41 AM
2	1.661	-0.2769mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:19:44 AM
3	0.7523	-0.7980mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:21:48 AM
4	0.8228	-0.7576mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:23:51 AM
5	0.7541	-0.7969mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:25:55 AM

Mean Area 0.7764
Mean Conc. -0.7842mg/L



Sample

Sample Name: 680-99155-I-22
Sample ID: M50
Origin: TOC415.1A.met
Status Completed
Chk. Result

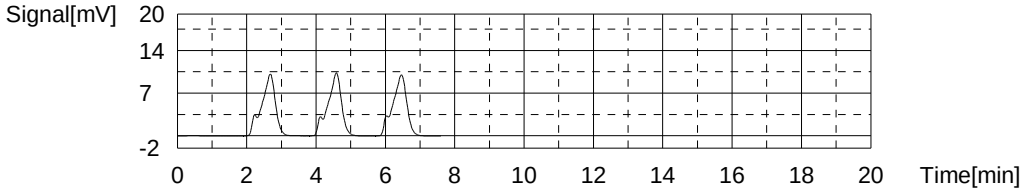
Type	Anal.	Dil.	Result
Unknown	NPOC	50.00	NPOC:751.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-61.47mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:36:12 AM
2	28.12	744.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:38:16 AM
3	28.58	757.9mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:40:20 AM
4	28.38	752.2mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:42:23 AM

Mean Area 28.36
Mean Conc. 751.6mg/L



Sample

Sample Name: 680-99155-l-23
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

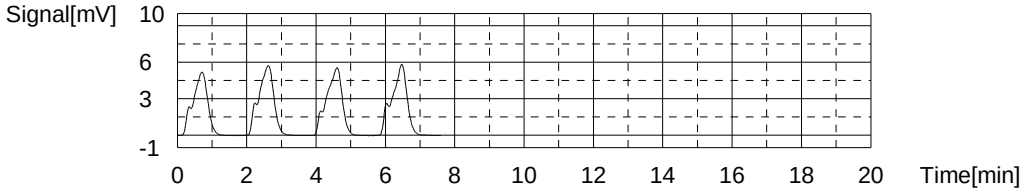
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:176.0mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.33	151.2mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:52:39 AM
2	17.39	174.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:54:42 AM
3	17.49	176.0mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:56:46 AM
4	17.58	177.0mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:58:49 AM

Mean Area 17.49
Mean Conc. 176.0mg/L



Sample

Sample Name: 680-99155-k-24
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

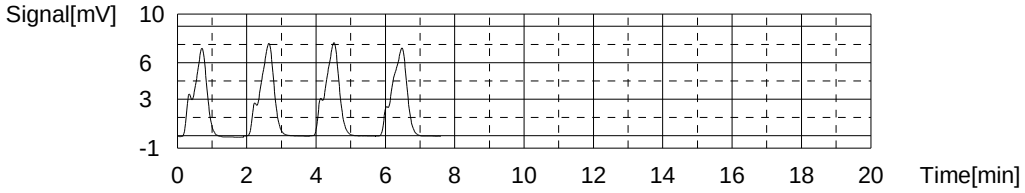
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:218.7mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	19.56	199.7mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:08:53 AM
2	20.95	215.7mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:10:57 AM
3	21.38	220.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:13:00 AM
4	21.32	219.9mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:15:04 AM

Mean Area 21.22
Mean Conc. 218.7mg/L



Sample

Sample Name: 680-99165-d-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

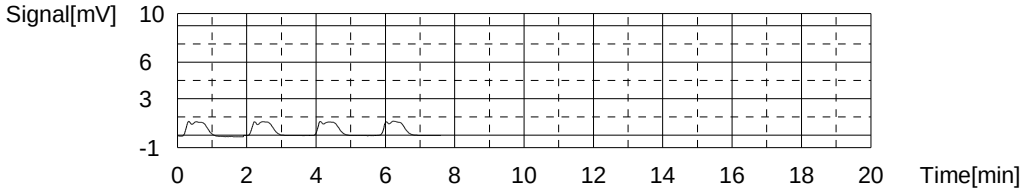
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.156mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.463	1.330mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:25:08 AM
2	4.138	1.143mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:27:12 AM
3	4.160	1.156mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:29:16 AM
4	4.181	1.168mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:31:20 AM

Mean Area 4.160
Mean Conc. 1.156mg/L



Sample

Sample Name: 680-99165-e-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

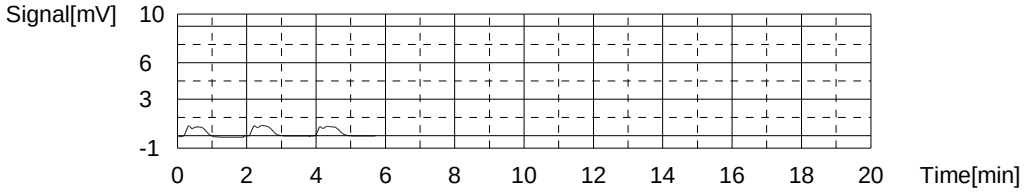
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4718mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.941	0.4571mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:41:24 AM
2	3.006	0.4943mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:43:28 AM
3	2.953	0.4639mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:45:32 AM

Mean Area 2.967
Mean Conc. 0.4718mg/L



Sample

Sample Name: 680-99166-j-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

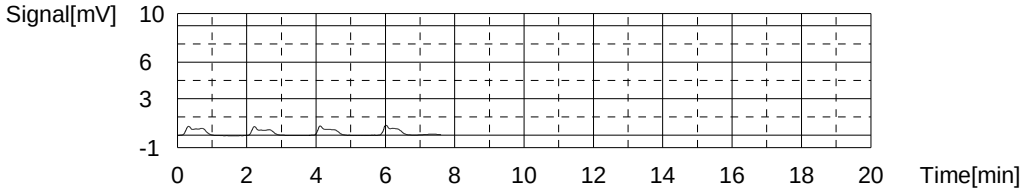
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.07411mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.206	0.03560mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:55:52 AM
2	1.970	-0.09973mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:57:55 AM
3	2.047	-0.05557mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:59:59 AM
4	2.027	-0.06704mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:02:02 AM

Mean Area 2.015
Mean Conc. -0.07411mg/L



Sample

Sample Name: 680-99170-h-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

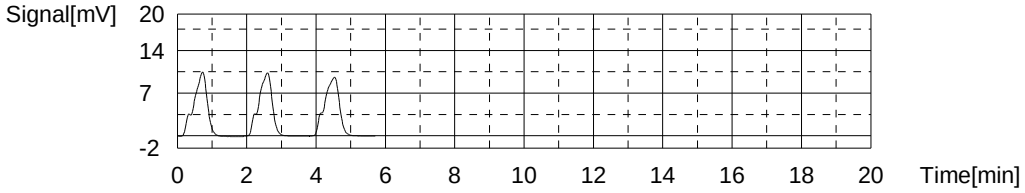
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:14.80mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	28.06	14.86mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:12:07 AM
2	27.57	14.58mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:14:11 AM
3	28.23	14.96mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:16:15 AM

Mean Area 27.95
Mean Conc. 14.80mg/L



Sample

Sample Name: 680-99170-h-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

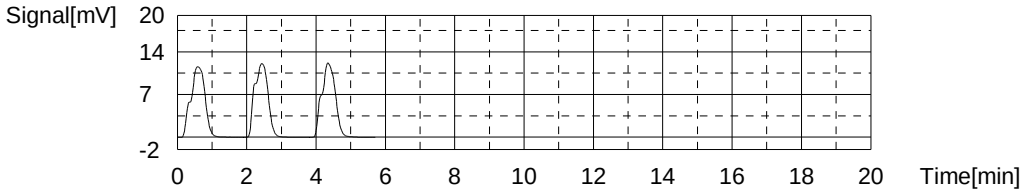
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:17.68mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	32.96	17.67mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:26:33 AM
2	32.67	17.50mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:28:37 AM
3	33.29	17.86mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:30:41 AM

Mean Area 32.97
Mean Conc. 17.68mg/L



Sample

Sample Name: 680-99170-i-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

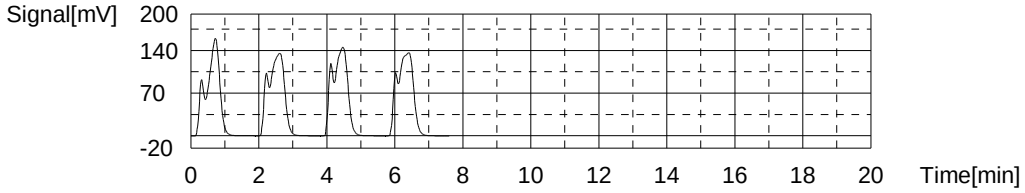
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:261.5mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	433.8	247.5mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:41:00 AM
2	452.5	258.2mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:43:03 AM
3	461.8	263.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:45:07 AM
4	460.5	262.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:47:11 AM

Mean Area 458.3
Mean Conc. 261.5mg/L



Sample

Sample Name: 680-99170-h-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

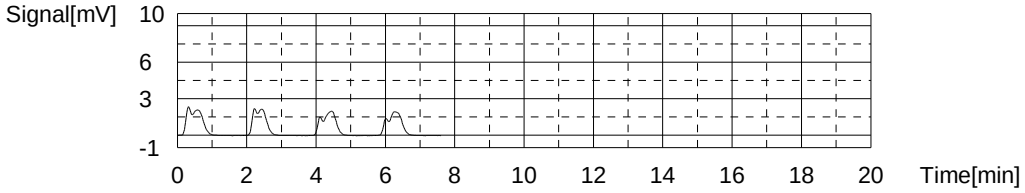
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.045mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.661	2.590mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:57:28 AM
2	5.709	2.044mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 3:59:32 AM
3	5.749	2.067mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:01:36 AM
4	5.671	2.022mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:03:40 AM

Mean Area 5.710
Mean Conc. 2.045mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

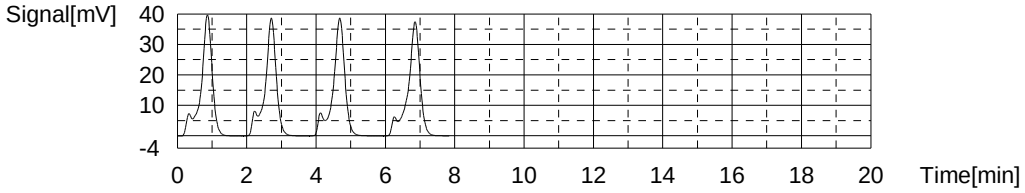
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.93mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	90.28	50.54mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:13:45 AM
2	87.74	49.08mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:15:49 AM
3	91.74	51.38mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:18:07 AM
4	90.86	50.87mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:20:11 AM

Mean Area 90.96
Mean Conc. 50.93mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

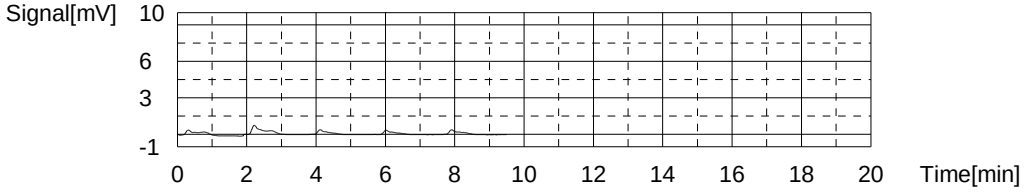
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.7915mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.181	-0.5522mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:30:15 AM
2	1.754	-0.2236mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:32:19 AM
3	0.7316	-0.8098mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:34:23 AM
4	0.7497	-0.7995mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:36:27 AM
5	0.8094	-0.7652mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:38:30 AM

Mean Area 0.7636
Mean Conc. -0.7915mg/L



Sample

Sample Name: LCS
Sample ID: 415
Origin: TOC415.1A.met
Status Completed
Chk. Result

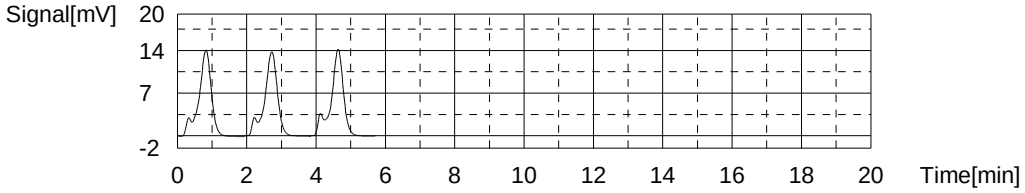
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.15mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.67	19.22mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:48:29 AM
2	35.42	19.08mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:50:33 AM
3	35.55	19.16mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:52:37 AM

Mean Area 35.55
Mean Conc. 19.15mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

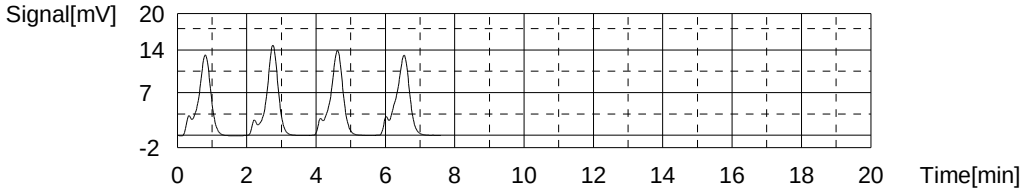
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.33mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.31	18.44mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 4:59:09 AM
2	35.34	19.04mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:01:13 AM
3	35.87	19.34mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:03:17 AM
4	36.35	19.61mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:05:20 AM

Mean Area 35.85
Mean Conc. 19.33mg/L



Sample

Sample Name: 680-99170-i-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

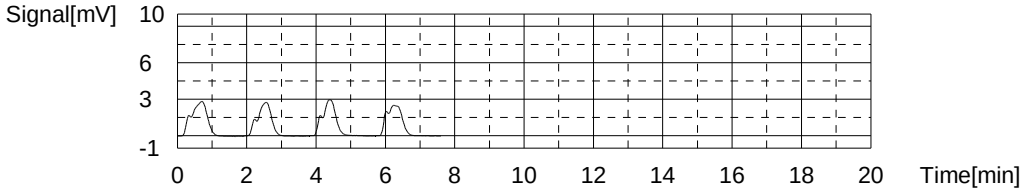
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.219mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.053	3.962mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:15:38 AM
2	7.613	3.136mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:17:41 AM
3	7.833	3.262mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:19:45 AM
4	7.826	3.258mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:21:49 AM

Mean Area 7.757
Mean Conc. 3.219mg/L



Sample

Sample Name: 680-99170-j-6 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

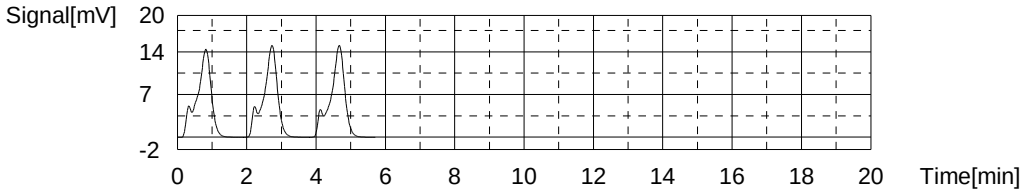
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:22.98mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.43	22.53mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:32:06 AM
2	42.44	23.11mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:34:10 AM
3	42.81	23.32mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:36:14 AM

Mean Area 42.23
Mean Conc. 22.98mg/L



Sample

Sample Name: 680-99170-j-6 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

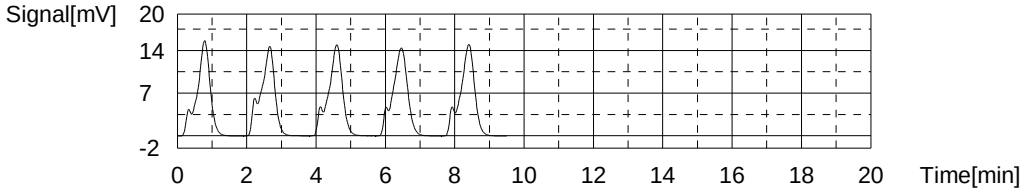
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.50mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.42	22.52mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:42:59 AM
2	41.47	22.55mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:45:03 AM
3	42.92	23.38mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:47:07 AM
4	43.12	23.50mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:49:11 AM
5	43.32	23.61mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 5:51:15 AM

Mean Area 43.12
Mean Conc. 23.50mg/L



Sample

Sample Name: 680-99170-j-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

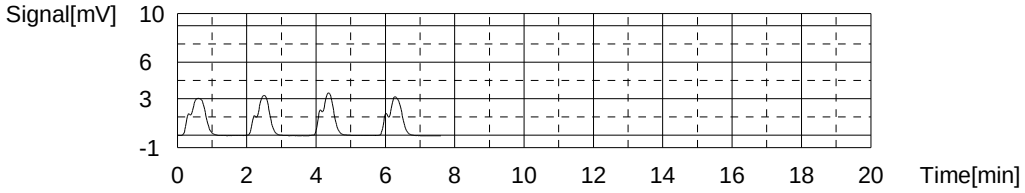
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.595mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.173	4.031mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:01:27 AM
2	8.271	3.513mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:03:31 AM
3	8.421	3.599mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:05:34 AM
4	8.549	3.673mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:07:38 AM

Mean Area 8.414
Mean Conc. 3.595mg/L



Sample

Sample Name: 680-99170-j-8
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

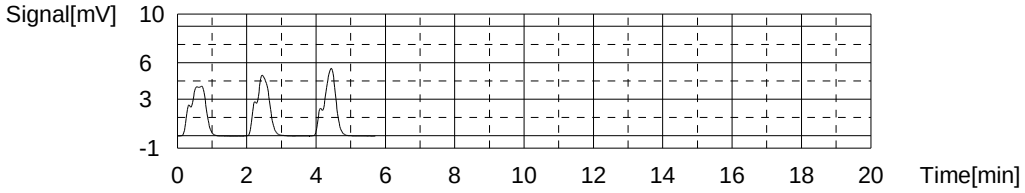
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.252mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.85	6.139mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:17:56 AM
2	13.10	6.282mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:20:00 AM
3	13.19	6.334mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:22:04 AM

Mean Area 13.05
Mean Conc. 6.252mg/L



Sample

Sample Name: 680-99190-c-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

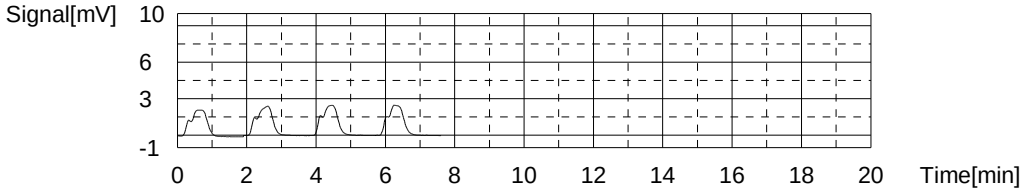
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.189mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.015	2.793mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:32:10 AM
2	7.591	3.123mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:34:14 AM
3	7.761	3.221mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:36:18 AM
4	7.766	3.224mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:38:21 AM

Mean Area 7.706
Mean Conc. 3.189mg/L



Sample

Sample Name: 680-99190-b-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

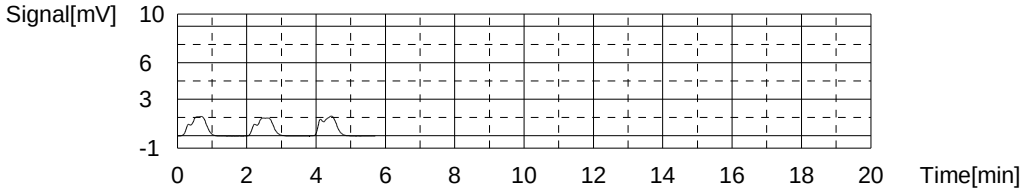
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.671mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.112	1.702mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:48:39 AM
2	5.029	1.654mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:50:43 AM
3	5.035	1.658mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 6:52:47 AM

Mean Area 5.059
Mean Conc. 1.671mg/L



Sample

Sample Name: 680-99193-c-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

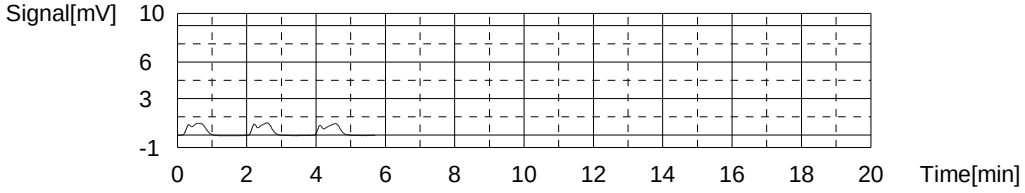
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6604mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.289	0.6566mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:03:06 AM
2	3.270	0.6457mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:05:09 AM
3	3.328	0.6790mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:07:13 AM

Mean Area 3.296
Mean Conc. 0.6604mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

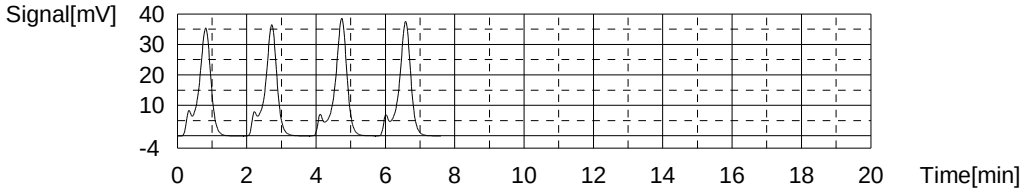
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.38mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	88.69	49.63mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:17:26 AM
2	89.62	50.16mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:19:30 AM
3	96.64	54.19mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:21:34 AM
4	91.68	51.34mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:23:38 AM

Mean Area 90.00
Mean Conc. 50.38mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

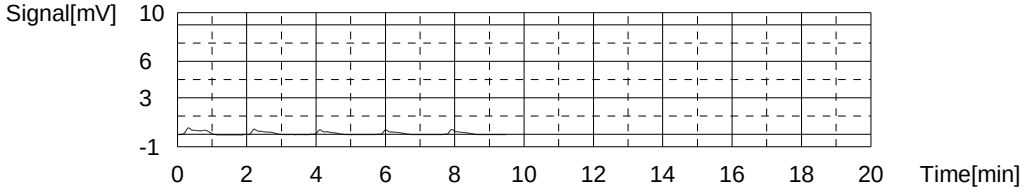
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.7330mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.671	-0.2712mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:33:55 AM
2	1.091	-0.6038mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:35:58 AM
3	0.8651	-0.7333mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:38:02 AM
4	0.8251	-0.7562mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:40:06 AM
5	0.9066	-0.7095mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:42:09 AM

Mean Area 0.8656
Mean Conc. -0.7330mg/L



Sample

Sample Name: 680-99215-b-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

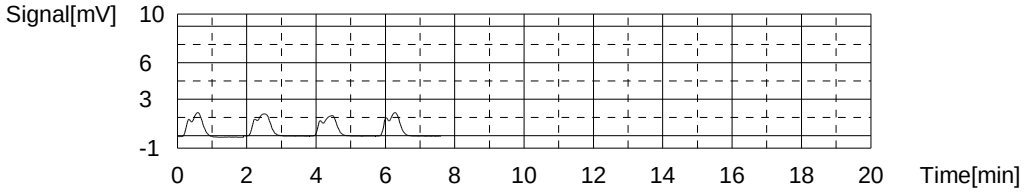
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.673mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.121	1.707mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:52:16 AM
2	5.409	1.872mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:54:19 AM
3	5.026	1.653mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:56:23 AM
4	5.039	1.660mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 7:58:27 AM

Mean Area 5.062
Mean Conc. 1.673mg/L



Sample

Sample Name: 680-99215-b-1 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

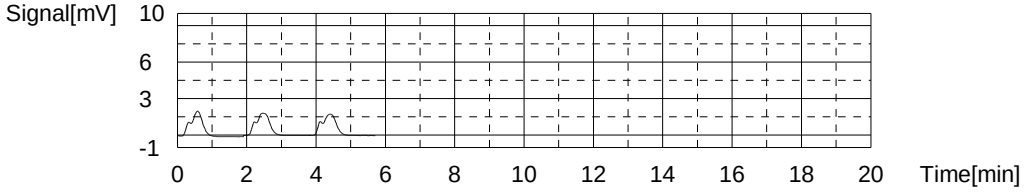
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.591mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.853	1.553mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:04:58 AM
2	4.999	1.637mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:07:02 AM
3	4.902	1.582mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:09:06 AM

Mean Area 4.918
Mean Conc. 1.591mg/L



Sample

Sample Name: 680-99215-d-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

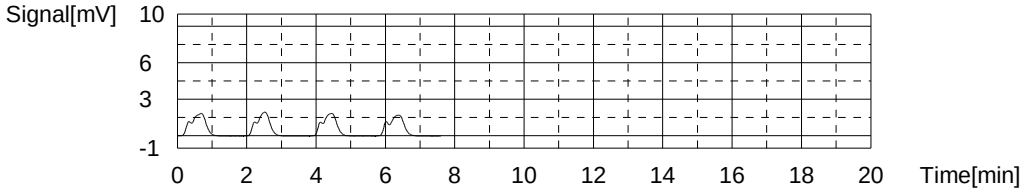
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.786mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.511	1.931mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:19:27 AM
2	5.198	1.751mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:21:31 AM
3	5.265	1.790mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:23:34 AM
4	5.314	1.818mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:25:38 AM

Mean Area 5.259
Mean Conc. 1.786mg/L



Sample

Sample Name: 680-99241-a-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

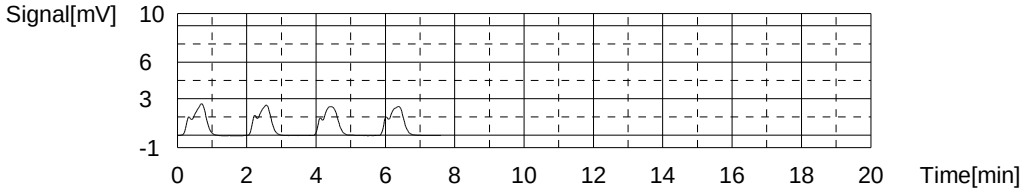
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.875mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.422	3.027mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:35:56 AM
2	7.053	2.815mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:37:59 AM
3	7.175	2.885mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:40:03 AM
4	7.243	2.924mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:42:07 AM

Mean Area 7.157
Mean Conc. 2.875mg/L



Sample

Sample Name: 680-99241-a-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

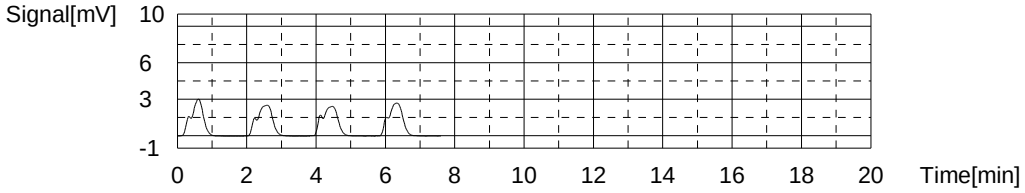
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.246mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.426	3.029mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:52:26 AM
2	7.932	3.319mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:54:30 AM
3	7.711	3.192mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:56:33 AM
4	7.772	3.227mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 8:58:37 AM

Mean Area 7.805
Mean Conc. 3.246mg/L



Sample

Sample Name: 680-99155-j-5
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

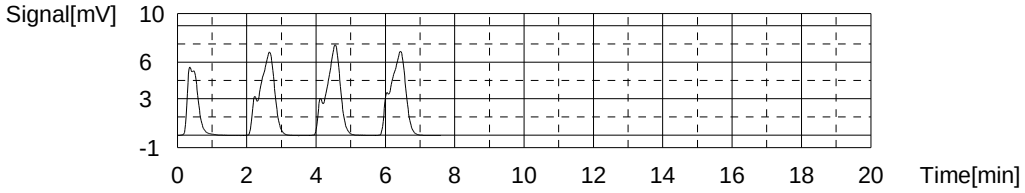
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:214.8mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.68	109.4mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:08:55 AM
2	20.57	211.3mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:10:58 AM
3	20.94	215.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:13:02 AM
4	21.12	217.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:15:06 AM

Mean Area 20.88
Mean Conc. 214.8mg/L



Sample

Sample Name: 680-99155-l-6
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

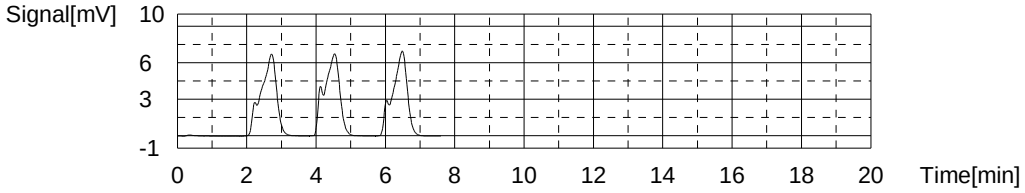
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:214.4mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1289	-23.11mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:25:25 AM
2	20.99	216.1mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:27:29 AM
3	21.12	217.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:29:32 AM
4	20.41	209.5mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:31:36 AM

Mean Area 20.84
Mean Conc. 214.4mg/L



Sample

Sample Name: 680-99155-I-7
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

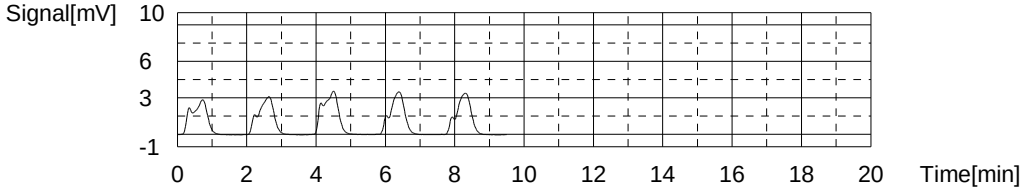
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:88.70mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.033	79.01mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:41:55 AM
2	9.663	86.23mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:43:58 AM
3	11.13	103.1mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:46:02 AM
4	9.961	89.65mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:48:06 AM
5	10.01	90.21mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 9:50:09 AM

Mean Area 9.878
Mean Conc. 88.70mg/L



Sample

Sample Name: 680-99155-I-8
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

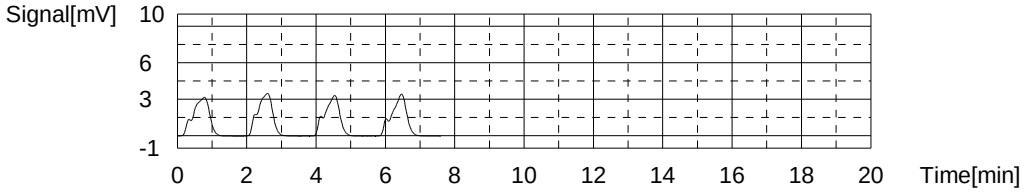
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:91.32mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.33	93.88mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:00:22 AM
2	10.47	95.49mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:02:26 AM
3	9.939	89.40mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:04:29 AM
4	10.05	90.67mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:06:33 AM

Mean Area 10.11
Mean Conc. 91.32mg/L



Sample

Sample Name: 680-99155-I-9
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

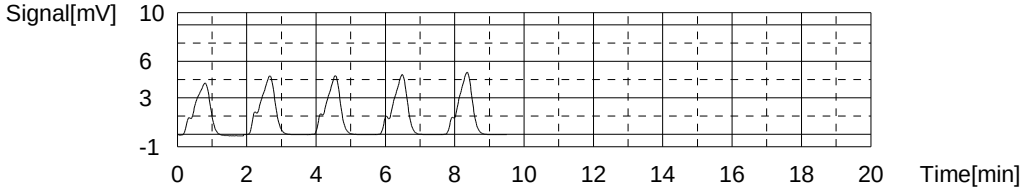
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:34.16mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.25	31.84mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:17:19 AM
2	14.27	34.77mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:19:23 AM
3	13.55	32.70mg/L	50uL	5	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:21:26 AM
4	13.87	33.62mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:23:30 AM
5	14.04	34.11mg/L	50uL	5		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:25:34 AM

Mean Area 14.06
Mean Conc. 34.16mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

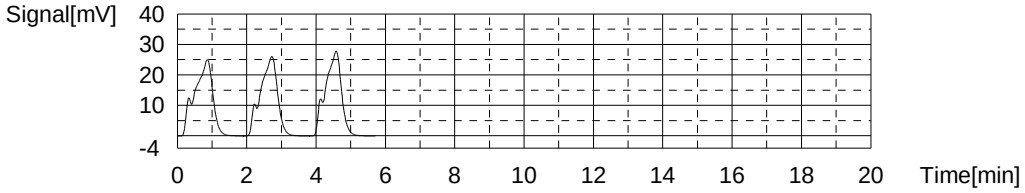
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.07mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	90.36	50.58mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:35:45 AM
2	88.71	49.64mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:37:49 AM
3	89.33	49.99mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:39:53 AM

Mean Area 89.47
Mean Conc. 50.07mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

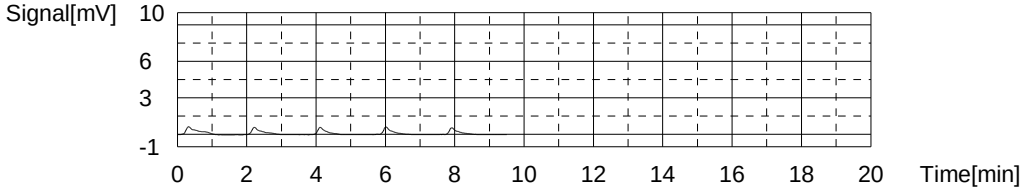
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.6737mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.558	-0.3360mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:50:13 AM
2	1.196	-0.5436mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:52:16 AM
3	0.9995	-0.6562mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:54:20 AM
4	1.003	-0.6542mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:56:23 AM
5	0.9046	-0.7106mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 10:58:27 AM

Mean Area 0.9690
Mean Conc. -0.6737mg/L



Sample

Sample Name: 680-99155-j-10
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

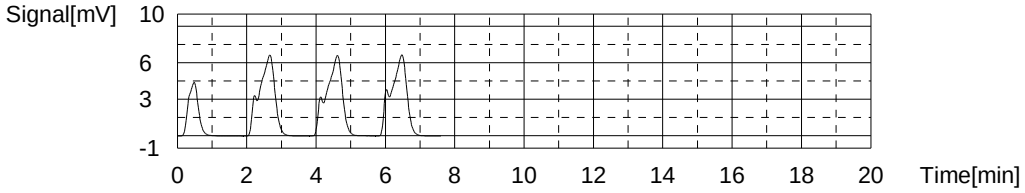
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:216.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.693	75.11mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:08:39 AM
2	20.75	213.4mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:10:43 AM
3	21.17	218.2mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:12:46 AM
4	21.18	218.3mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:14:50 AM

Mean Area 21.03
Mean Conc. 216.6mg/L



Sample

Sample Name: LCS
Sample ID: 415
Origin: TOC415.1A.met
Status Completed
Chk. Result

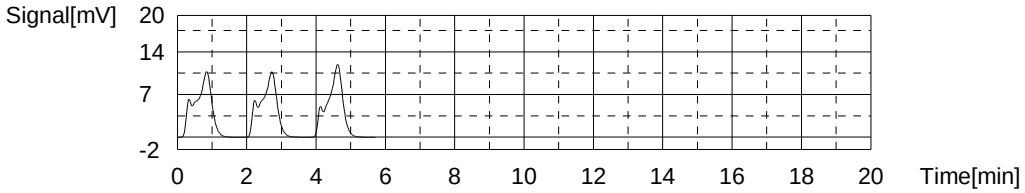
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.30mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.02	19.43mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:25:09 AM
2	35.32	19.02mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:27:12 AM
3	36.04	19.44mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:29:16 AM

Mean Area 35.79
Mean Conc. 19.30mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

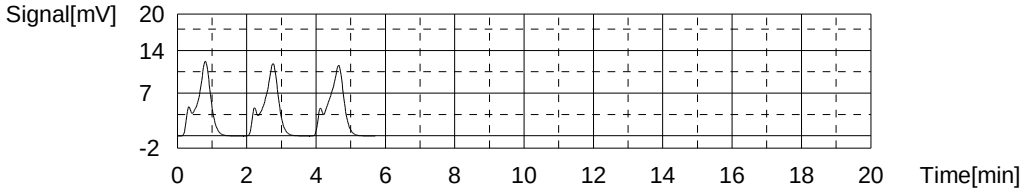
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.96mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.44	18.52mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:36:00 AM
2	35.43	19.09mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:38:04 AM
3	35.75	19.27mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:40:07 AM

Mean Area 35.21
Mean Conc. 18.96mg/L



Sample

Sample Name: 680-99155-j-11
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

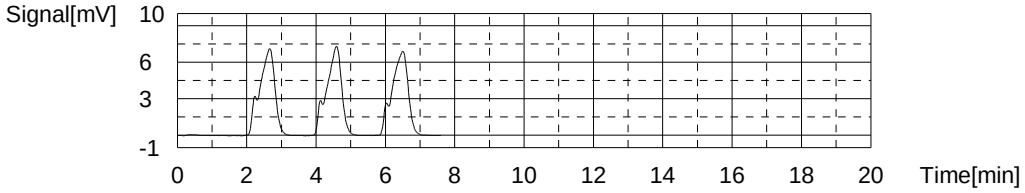
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:228.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1250	-23.15mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:50:27 AM
2	21.92	226.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:52:31 AM
3	22.08	228.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:54:35 AM
4	22.22	230.2mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 11:56:38 AM

Mean Area 22.07
Mean Conc. 228.6mg/L



Sample

Sample Name: 680-99155-l-12
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

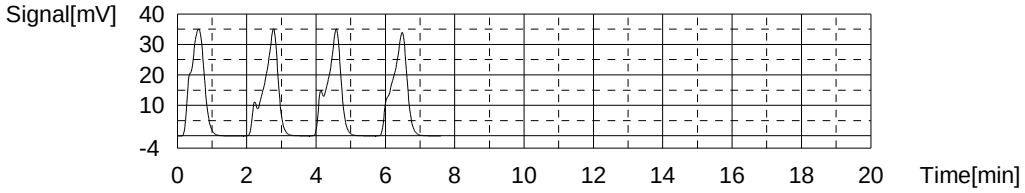
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:1107mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	95.25	1068mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:06:44 PM
2	99.74	1119mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:08:48 PM
3	97.96	1099mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:10:51 PM
4	98.37	1104mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:12:55 PM

Mean Area 98.69
Mean Conc. 1107mg/L



Sample

Sample Name: 680-99155-j-13
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

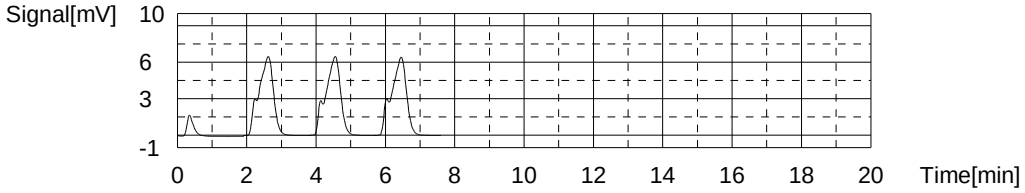
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:196.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.187	0.4941mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:23:02 PM
2	18.99	193.2mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:25:05 PM
3	19.35	197.3mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:27:09 PM
4	19.53	199.4mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:29:12 PM

Mean Area 19.29
Mean Conc. 196.6mg/L



Sample

Sample Name: 680-99155-k-14
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

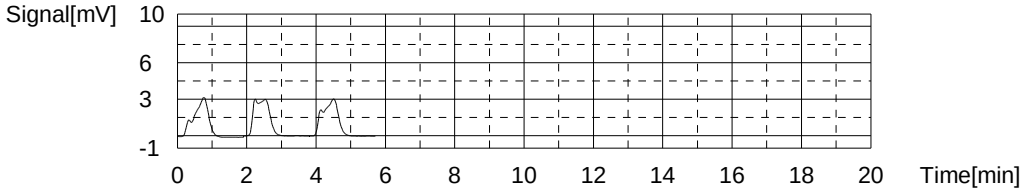
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:83.27mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.206	80.99mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:39:18 PM
2	9.478	84.11mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:41:22 PM
3	9.530	84.71mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:43:26 PM

Mean Area 9.405
Mean Conc. 83.27mg/L



Sample

Sample Name: 680-99155-l-15
Sample ID: M20
Origin: TOC415.1A.met
Status Completed
Chk. Result

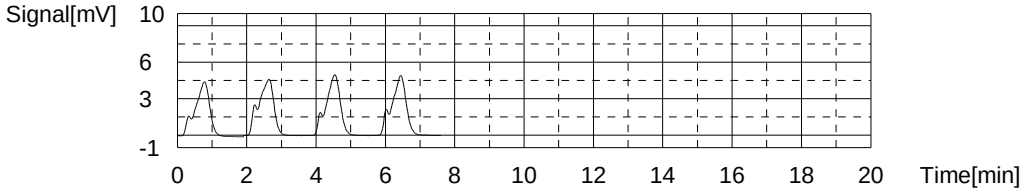
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:138.1mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.90	123.4mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:53:34 PM
2	14.14	137.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:55:37 PM
3	14.18	138.0mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:57:41 PM
4	14.23	138.6mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 12:59:45 PM

Mean Area 14.18
Mean Conc. 138.1mg/L



Sample

Sample Name: 680-99155-k-16
Sample ID: M50
Origin: TOC415.1A.met
Status Completed
Chk. Result

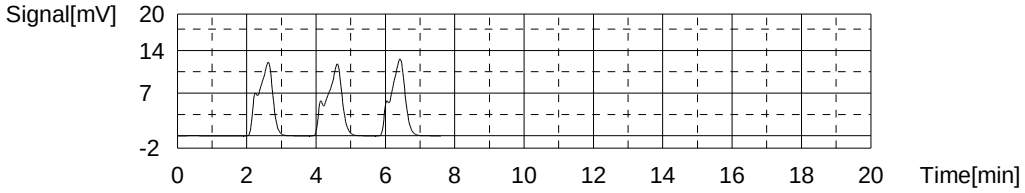
Type	Anal.	Dil.	Result
Unknown	NPOC	50.00	NPOC:967.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1420	-57.40mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:10:05 PM
2	35.22	948.3mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:12:09 PM
3	36.56	986.7mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:14:12 PM
4	35.90	967.8mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:16:16 PM

Mean Area 35.89
Mean Conc. 967.6mg/L



Sample

Sample Name: 680-99155-k-16 MS
Sample ID: M50
Origin: TOC415.1A.met
Status Completed
Chk. Result

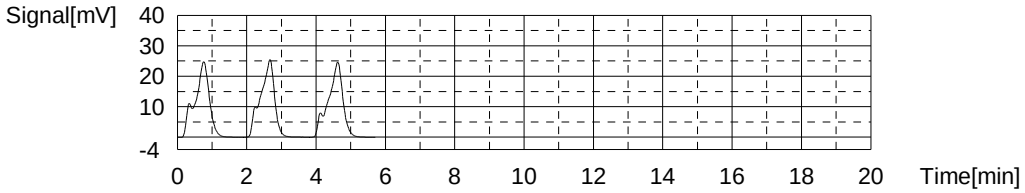
Type	Anal.	Dil.	Result
Unknown	NPOC	50.00	NPOC:1990mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	71.49	1988mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:26:35 PM
2	71.10	1977mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:28:39 PM
3	72.02	2003mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:30:42 PM

Mean Area 71.54
Mean Conc. 1990mg/L



Sample

Sample Name: 680-99155-k-16 MSD
Sample ID: M50
Origin: TOC415.1A.met
Status Completed
Chk. Result

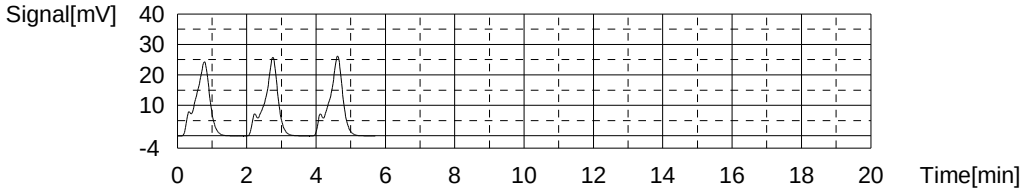
Type	Anal.	Dil.	Result
Unknown	NPOC	50.00	NPOC:1933mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	68.66	1907mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:37:28 PM
2	69.74	1938mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:39:31 PM
3	70.30	1954mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:41:35 PM

Mean Area 69.57
Mean Conc. 1933mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

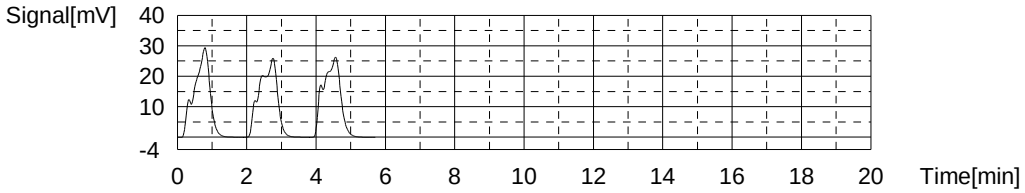
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:51.00mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	90.89	50.89mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:52:09 PM
2	91.27	51.11mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:54:13 PM
3	91.09	51.00mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 1:56:17 PM

Mean Area 91.08
Mean Conc. 51.00mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

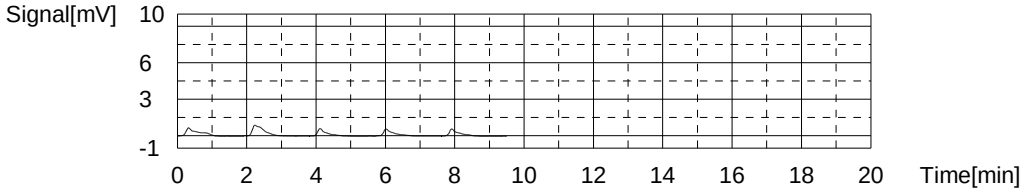
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.6238mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.686	-0.2626mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:06:37 PM
2	2.005	-0.07966mg/L	50uL	1	E	TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:08:40 PM
3	1.038	-0.6342mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:10:44 PM
4	1.068	-0.6169mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:12:47 PM
5	1.062	-0.6204mg/L	50uL	1		TOCCURVE100.2014_03_04_15_36_53.cal	3/15/2014 2:14:51 PM

Mean Area	1.056
Mean Conc.	-0.6238mg/L



	Sample Name	Sample ID	Dilution	Result	Action	Date / Time	Vial
1	TC	TC	1.000			3/4/2014 4:59	1, 2, 3, 4, 5, 6

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Cal. Curve

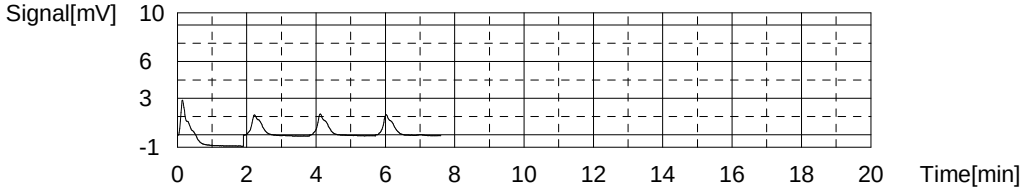
Sample Name:	TC
Sample ID:	TC
Cal. Curve:	TOCCURVE100.2014_03_04_15_36_53.cal
Status	Completed

Type	Anal.
Standard	TC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.000	50uL	1	*******	E	3/4/2014 3:41:51 PM
2	3.107	50uL	1	*******		3/4/2014 3:44:03 PM
3	3.067	50uL	1	*******		3/4/2014 3:46:07 PM
4	2.960	50uL	1	*******		3/4/2014 3:48:10 PM

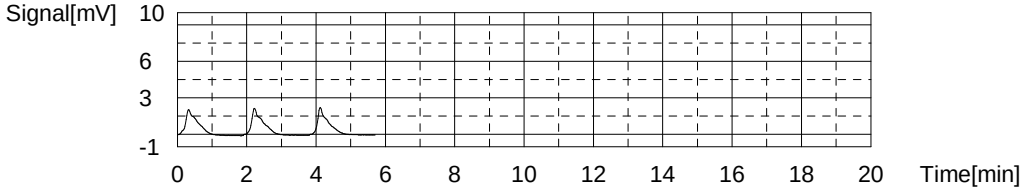
Acid Add. 0.000%
Mean Area 3.045



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.586	50uL	1	*******		3/4/2014 3:54:01 PM
2	4.661	50uL	1	*******		3/4/2014 3:56:05 PM
3	4.521	50uL	1	*******		3/4/2014 3:58:08 PM

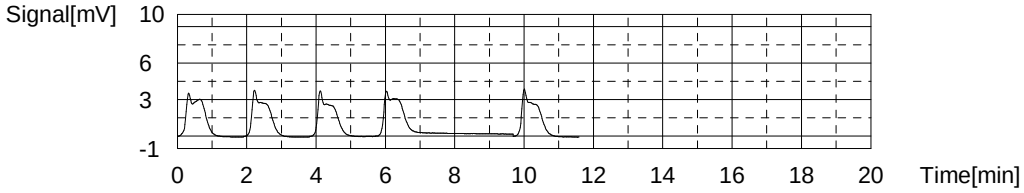
Acid Add. 0.000%
Mean Area 4.589



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	11.18	50uL	1	*******		3/4/2014 4:04:01 PM
2	11.20	50uL	1	*******		3/4/2014 4:06:04 PM
3	10.77	50uL	1	*******	E	3/4/2014 4:08:15 PM
4	14.08	50uL	1	*******	E	3/4/2014 4:12:23 PM
5	11.13	50uL	1	*******		3/4/2014 4:14:27 PM

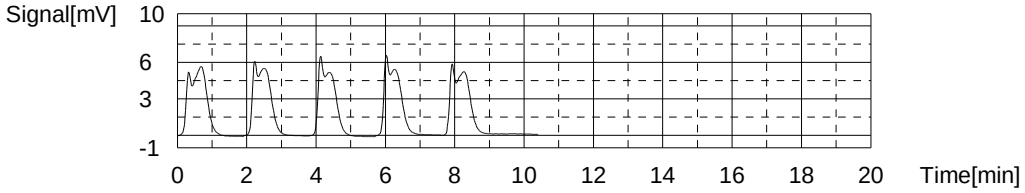
Acid Add. 0.000%
Mean Area 11.17



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	20.19	50uL	1	*******		3/4/2014 4:20:13 PM
2	19.81	50uL	1	*******		3/4/2014 4:22:17 PM
3	18.98	50uL	1	*******	E	3/4/2014 4:24:20 PM
4	19.10	50uL	1	*******	E	3/4/2014 4:26:23 PM
5	20.47	50uL	1	*******		3/4/2014 4:29:21 PM

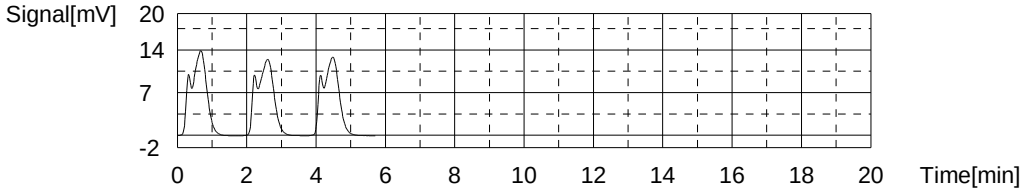
Acid Add. 0.000%
Mean Area 20.16



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	44.55	50uL	1	*******		3/4/2014 4:35:07 PM
2	43.46	50uL	1	*******		3/4/2014 4:37:11 PM
3	43.06	50uL	1	*******		3/4/2014 4:39:14 PM

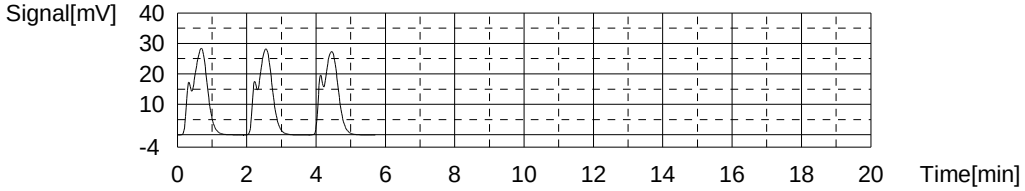
Acid Add. 0.000%
Mean Area 43.69



Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	89.41	50uL	1	*******		3/4/2014 4:45:07 PM
2	86.36	50uL	1	*******		3/4/2014 4:47:10 PM
3	87.07	50uL	1	*******		3/4/2014 4:49:14 PM

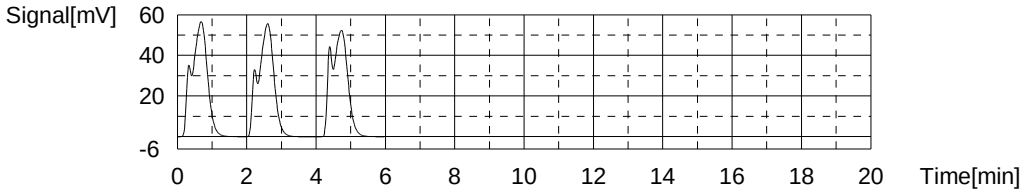
Acid Add. 0.000%
Mean Area 87.61



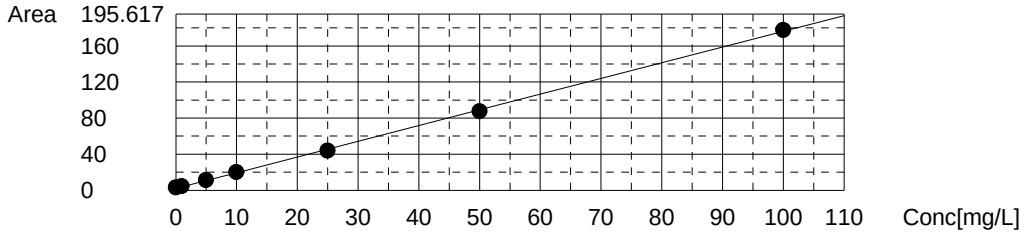
Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	179.9	50uL	1	*******		3/4/2014 4:55:07 PM
2	177.0	50uL	1	*******		3/4/2014 4:57:26 PM
3	176.6	50uL	1	*******		3/4/2014 4:59:29 PM

Acid Add. 0.000%
Mean Area 177.8



Slope:	1.744
Intercept	2.144
r^2	0.999567
r	0.999783
Zero Shift	No



	Sample Name	Sample ID	Dilution	Result	Date / Time	Vial
1	ICV		1.000	NPOC:19.81mg/L	3/15/2014 3:55:14 PM	1
2	ICB		1.000	NPOC:0.03409mg/L	3/15/2014 4:11:41 PM	2
3	BICARB		1.000	NPOC:0.5677mg/L	3/15/2014 4:29:58 PM	3
4	RLV		1.000	NPOC:1.058mg/L	3/15/2014 4:44:02 PM	4
5	LCS	415	1.000	NPOC:19.70mg/L	3/15/2014 4:58:13 PM	5
6	LCSD		1.000	NPOC:19.45mg/L	3/15/2014 5:10:56 PM	5
7	560-45929-b-1		1.000	NPOC:4.067mg/L	3/15/2014 5:29:13 PM	6
8	560-45929-c-1 MS		1.000	NPOC:23.69mg/L	3/15/2014 5:43:17 PM	7
9	560-45929-c-1 MSD		1.000	NPOC:23.74mg/L	3/15/2014 5:58:04 PM	7
10	560-45929-e-2		1.000	NPOC:4.444mg/L	3/15/2014 6:14:23 PM	8
11	680-99168-j-1		1.000	NPOC:0.4152mg/L	3/15/2014 6:30:37 PM	9
12	680-99168-k-2		1.000	NPOC:0.3187mg/L	3/15/2014 6:44:47 PM	10
13	CCV		1.000	NPOC:49.78mg/L	3/15/2014 6:58:59 PM	11
14	CCB		1.000	!!Failed!! NPOC:-0.01924mg/L	3/15/2014 7:15:14 PM	12
15	680-99168-k-3		1.000	NPOC:0.1976mg/L	3/15/2014 7:33:31 PM	13
16	680-99168-k-3 DU		1.000	NPOC:0.1739mg/L	3/15/2014 7:44:04 PM	13
17	680-99168-k-4		1.000	NPOC:0.3123mg/L	3/15/2014 7:58:14 PM	14
18	680-99168-k-5		1.000	NPOC:0.3617mg/L	3/15/2014 8:16:46 PM	15
19	680-99168-j-6		1.000	NPOC:343.2mg/L	3/15/2014 8:30:49 PM	16
20	680-99168-j-7		1.000	NPOC:340.7mg/L	3/15/2014 8:46:08 PM	17
21	680-99168-l-8		1.000	NPOC:118.9mg/L	3/15/2014 9:02:35 PM	18
22	680-99168-j-10		1.000	NPOC:0.9264mg/L	3/15/2014 9:19:01 PM	19
23	680-99210-b-1		1.000	NPOC:15.03mg/L	3/15/2014 9:37:31 PM	20
24	680-99210-a-2		1.000	NPOC:13.35mg/L	3/15/2014 9:51:49 PM	21
25	CCV		1.000	NPOC:49.52mg/L	3/15/2014 10:06:13 PM	11
26	CCB		1.000	NPOC:0.02535mg/L	3/15/2014 10:20:24 PM	12
27	680-99210-b-3	10	1.000	NPOC:90.03mg/L	3/15/2014 10:35:35 PM	22
28	680-99210-b-4		1.000	NPOC:1.132mg/L	3/15/2014 10:51:50 PM	23
29	LCS		1.000	NPOC:19.51mg/L	3/15/2014 11:06:14 PM	24
30	LCSD		1.000	NPOC:19.08mg/L	3/15/2014 11:17:06 PM	24
31	680-99220-j-2		1.000	NPOC:0.6216mg/L	3/15/2014 11:31:16 PM	25
32	680-99220-i-2 MS		1.000	NPOC:20.57mg/L	3/15/2014 11:45:27 PM	26
33	680-99220-i-2 MSD		1.000	NPOC:20.17mg/L	3/15/2014 11:56:19 PM	26
34	680-99220-i-3		1.000	NPOC:0.2940mg/L	3/16/2014 12:14:38 AM	27
35	680-99220-h-4		1.000	NPOC:0.6717mg/L	3/16/2014 12:30:46 AM	28
36	680-99220-h-5		1.000	NPOC:0.7915mg/L	3/16/2014 12:44:56 AM	29
37	CCV		1.000	NPOC:49.51mg/L	3/16/2014 12:59:19 AM	30
38	CCB		1.000	NPOC:0.07524mg/L	3/16/2014 1:13:31 AM	31
39	680-99220-j-6		1.000	NPOC:0.3605mg/L	3/16/2014 1:29:59 AM	32
40	680-99220-j-6 DU		1.000	NPOC:0.3208mg/L	3/16/2014 1:40:37 AM	32
41	680-99220-i-7		1.000	NPOC:0.4697mg/L	3/16/2014 1:55:02 AM	33
42	680-99220-l-8		1.000	NPOC:176.5mg/L	3/16/2014 2:09:14 AM	34
43	680-99220-ad-9		1.000	NPOC:48.36mg/L	3/16/2014 2:25:29 AM	35
44	LCS		1.000	NPOC:19.83mg/L	3/16/2014 2:39:40 AM	36
45	MB		1.000	NPOC:0.2570mg/L	3/16/2014 2:56:08 AM	37
46	560-45929-g-2		1.000	NPOC:4.168mg/L	3/16/2014 3:10:19 AM	38
47	560-45929-g-2 MS		1.000	NPOC:24.01mg/L	3/16/2014 3:24:46 AM	39
48	560-45929-g-2 MSD		1.000	NPOC:23.98mg/L	3/16/2014 3:37:41 AM	39
49	CCV		1.000	NPOC:50.10mg/L	3/16/2014 3:52:22 AM	30
50	CCB		1.000	NPOC:0.09563mg/L	3/16/2014 4:08:50 AM	31
51	680-99155-i-1		20.00	NPOC:214.6mg/L	3/16/2014 4:25:22 AM	40
52	680-99155-i-1 DU		20.00	NPOC:216.0mg/L	3/16/2014 4:38:19 AM	40
53	680-99155-i-2		20.00	NPOC:245.8mg/L	3/16/2014 4:55:28 AM	41
54	680-99155-i-3	10	1.000	NPOC:84.22mg/L	3/16/2014 5:10:33 AM	42
55	680-99155-i-4		20.00	NPOC:230.9mg/L	3/16/2014 5:27:02 AM	43
56	680-99155-i-5		20.00	NPOC:281.6mg/L	3/16/2014 5:43:29 AM	44
57	680-99155-i-6		20.00	NPOC:258.5mg/L	3/16/2014 6:02:00 AM	45
58	680-99155-i-7	10	1.000	NPOC:99.59mg/L	3/16/2014 6:18:50 AM	46
59	680-99155-i-8	10	1.000	NPOC:103.3mg/L	3/16/2014 6:35:59 AM	47
60	680-99155-i-9	10	1.000	NPOC:37.41mg/L	3/16/2014 6:54:59 AM	48
61	CCV		1.000	NPOC:49.67mg/L	3/16/2014 7:11:11 AM	49
62	CCB		1.000	NPOC:0.1822mg/L	3/16/2014 7:29:43 AM	50
63	680-99155-i-10		20.00	NPOC:231.0mg/L	3/16/2014 7:45:52 AM	51
64	680-99155-i-11		20.00	NPOC:259.2mg/L	3/16/2014 8:02:20 AM	52
65	680-99155-i-12		20.00	NPOC:1305mg/L	3/16/2014 8:16:31 AM	53
66	680-99155-i-13		20.00	NPOC:229.8mg/L	3/16/2014 8:33:01 AM	54
67	680-99155-i-14		20.00	NPOC:110.9mg/L	3/16/2014 8:49:16 AM	55
68	680-99155-i-15		20.00	NPOC:157.4mg/L	3/16/2014 9:05:32 AM	56
69	680-99155-i-16		20.00	NPOC:1048mg/L	3/16/2014 9:21:48 AM	57
70	680-99155-i-17		20.00	NPOC:1050mg/L	3/16/2014 9:36:00 AM	58

	Sample Name	Sample ID	Dilution	Result	Date / Time	Vial
71	680-99155-i-18		20.00	NPOC:195.4mg/L	3/16/2014 9:52:18 AM	59
72	680-99155-i-19		20.00	NPOC:173.5mg/L	3/16/2014 10:08:34 AM	60
73	CCV		1.000	NPOC:50.62mg/L	3/16/2014 10:22:59 AM	49
74	CCB		1.000	NPOC:0.2050mg/L	3/16/2014 10:41:19 AM	50
75	LCS		1.000	NPOC:19.94mg/L	3/16/2014 10:57:37 AM	61
76	MB		1.000	NPOC:0.4788mg/L	3/16/2014 11:11:49 AM	62
77	680-99155-i-20	5	1.000	NPOC:99.04mg/L	3/16/2014 11:26:43 AM	63
78	680-99155-i-20 MS	5	1.000	NPOC:113.6mg/L	3/16/2014 11:41:37 AM	64
79	680-99155-i-20 MSD	5	1.000	NPOC:113.7mg/L	3/16/2014 11:54:40 AM	64
80	680-99155-i-21		1.000	NPOC:26.25mg/L	3/16/2014 12:08:53 PM	65
81	680-99155-i-22		20.00	NPOC:752.6mg/L	3/16/2014 12:23:06 PM	66
82	680-99155-i-23		20.00	NPOC:205.2mg/L	3/16/2014 12:41:27 PM	67
83	680-99155-i-24		20.00	NPOC:268.5mg/L	3/16/2014 12:57:36 PM	68
84	680-99165-b-1		1.000	NPOC:1.756mg/L	3/16/2014 1:15:55 PM	69
85	CCV		1.000	NPOC:50.30mg/L	3/16/2014 1:30:09 PM	70
86	CCB		1.000	NPOC:0.07552mg/L	3/16/2014 1:48:29 PM	71
87	680-99165-b-2		1.000	NPOC:1.223mg/L	3/16/2014 2:02:36 PM	72
88	680-99165-b-2 DU		1.000	NPOC:1.132mg/L	3/16/2014 2:15:19 PM	72
89	680-99190-b-1		1.000	NPOC:3.519mg/L	3/16/2014 2:31:35 PM	73
90	680-99190-a-2		1.000	NPOC:2.328mg/L	3/16/2014 2:45:48 PM	74
91	680-99232-a-13		1.000	NPOC:4.180mg/L	3/16/2014 3:00:02 PM	75
92	CCV		1.000	NPOC:50.60mg/L	3/16/2014 3:16:37 PM	70
93	CCB		1.000	NPOC:0.1970mg/L	3/16/2014 3:34:55 PM	71

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	ICV
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

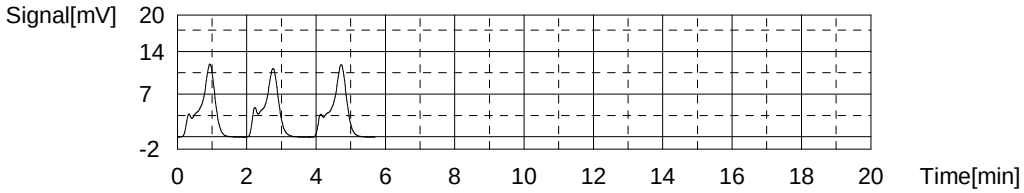
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.81mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.34	19.94mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 3:51:06 PM
2	34.37	19.39mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 3:53:10 PM
3	35.58	20.08mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 3:55:14 PM

Mean Area 35.10
Mean Conc. 19.81mg/L



Sample

Sample Name:	ICB
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

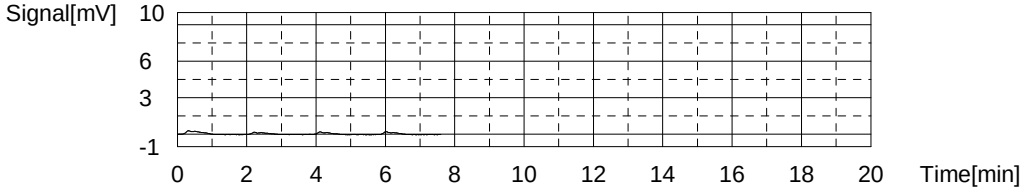
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.03409mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7908	0.2108mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:05:30 PM
2	0.4730	0.02931mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:07:34 PM
3	0.4545	0.01875mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:09:38 PM
4	0.5166	0.05422mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:11:41 PM

Mean Area 0.4814
Mean Conc. 0.03409mg/L



Sample

Sample Name: BICARB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

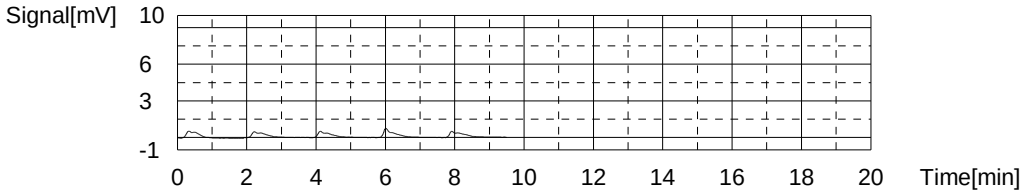
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5677mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.356	0.5337mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:21:44 PM
2	1.145	0.4131mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:23:48 PM
3	1.163	0.4234mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:25:51 PM
4	1.494	0.6125mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:27:55 PM
5	1.397	0.5571mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:29:58 PM

Mean Area 1.416
Mean Conc. 0.5677mg/L



Sample

Sample Name: RLV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

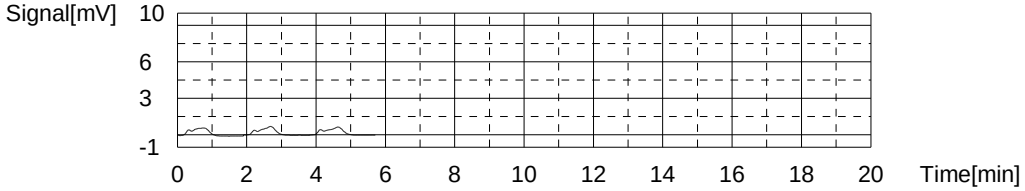
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.058mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.292	1.068mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:39:55 PM
2	2.247	1.043mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:41:59 PM
3	2.283	1.063mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:44:02 PM

Mean Area 2.274
Mean Conc. 1.058mg/L



Sample

Sample Name: LCS
Sample ID: 415
Origin: TOC415.1A.met
Status Completed
Chk. Result

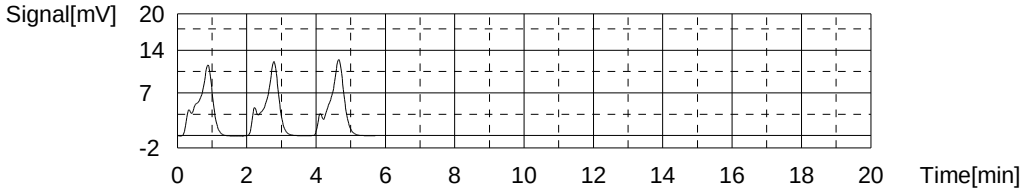
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.70mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.91	19.70mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:54:06 PM
2	34.53	19.48mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:56:10 PM
3	35.28	19.91mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:58:13 PM

Mean Area 34.91
Mean Conc. 19.70mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

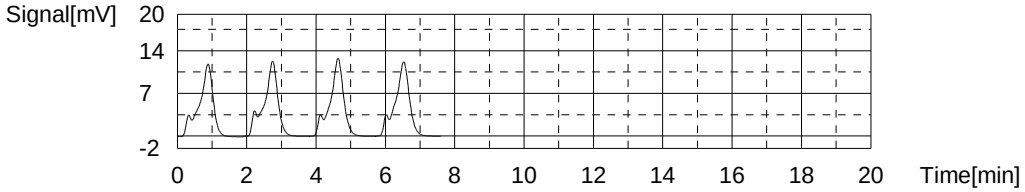
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.45mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.33	18.80mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:04:45 PM
2	34.23	19.31mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:06:49 PM
3	34.68	19.57mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:08:52 PM
4	34.50	19.46mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:10:56 PM

Mean Area 34.47
Mean Conc. 19.45mg/L



Sample

Sample Name: 560-45929-b-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

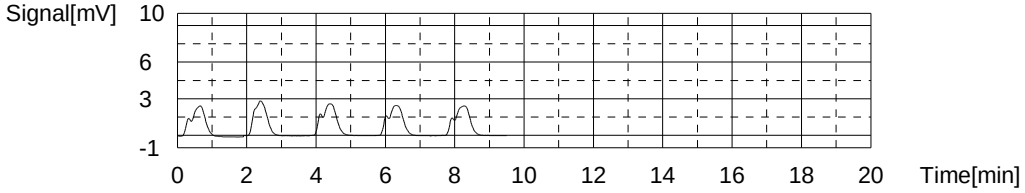
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.067mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.168	3.853mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:20:58 PM
2	7.171	3.855mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:23:02 PM
3	7.655	4.132mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:25:06 PM
4	7.435	4.006mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:27:09 PM
5	7.536	4.064mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:29:13 PM

Mean Area 7.542
Mean Conc. 4.067mg/L



Sample

Sample Name: 560-45929-c-1 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

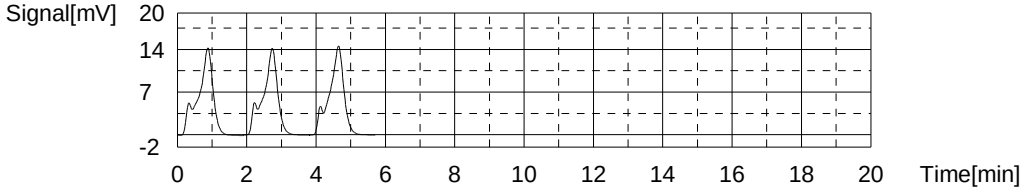
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.69mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.39	23.97mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:39:10 PM
2	41.12	23.25mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:41:14 PM
3	42.16	23.84mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:43:17 PM

Mean Area 41.89
Mean Conc. 23.69mg/L



Sample

Sample Name: 560-45929-c-1 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

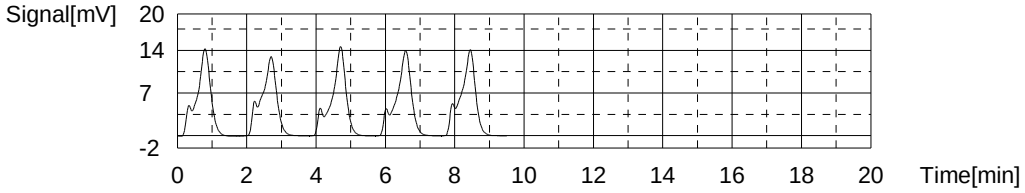
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.74mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	40.52	22.90mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:49:49 PM
2	39.64	22.40mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:51:53 PM
3	41.81	23.64mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:53:57 PM
4	42.08	23.79mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:56:00 PM
5	42.07	23.79mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:58:04 PM

Mean Area 41.99
Mean Conc. 23.74mg/L



Sample

Sample Name: 560-45929-e-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

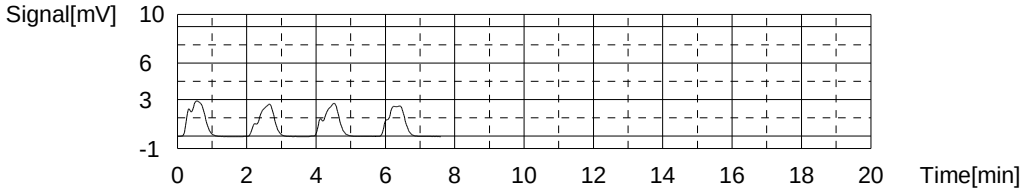
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.444mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.002	4.901mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:08:13 PM
2	8.078	4.373mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:10:16 PM
3	8.216	4.452mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:12:20 PM
4	8.310	4.506mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:14:23 PM

Mean Area 8.201
Mean Conc. 4.444mg/L



Sample

Sample Name: 680-99168-j-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

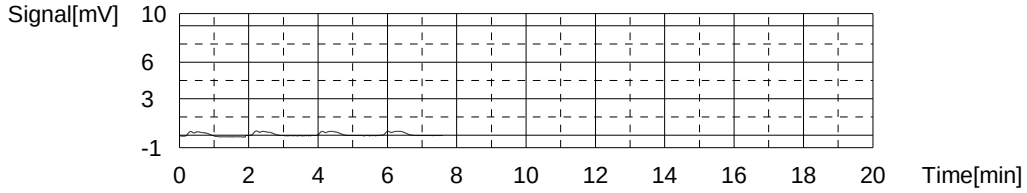
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4152mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.340	0.5245mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:24:26 PM
2	1.115	0.3960mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:26:30 PM
3	1.149	0.4154mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:28:33 PM
4	1.182	0.4343mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:30:37 PM

Mean Area 1.149
Mean Conc. 0.4152mg/L



Sample

Sample Name: 680-99168-k-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

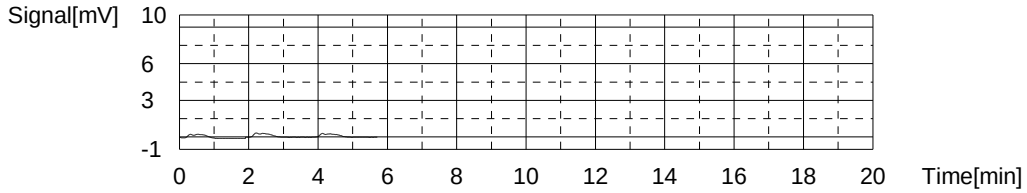
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3187mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9741	0.3155mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:40:39 PM
2	1.025	0.3446mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:42:43 PM
3	0.9400	0.2961mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:44:47 PM

Mean Area 0.9797
Mean Conc. 0.3187mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

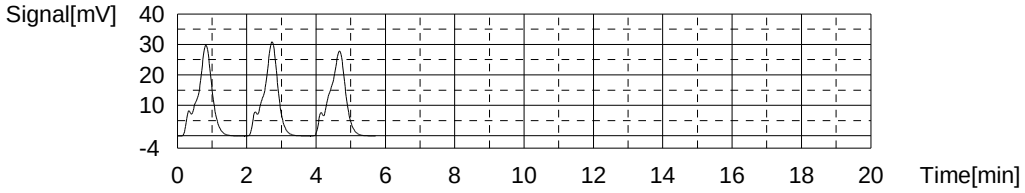
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.78mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.52	49.18mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:54:52 PM
2	87.48	49.73mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:56:56 PM
3	88.70	50.42mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:58:59 PM

Mean Area 87.57
Mean Conc. 49.78mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

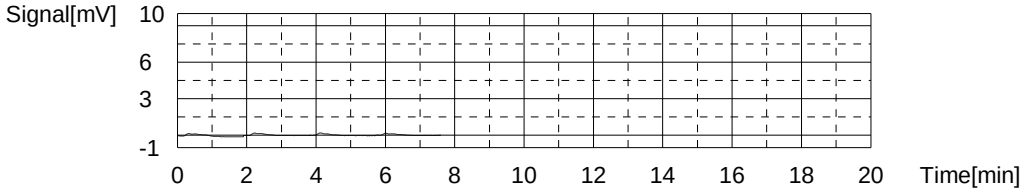
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.01924mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6115	0.1084mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:09:03 PM
2	0.4588	0.02120mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:11:07 PM
3	0.3426	-0.04517mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:13:10 PM
4	0.3626	-0.03374mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:15:14 PM

Mean Area 0.3880
Mean Conc. -0.01924mg/L



Sample

Sample Name: 680-99168-k-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

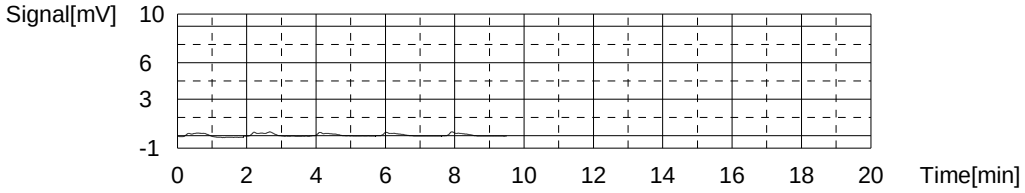
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1976mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.210	0.4503mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:25:16 PM
2	1.105	0.3903mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:27:20 PM
3	0.7257	0.1737mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:29:23 PM
4	0.7587	0.1925mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:31:27 PM
5	0.8183	0.2265mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:33:31 PM

Mean Area 0.7676
Mean Conc. 0.1976mg/L



Sample

Sample Name: 680-99168-k-3 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

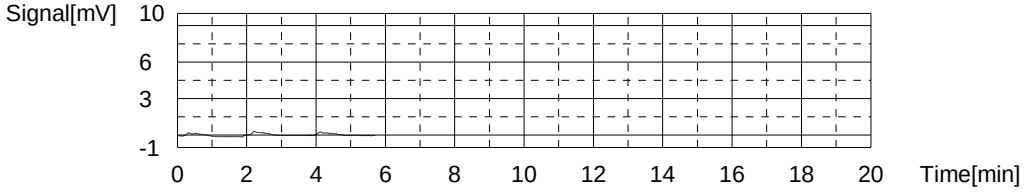
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1739mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7432	0.1836mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:39:57 PM
2	0.7338	0.1783mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:42:00 PM
3	0.7016	0.1599mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:44:04 PM

Mean Area 0.7262
Mean Conc. 0.1739mg/L



Sample

Sample Name: 680-99168-k-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

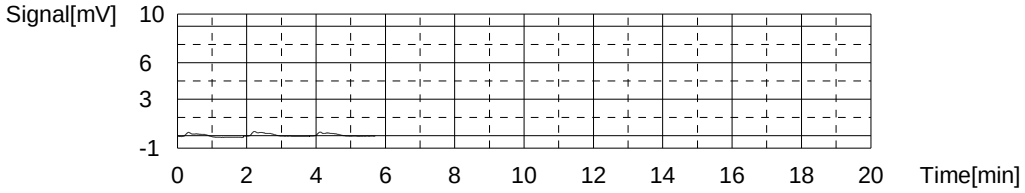
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3123mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9747	0.3159mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:54:07 PM
2	1.027	0.3457mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:56:11 PM
3	0.9036	0.2753mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:58:14 PM

Mean Area 0.9684
Mean Conc. 0.3123mg/L



Sample

Sample Name: 680-99168-k-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

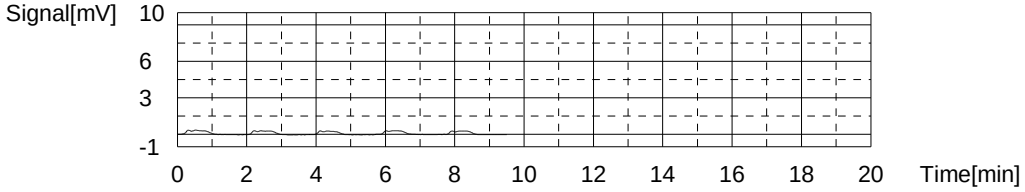
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3617mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.277	0.4885mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:08:31 PM
2	1.300	0.5017mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:10:35 PM
3	1.015	0.3389mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:12:39 PM
4	1.055	0.3617mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:14:42 PM
5	1.095	0.3846mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:16:46 PM

Mean Area 1.055
Mean Conc. 0.3617mg/L



Sample

Sample Name: 680-99168-j-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

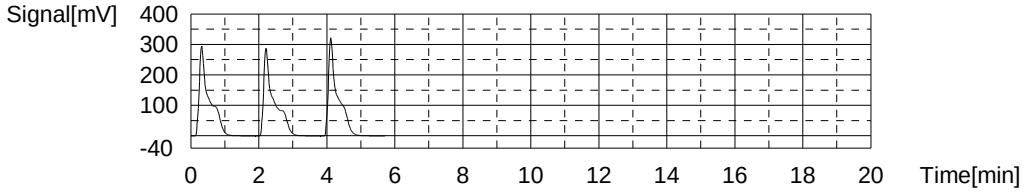
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:343.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	596.1	340.2mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:26:42 PM
2	605.3	345.5mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:28:46 PM
3	602.5	343.9mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:30:49 PM

Mean Area 601.3
Mean Conc. 343.2mg/L



Sample

Sample Name: 680-99168-j-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

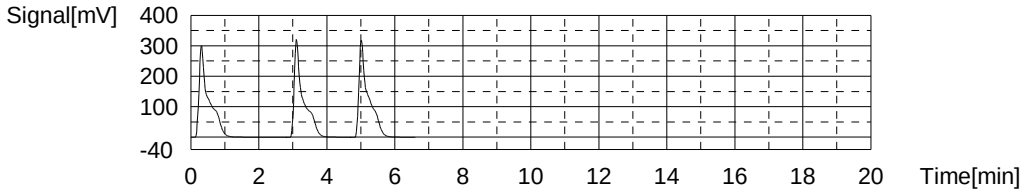
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:340.7mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	592.6	338.2mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:42:01 PM
2	590.9	337.3mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:44:04 PM
3	607.0	346.5mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:46:08 PM

Mean Area 596.8
Mean Conc. 340.7mg/L



Sample

Sample Name: 680-99168-l-8
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

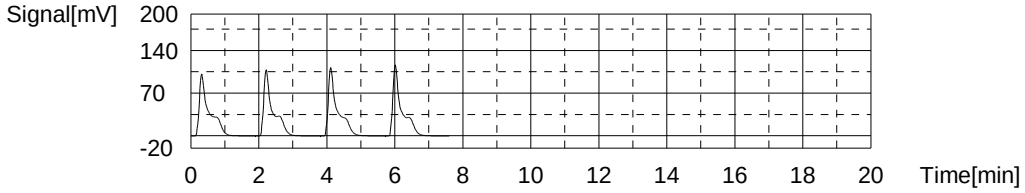
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:118.9mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	203.9	116.2mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:56:25 PM
2	202.5	115.4mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:58:28 PM
3	211.3	120.4mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:00:32 PM
4	210.7	120.1mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:02:35 PM

Mean Area 208.6
Mean Conc. 118.9mg/L



Sample

Sample Name: 680-99168-j-10
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

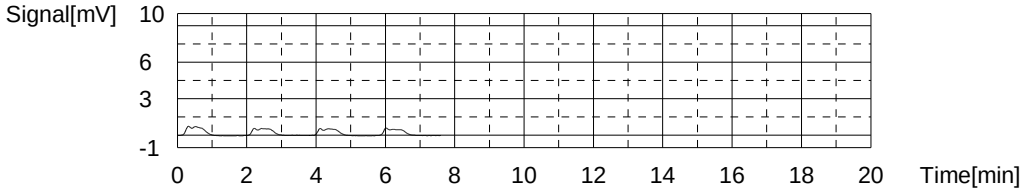
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9264mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.513	1.195mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:12:51 PM
2	2.121	0.9706mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:14:54 PM
3	2.000	0.9015mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:16:58 PM
4	2.010	0.9072mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:19:01 PM

Mean Area 2.044
Mean Conc. 0.9264mg/L



Sample

Sample Name: 680-99210-b-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

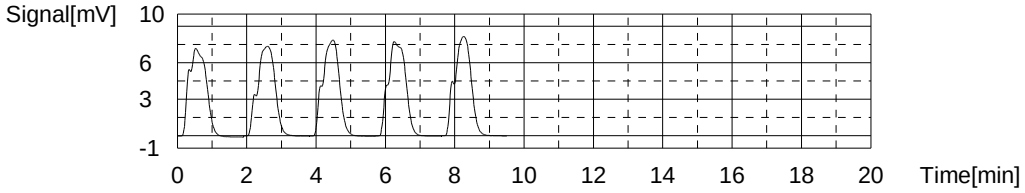
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:15.03mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	25.01	14.04mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:29:17 PM
2	25.77	14.48mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:31:20 PM
3	26.24	14.75mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:33:24 PM
4	26.97	15.16mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:35:27 PM
5	26.99	15.18mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:37:31 PM

Mean Area 26.73
Mean Conc. 15.03mg/L



Sample

Sample Name: 680-99210-a-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

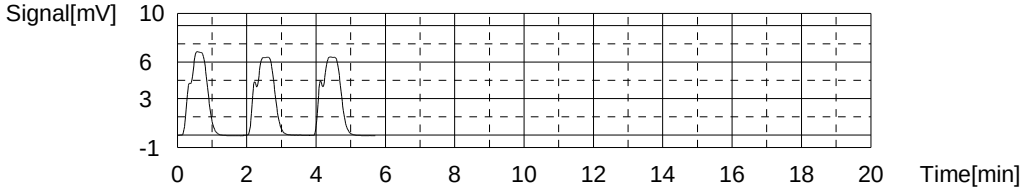
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:13.35mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	23.40	13.12mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:47:41 PM
2	23.73	13.31mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:49:45 PM
3	24.24	13.60mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:51:49 PM

Mean Area 23.79
Mean Conc. 13.35mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

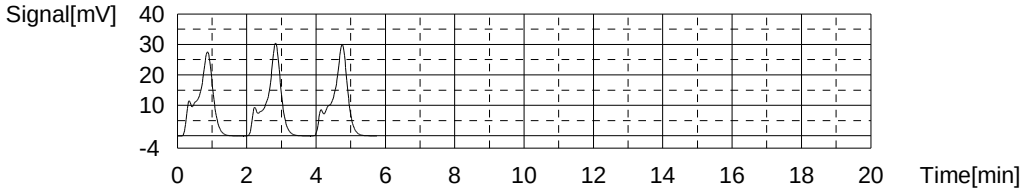
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.52mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.78	48.76mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:02:04 PM
2	86.67	49.26mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:04:08 PM
3	88.91	50.54mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:06:13 PM

Mean Area 87.12
Mean Conc. 49.52mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

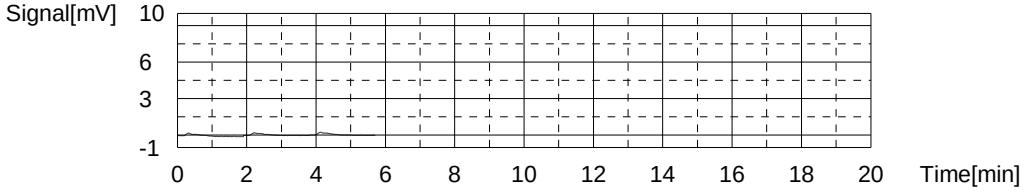
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.02535mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4783	0.03234mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:16:17 PM
2	0.4280	0.00361mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:18:21 PM
3	0.4919	0.04011mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:20:24 PM

Mean Area 0.4661
Mean Conc. 0.02535mg/L



Sample

Sample Name: 680-99210-b-3
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

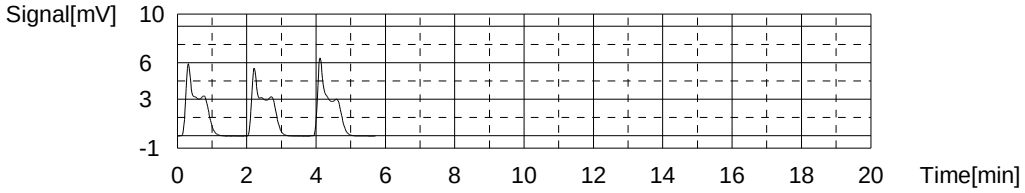
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:90.03mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.97	88.81mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:31:28 PM
2	16.19	90.07mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:33:31 PM
3	16.39	91.21mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:35:35 PM

Mean Area 16.18
Mean Conc. 90.03mg/L



Sample

Sample Name: 680-99210-b-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

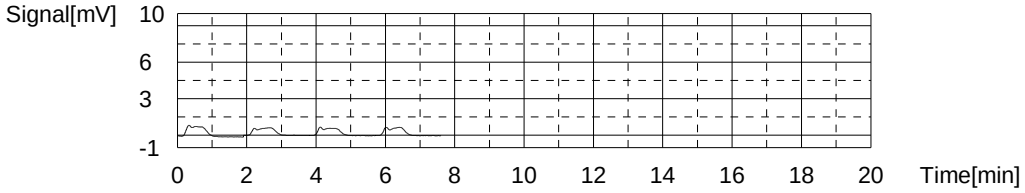
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.132mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.005	1.476mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:45:40 PM
2	2.455	1.161mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:47:43 PM
3	2.328	1.089mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:49:47 PM
4	2.429	1.147mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:51:50 PM

Mean Area 2.404
Mean Conc. 1.132mg/L



Sample

Sample Name: LCS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

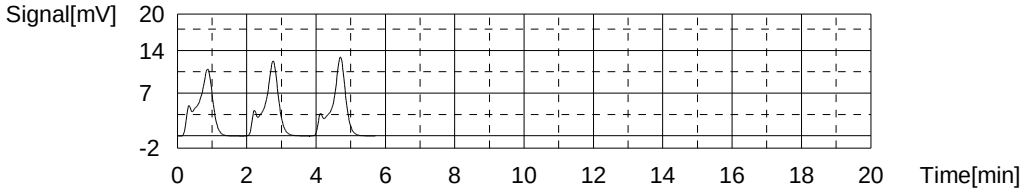
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.51mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.44	19.43mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:02:07 PM
2	34.41	19.41mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:04:10 PM
3	34.89	19.69mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:06:14 PM

Mean Area 34.58
Mean Conc. 19.51mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

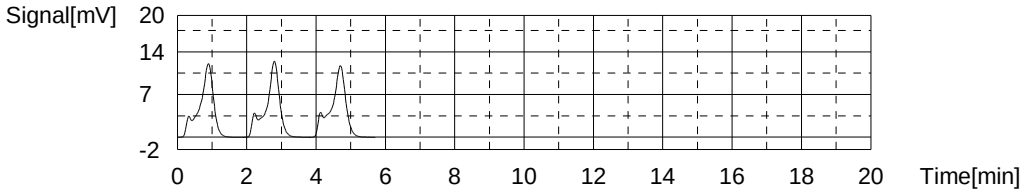
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.08mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.34	18.80mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:12:59 PM
2	33.74	19.03mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:15:02 PM
3	34.38	19.40mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:17:06 PM

Mean Area 33.82
Mean Conc. 19.08mg/L



Sample

Sample Name: 680-99220-j-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

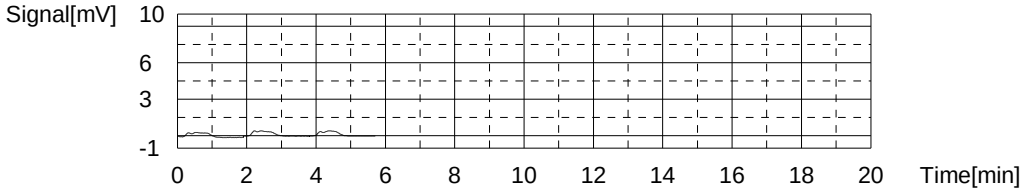
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6216mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.512	0.6228mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:27:09 PM
2	1.605	0.6759mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:29:13 PM
3	1.413	0.5662mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:31:16 PM

Mean Area 1.510
Mean Conc. 0.6216mg/L



Sample

Sample Name: 680-99220-i-2 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

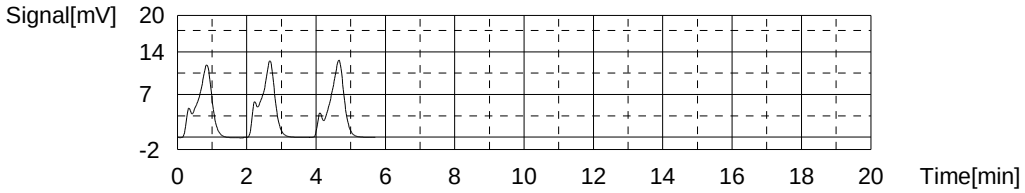
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.57mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.50	20.61mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:41:20 PM
2	36.17	20.42mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:43:24 PM
3	36.64	20.69mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:45:27 PM

Mean Area 36.44
Mean Conc. 20.57mg/L



Sample

Sample Name: 680-99220-i-2 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

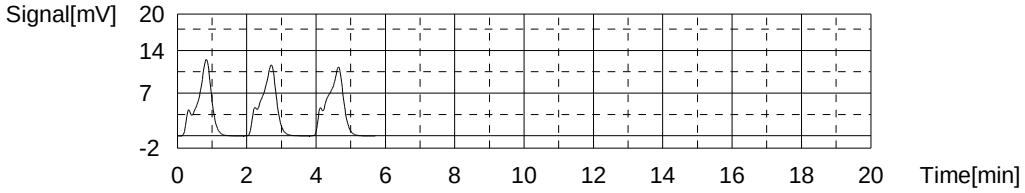
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.17mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.33	19.94mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:52:12 PM
2	35.52	20.05mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:54:15 PM
3	36.35	20.52mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:56:19 PM

Mean Area 35.73
Mean Conc. 20.17mg/L



Sample

Sample Name: 680-99220-i-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

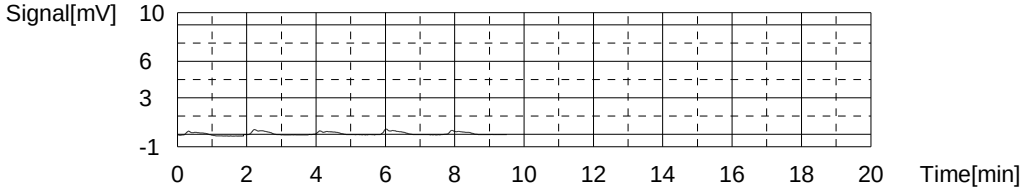
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2940mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9360	0.2938mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:06:23 AM
2	1.101	0.3880mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:08:27 AM
3	0.9110	0.2795mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:10:31 AM
4	1.256	0.4765mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:12:34 AM
5	0.9624	0.3089mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:14:38 AM

Mean Area 0.9365
Mean Conc. 0.2940mg/L



Sample

Sample Name: 680-99220-h-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

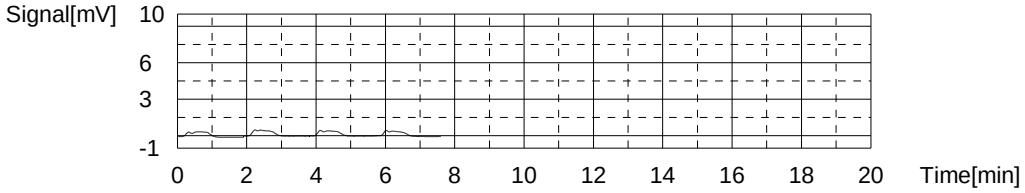
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6717mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.652	0.7027mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:24:36 AM
2	1.807	0.7913mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:26:39 AM
3	1.620	0.6845mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:28:43 AM
4	1.521	0.6279mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:30:46 AM

Mean Area 1.598
Mean Conc. 0.6717mg/L



Sample

Sample Name: 680-99220-h-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

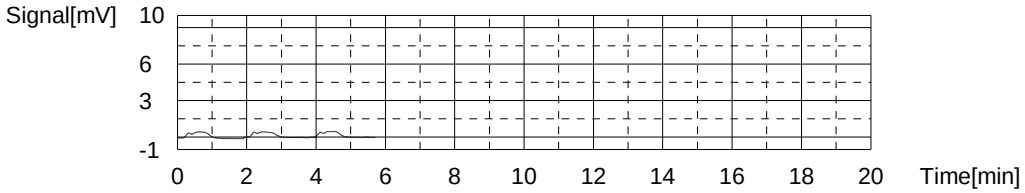
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7915mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.916	0.8535mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:40:49 AM
2	1.786	0.7793mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:42:52 AM
3	1.720	0.7416mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:44:56 AM

Mean Area 1.807
Mean Conc. 0.7915mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

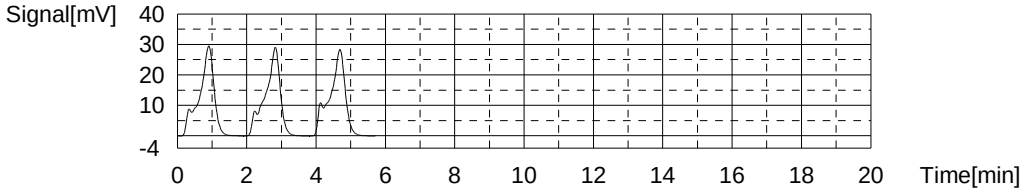
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.51mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.86	49.37mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:55:12 AM
2	86.52	49.18mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:57:16 AM
3	87.94	49.99mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:59:19 AM

Mean Area 87.11
Mean Conc. 49.51mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

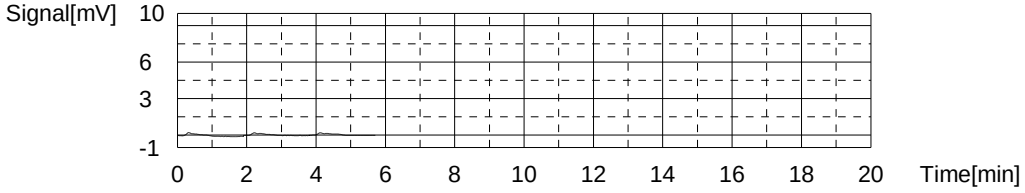
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.07524mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6147	0.1103mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:09:24 AM
2	0.5147	0.05313mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:11:27 AM
3	0.5308	0.06233mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:13:31 AM

Mean Area 0.5534
Mean Conc. 0.07524mg/L



Sample

Sample Name: 680-99220-j-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

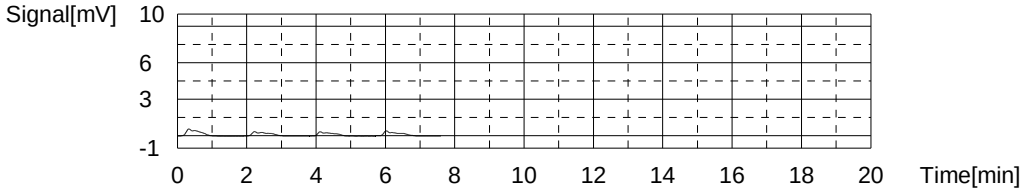
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3605mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.479	0.6039mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:23:48 AM
2	1.059	0.3640mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:25:52 AM
3	0.9674	0.3117mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:27:55 AM
4	1.132	0.4057mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:29:59 AM

Mean Area 1.053
Mean Conc. 0.3605mg/L



Sample

Sample Name: 680-99220-j-6 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

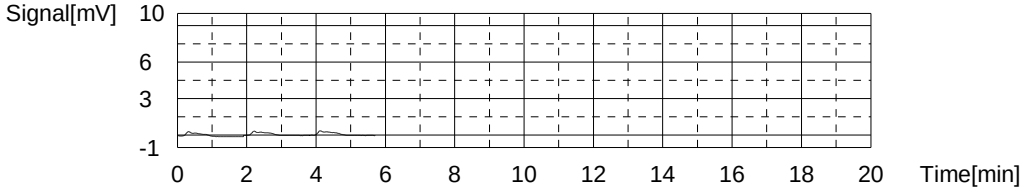
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3208mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9385	0.2952mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:36:30 AM
2	0.9514	0.3026mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:38:33 AM
3	1.060	0.3646mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:40:37 AM

Mean Area 0.9833
Mean Conc. 0.3208mg/L



Sample

Sample Name: 680-99220-i-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

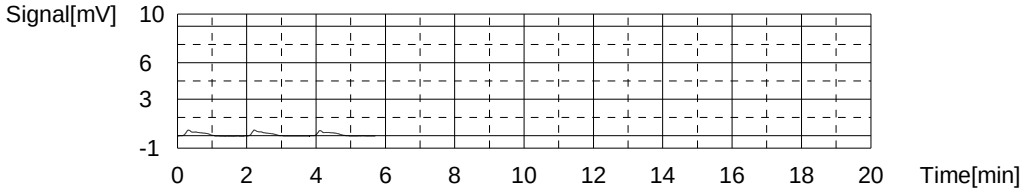
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4697mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.321	0.5137mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:50:55 AM
2	1.253	0.4748mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:52:58 AM
3	1.158	0.4206mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:55:02 AM

Mean Area 1.244
Mean Conc. 0.4697mg/L



Sample

Sample Name: 680-99220-I-8
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

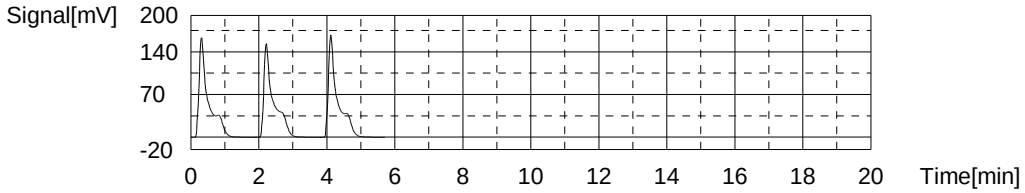
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:176.5mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	309.6	176.6mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:05:07 AM
2	303.4	173.1mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:07:10 AM
3	315.3	179.9mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:09:14 AM

Mean Area 309.4
Mean Conc. 176.5mg/L



Sample

Sample Name: 680-99220-ad-9
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

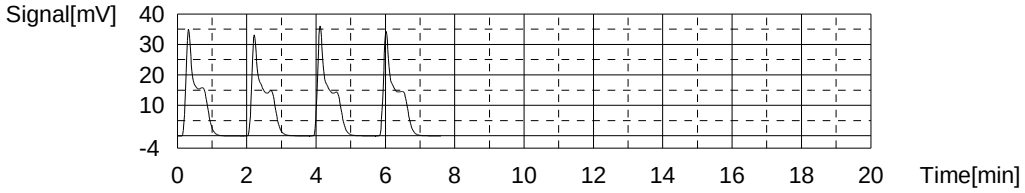
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.36mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	82.23	46.73mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:19:19 AM
2	83.71	47.57mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:21:22 AM
3	85.66	48.69mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:23:26 AM
4	85.90	48.82mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:25:29 AM

Mean Area 85.09
Mean Conc. 48.36mg/L



Sample

Sample Name: LCS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

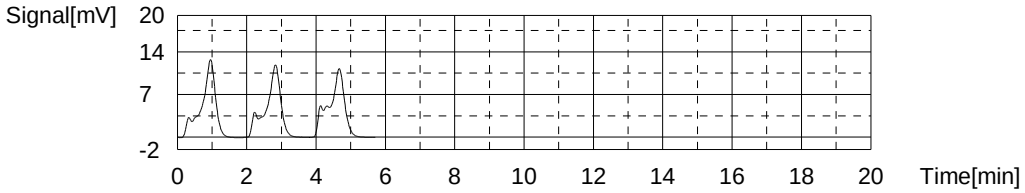
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.83mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.67	20.13mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:35:33 AM
2	34.53	19.48mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:37:36 AM
3	35.22	19.88mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:39:40 AM

Mean Area 35.14
Mean Conc. 19.83mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

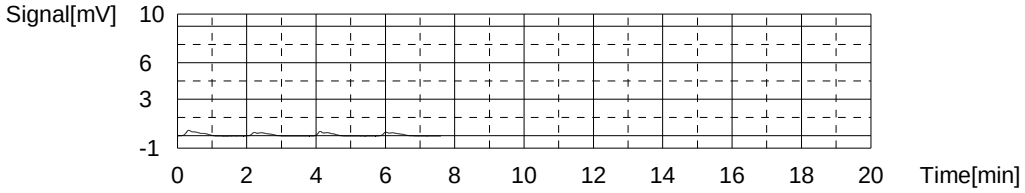
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2570mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.197	0.4428mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:49:58 AM
2	0.8782	0.2608mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:52:01 AM
3	0.8856	0.2650mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:54:05 AM
4	0.8511	0.2453mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:56:08 AM

Mean Area 0.8716
Mean Conc. 0.2570mg/L



Sample

Sample Name: 560-45929-g-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

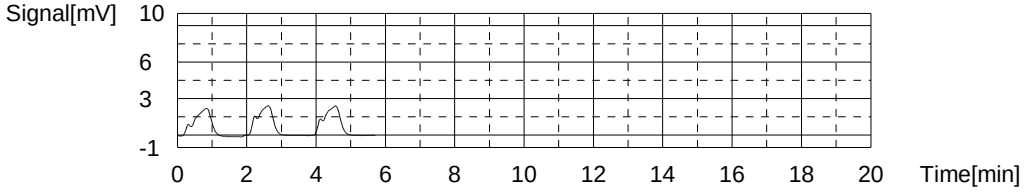
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.168mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.693	4.153mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:06:12 AM
2	7.608	4.105mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:08:15 AM
3	7.856	4.246mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:10:19 AM

Mean Area 7.719
Mean Conc. 4.168mg/L



Sample

Sample Name: 560-45929-g-2 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

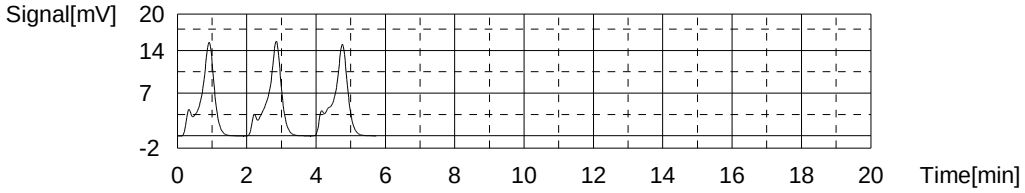
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.01mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.79	23.63mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:20:37 AM
2	42.56	24.07mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:22:42 AM
3	43.03	24.34mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:24:46 AM

Mean Area 42.46
Mean Conc. 24.01mg/L



Sample

Sample Name: 560-45929-g-2 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

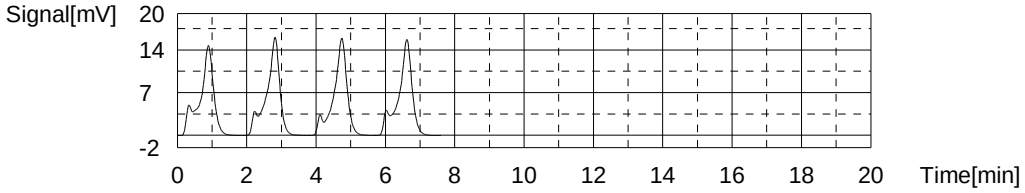
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.98mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	40.65	22.98mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:31:31 AM
2	42.41	23.98mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:33:34 AM
3	42.30	23.92mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:35:38 AM
4	42.49	24.03mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:37:41 AM

Mean Area 42.40
Mean Conc. 23.98mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

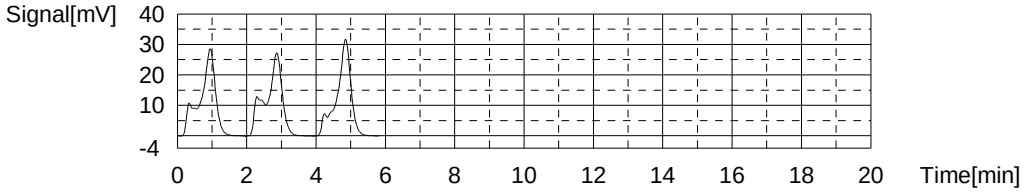
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.10mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.54	49.76mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:48:11 AM
2	88.35	50.22mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:50:19 AM
3	88.53	50.33mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:52:22 AM

Mean Area 88.14
Mean Conc. 50.10mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

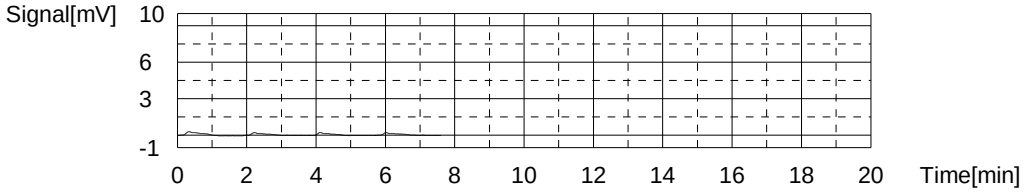
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.09563mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8307	0.2336mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:02:39 AM
2	0.5721	0.08592mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:04:43 AM
3	0.6104	0.1078mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:06:46 AM
4	0.5848	0.09317mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:08:50 AM

Mean Area 0.5891
Mean Conc. 0.09563mg/L



Sample

Sample Name: 680-99155-i-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

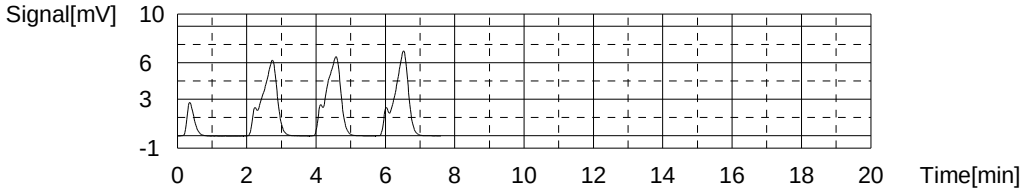
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:214.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.887	39.59mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:19:11 AM
2	18.86	210.6mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:21:15 AM
3	19.33	216.0mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:23:19 AM
4	19.44	217.3mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:25:22 AM

Mean Area 19.21
Mean Conc. 214.6mg/L



Sample

Sample Name: 680-99155-i-1 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

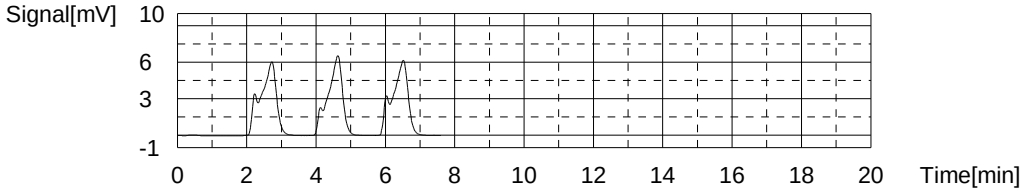
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:216.0mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-4.817mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:32:08 AM
2	19.41	216.9mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:34:11 AM
3	19.11	213.5mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:36:15 AM
4	19.48	217.7mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:38:19 AM

Mean Area 19.33
Mean Conc. 216.0mg/L



Sample

Sample Name: 680-99155-i-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

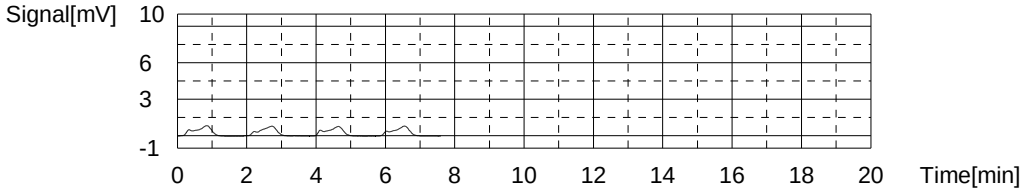
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:245.8mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.856	278.1mg/L	50uL	10	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:49:17 AM
2	2.523	240.0mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:51:21 AM
3	2.621	251.2mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:53:24 AM
4	2.575	246.0mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:55:28 AM

Mean Area 2.573
Mean Conc. 245.8mg/L



Sample

Sample Name: 680-99155-i-3
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

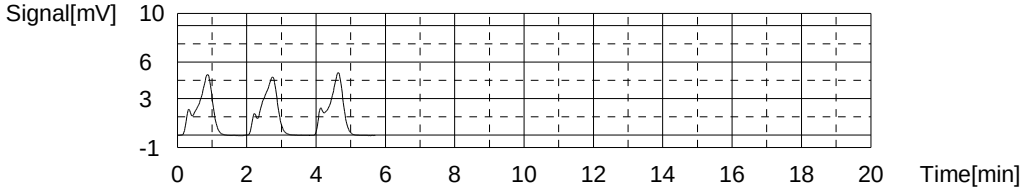
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:84.22mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.33	85.15mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:06:26 AM
2	14.93	82.87mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:08:30 AM
3	15.24	84.64mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:10:33 AM

Mean Area 15.17
Mean Conc. 84.22mg/L



Sample

Sample Name: 680-99155-i-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

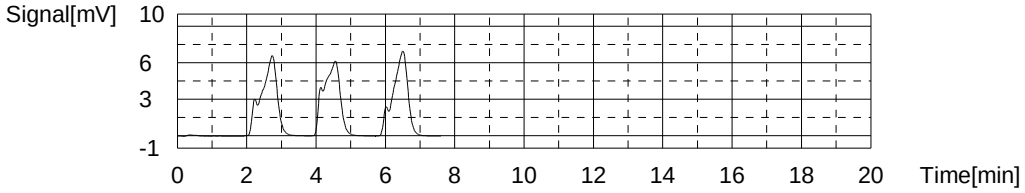
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:230.9mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.2058	-2.466mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:20:51 AM
2	20.88	233.7mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:22:55 AM
3	20.48	229.1mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:24:58 AM
4	20.54	229.8mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:27:02 AM

Mean Area 20.63
Mean Conc. 230.9mg/L



Sample

Sample Name: 680-99155-i-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

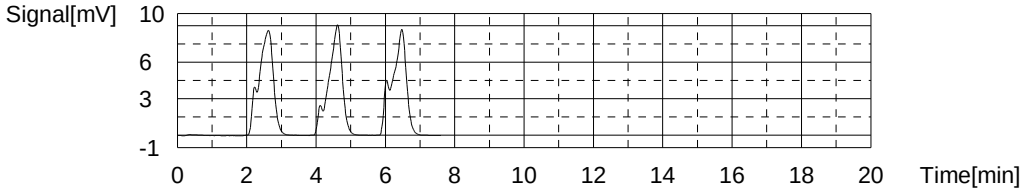
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:281.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1532	-3.067mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:37:19 AM
2	25.26	283.7mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:39:22 AM
3	24.80	278.5mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:41:26 AM
4	25.16	282.6mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:43:29 AM

Mean Area 25.07
Mean Conc. 281.6mg/L



Sample

Sample Name: 680-99155-i-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

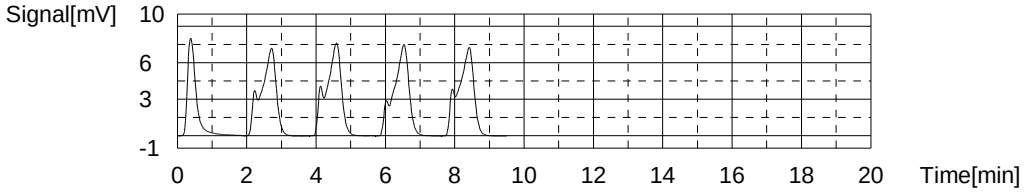
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:258.5mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.60	150.5mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:53:45 AM
2	22.17	248.4mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:55:49 AM
3	23.23	260.6mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:57:53 AM
4	22.85	256.2mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:59:57 AM
5	23.06	258.6mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:02:00 AM

Mean Area 23.05
Mean Conc. 258.5mg/L



Sample

Sample Name: 680-99155-i-7
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

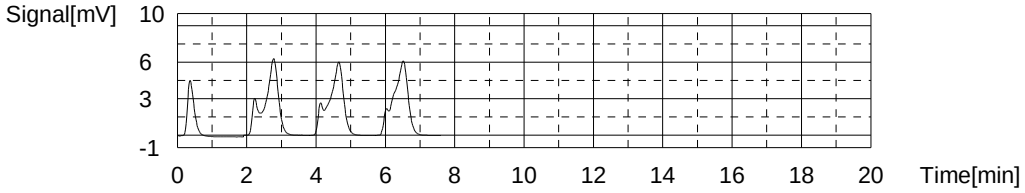
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:99.59mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.046	32.13mg/L	50uL	10	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:12:40 AM
2	17.87	99.66mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:14:43 AM
3	17.81	99.32mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:16:47 AM
4	17.89	99.78mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:18:50 AM

Mean Area 17.86
Mean Conc. 99.59mg/L



Sample

Sample Name: 680-99155-i-8
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

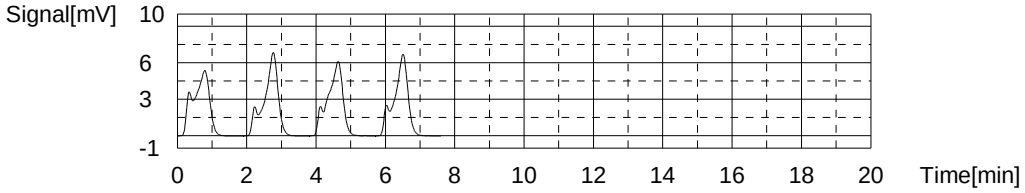
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:103.3mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.59	98.06mg/L	50uL	10	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:29:48 AM
2	18.82	105.1mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:31:52 AM
3	18.40	102.7mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:33:56 AM
4	18.29	102.1mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:35:59 AM

Mean Area 18.50
Mean Conc. 103.3mg/L



Sample

Sample Name: 680-99155-i-9
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

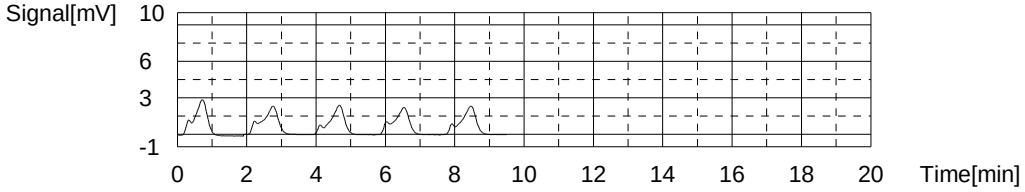
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:37.41mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.730	41.74mg/L	50uL	10	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:46:45 AM
2	7.314	39.37mg/L	50uL	10	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:48:48 AM
3	6.984	37.48mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:50:52 AM
4	6.947	37.27mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:52:56 AM
5	6.982	37.47mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:54:59 AM

Mean Area 6.971
Mean Conc. 37.41mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

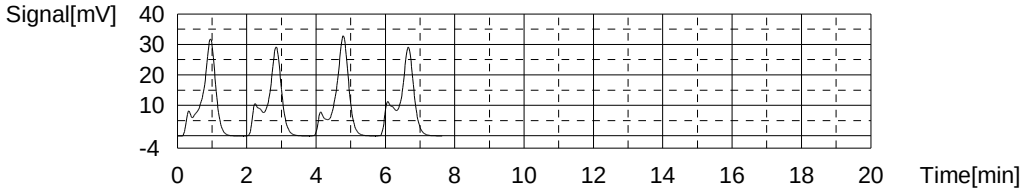
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.67mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	88.30	50.19mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:04:58 AM
2	86.06	48.91mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:07:01 AM
3	90.27	51.32mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:09:06 AM
4	87.81	49.91mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:11:11 AM

Mean Area 87.39
Mean Conc. 49.67mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

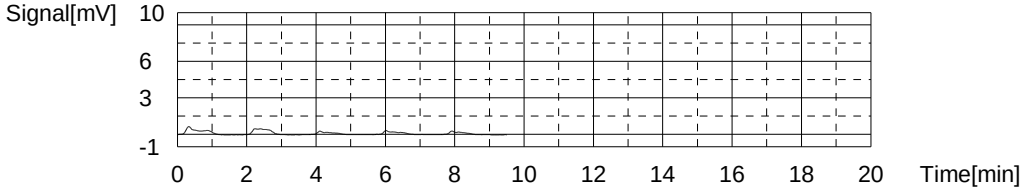
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1822mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.853	0.8175mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:21:28 AM
2	1.597	0.6713mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:23:31 AM
3	0.6928	0.1549mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:25:35 AM
4	0.8557	0.2479mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:27:39 AM
5	0.6733	0.1437mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:29:43 AM

Mean Area 0.7406
Mean Conc. 0.1822mg/L



Sample

Sample Name: 680-99155-i-10
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

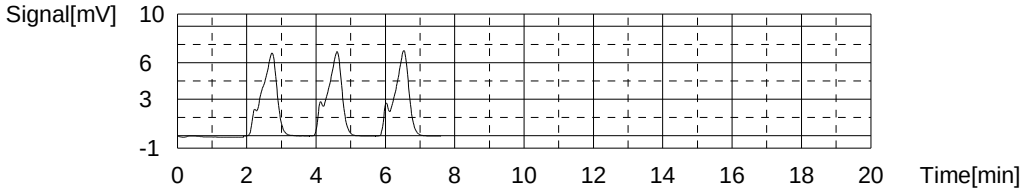
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:231.0mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1774	-2.791mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:39:41 AM
2	20.66	231.2mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:41:44 AM
3	20.60	230.5mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:43:48 AM
4	20.67	231.3mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:45:52 AM

Mean Area 20.64
Mean Conc. 231.0mg/L



Sample

Sample Name: 680-99155-i-11
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

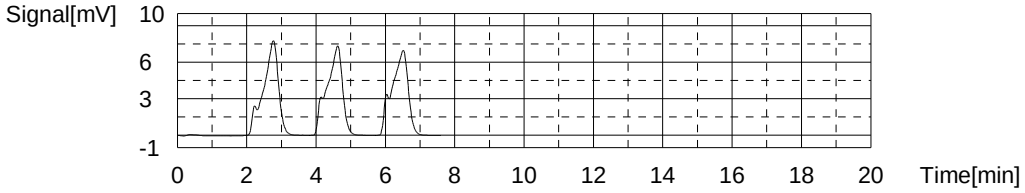
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:259.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1884	-2.665mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:56:09 AM
2	23.46	263.2mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:58:12 AM
3	22.98	257.7mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:00:16 AM
4	22.90	256.8mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:02:20 AM

Mean Area 23.11
Mean Conc. 259.2mg/L



Sample

Sample Name: 680-99155-i-12
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

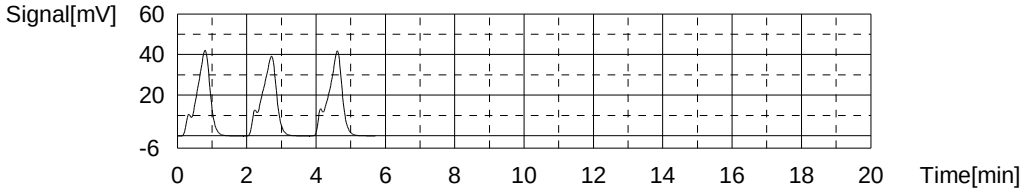
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:1305mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.4	1291mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:12:24 AM
2	114.8	1307mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:14:28 AM
3	115.8	1318mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:16:31 AM

Mean Area 114.7
Mean Conc. 1305mg/L



Sample

Sample Name: 680-99155-i-13
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

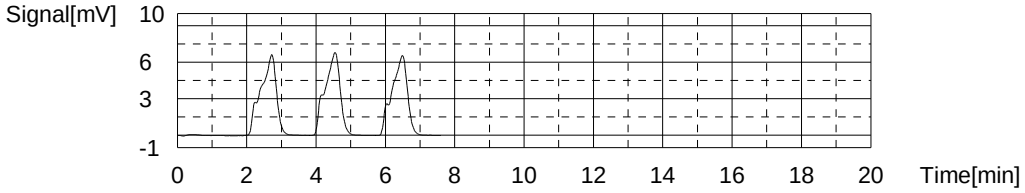
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:229.8mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.2436	-2.034mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:26:50 AM
2	20.65	231.1mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:28:53 AM
3	20.66	231.2mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:30:57 AM
4	20.31	227.2mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:33:01 AM

Mean Area 20.54
Mean Conc. 229.8mg/L



Sample

Sample Name: 680-99155-i-14
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

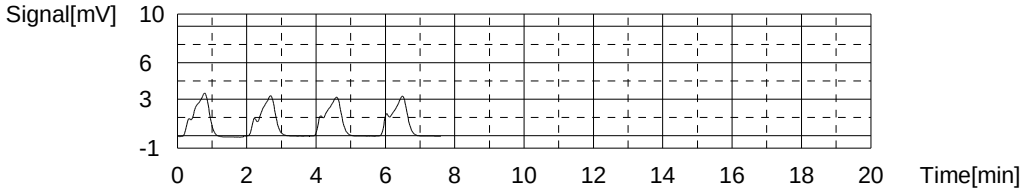
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:110.9mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.82	118.8mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:43:05 AM
2	9.941	108.7mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:45:09 AM
3	10.19	111.6mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:47:13 AM
4	10.26	112.4mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:49:16 AM

Mean Area 10.13
Mean Conc. 110.9mg/L



Sample

Sample Name: 680-99155-i-15
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

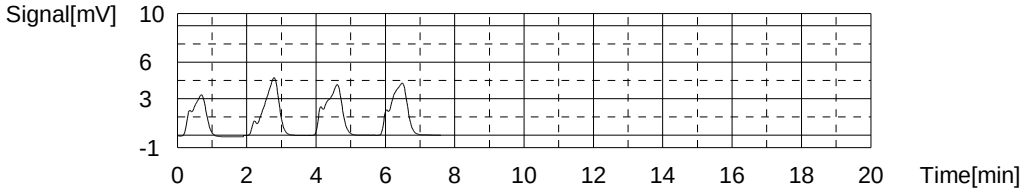
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:157.4mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.988	109.3mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:59:21 AM
2	14.26	158.1mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:01:24 AM
3	14.04	155.6mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:03:28 AM
4	14.29	158.4mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:05:32 AM

Mean Area 14.20
Mean Conc. 157.4mg/L



Sample

Sample Name: 680-99155-i-16
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

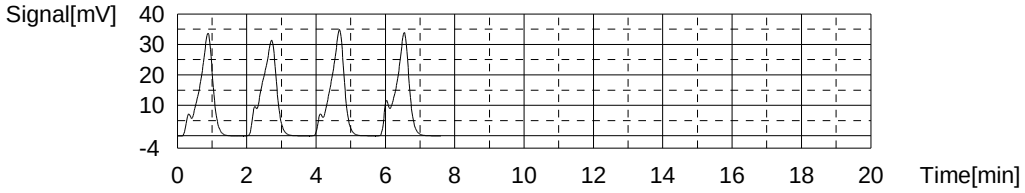
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:1048mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	91.37	1039mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:15:37 AM
2	91.77	1044mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:17:40 AM
3	94.78	1078mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:19:44 AM
4	93.47	1063mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:21:48 AM

Mean Area 92.20
Mean Conc. 1048mg/L



Sample

Sample Name: 680-99155-i-17
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

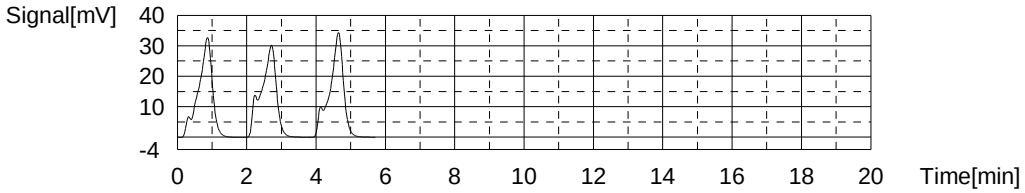
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:1050mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	90.76	1032mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:31:53 AM
2	92.00	1046mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:33:56 AM
3	94.37	1073mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:36:00 AM

Mean Area 92.38
Mean Conc. 1050mg/L



Sample

Sample Name: 680-99155-i-18
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

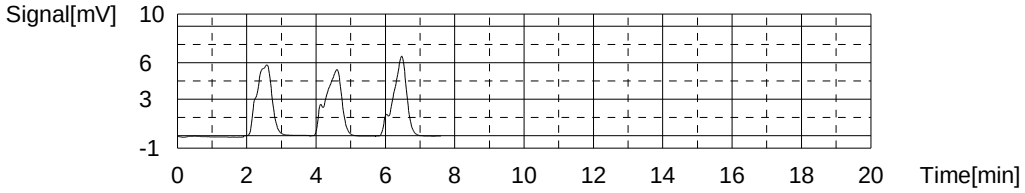
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:195.4mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1620	-2.966mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:46:07 AM
2	17.50	195.1mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:48:10 AM
3	17.67	197.0mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:50:14 AM
4	17.40	194.0mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:52:18 AM

Mean Area 17.52
Mean Conc. 195.4mg/L



Sample

Sample Name: 680-99155-i-19
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

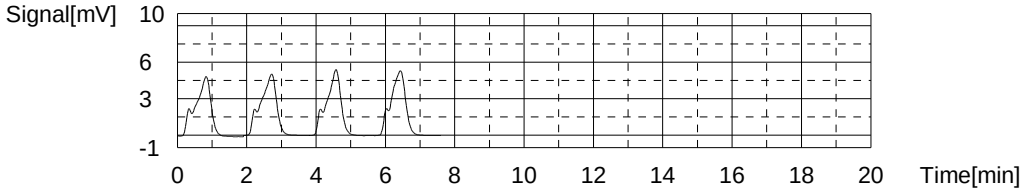
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:173.5mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.07	167.3mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:02:23 AM
2	15.81	175.8mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:04:26 AM
3	15.48	172.0mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:06:30 AM
4	15.53	172.6mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:08:34 AM

Mean Area 15.61
Mean Conc. 173.5mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

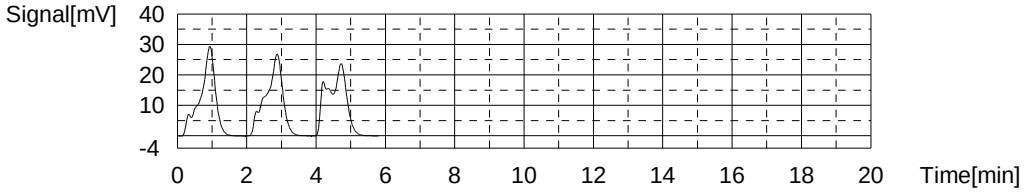
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.62mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.99	50.02mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:18:49 AM
2	89.45	50.85mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:20:53 AM
3	89.68	50.98mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:22:59 AM

Mean Area 89.04
Mean Conc. 50.62mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

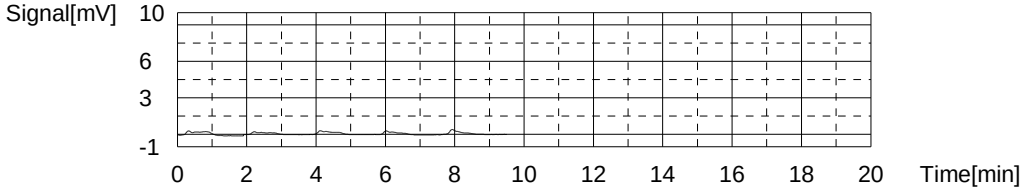
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2050mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.319	0.5125mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:33:05 AM
2	0.7329	0.1778mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:35:08 AM
3	0.9705	0.3135mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:37:12 AM
4	0.8002	0.2162mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:39:16 AM
5	0.8084	0.2209mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:41:19 AM

Mean Area 0.7805
Mean Conc. 0.2050mg/L



Sample

Sample Name: LCS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

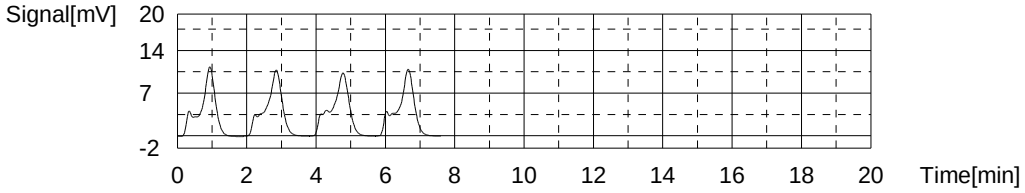
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.94mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.69	19.00mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:51:26 AM
2	34.86	19.67mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:53:30 AM
3	35.84	20.23mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:55:33 AM
4	35.28	19.91mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:57:37 AM

Mean Area 35.33
Mean Conc. 19.94mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

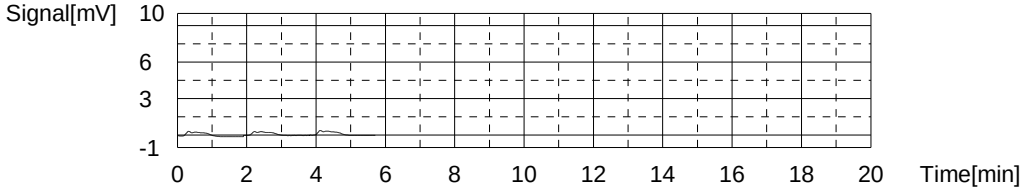
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4788mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.350	0.5302mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:07:42 AM
2	1.161	0.4223mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:09:45 AM
3	1.269	0.4840mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:11:49 AM

Mean Area 1.260
Mean Conc. 0.4788mg/L



Sample

Sample Name: 680-99155-i-20
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

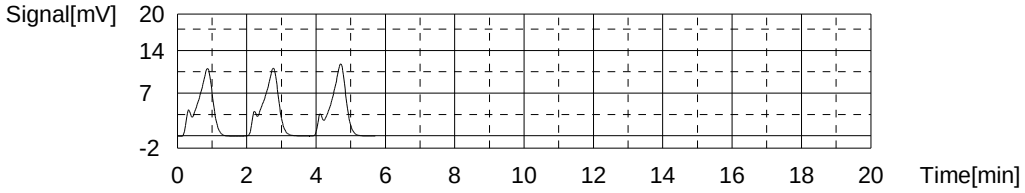
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:99.04mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.79	98.15mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:22:36 AM
2	34.81	98.21mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:24:39 AM
3	35.70	100.8mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:26:43 AM

Mean Area 35.10
Mean Conc. 99.04mg/L



Sample

Sample Name: 680-99155-i-20 MS
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

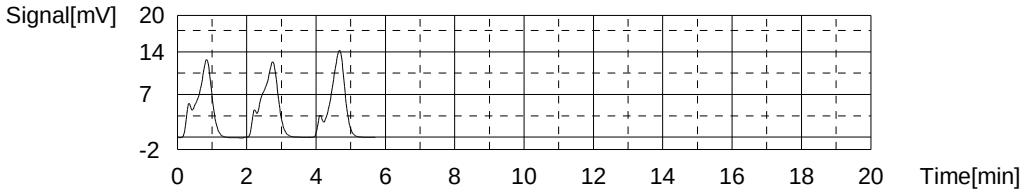
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:113.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	39.67	112.1mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:37:30 AM
2	40.18	113.5mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:39:33 AM
3	40.73	115.1mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:41:37 AM

Mean Area 40.19
Mean Conc. 113.6mg/L



Sample

Sample Name: 680-99155-i-20 MSD
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

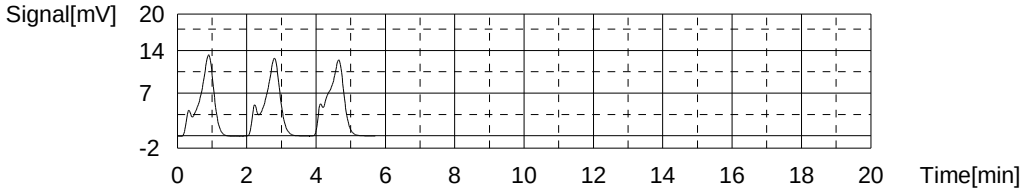
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:113.7mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	39.59	111.9mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:50:33 AM
2	40.18	113.5mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:52:37 AM
3	40.89	115.6mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:54:40 AM

Mean Area 40.22
Mean Conc. 113.7mg/L



Sample

Sample Name: 680-99155-i-21
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

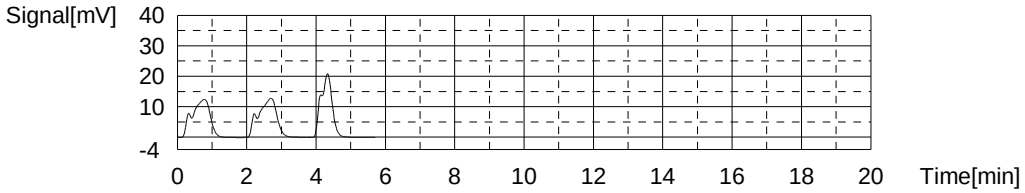
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:26.25mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	45.45	25.72mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:04:46 PM
2	46.78	26.48mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:06:50 PM
3	46.89	26.54mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:08:53 PM

Mean Area 46.37
Mean Conc. 26.25mg/L



Sample

Sample Name: 680-99155-i-22
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

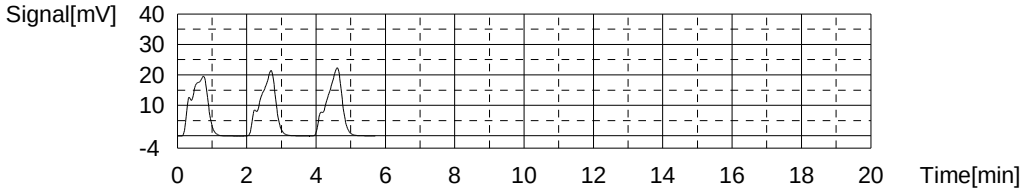
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:752.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	65.93	748.3mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:18:59 PM
2	65.49	743.3mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:21:02 PM
3	67.49	766.2mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:23:06 PM

Mean Area 66.30
Mean Conc. 752.6mg/L



Sample

Sample Name: 680-99155-i-23
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

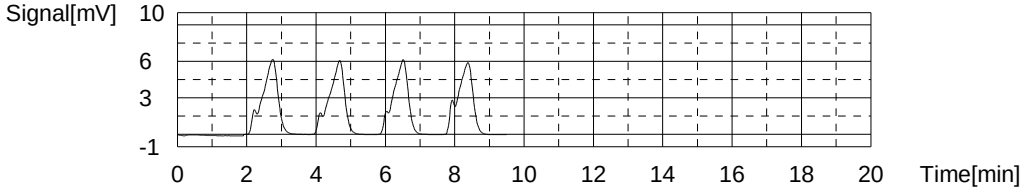
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:205.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-4.817mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:33:12 PM
2	19.17	214.2mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:35:16 PM
3	18.67	208.5mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:37:20 PM
4	18.25	203.7mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:39:23 PM
5	18.23	203.4mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:41:27 PM

Mean Area 18.38
Mean Conc. 205.2mg/L



Sample

Sample Name: 680-99155-i-24
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

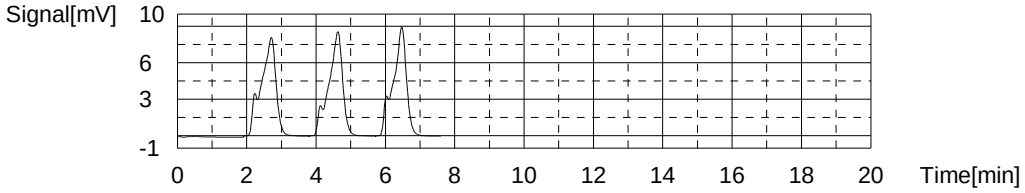
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:268.5mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1291	-3.342mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:51:26 PM
2	24.07	270.1mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:53:29 PM
3	23.78	266.8mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:55:33 PM
4	23.92	268.4mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:57:36 PM

Mean Area 23.92
Mean Conc. 268.5mg/L



Sample

Sample Name: 680-99165-b-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

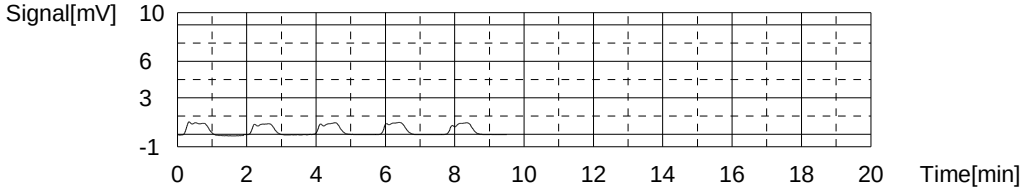
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.756mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.068	2.083mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:07:41 PM
2	3.409	1.706mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:09:44 PM
3	3.550	1.787mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:11:48 PM
4	3.673	1.857mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:13:51 PM
5	3.531	1.776mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:15:55 PM

Mean Area 3.497
Mean Conc. 1.756mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

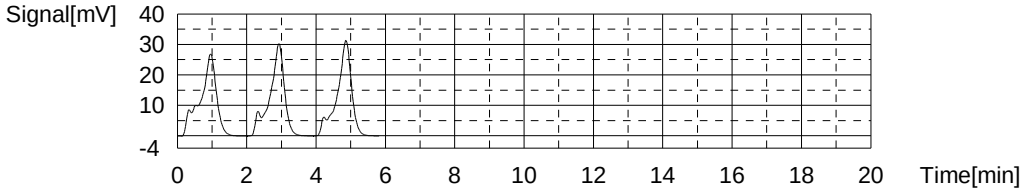
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.30mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.59	49.79mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:26:01 PM
2	88.03	50.04mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:28:05 PM
3	89.83	51.07mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:30:09 PM

Mean Area 88.48
Mean Conc. 50.30mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

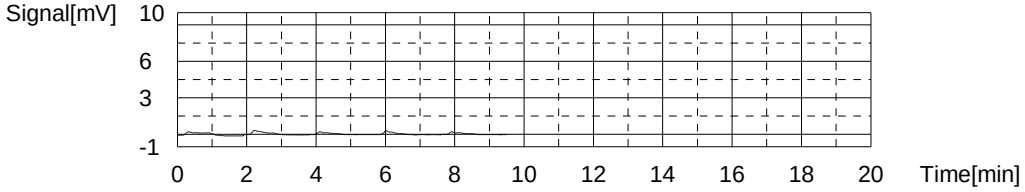
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.07552mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.041	0.3537mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:40:15 PM
2	0.9058	0.2765mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:42:18 PM
3	0.5076	0.04908mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:44:22 PM
4	0.6513	0.1312mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:46:26 PM
5	0.5028	0.04634mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:48:29 PM

Mean Area 0.5539
Mean Conc. 0.07552mg/L



Sample

Sample Name: 680-99165-b-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

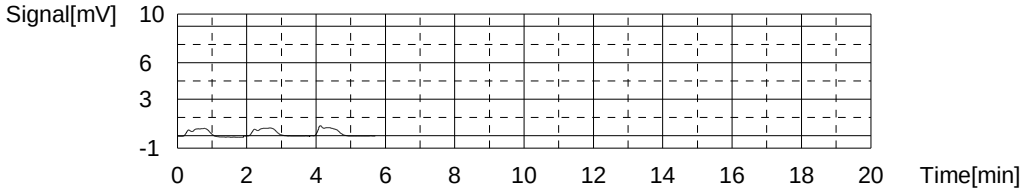
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.223mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.564	1.224mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:58:29 PM
2	2.594	1.241mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:00:32 PM
3	2.529	1.204mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:02:36 PM

Mean Area 2.562
Mean Conc. 1.223mg/L



Sample

Sample Name: 680-99165-b-2 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

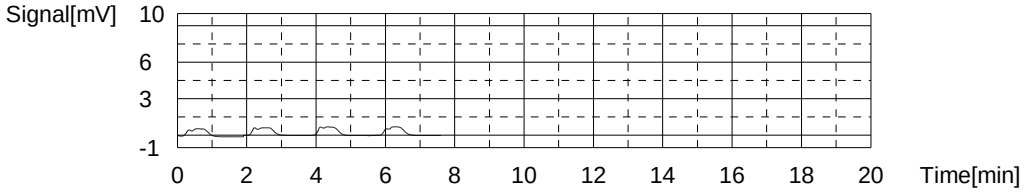
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.132mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.228	1.032mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:09:09 PM
2	2.364	1.109mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:11:12 PM
3	2.466	1.168mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:13:16 PM
4	2.381	1.119mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:15:19 PM

Mean Area 2.404
Mean Conc. 1.132mg/L



Sample

Sample Name: 680-99190-b-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

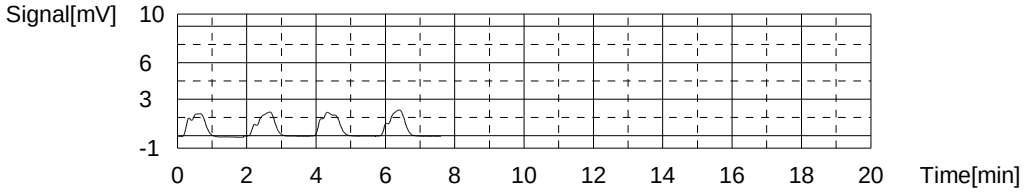
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.519mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.076	3.230mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:25:25 PM
2	6.465	3.452mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:27:28 PM
3	6.704	3.588mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:29:32 PM
4	6.580	3.518mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:31:35 PM

Mean Area 6.583
Mean Conc. 3.519mg/L



Sample

Sample Name: 680-99190-a-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

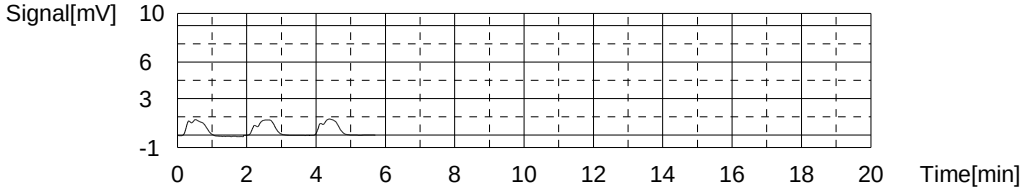
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.328mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.553	2.360mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:41:41 PM
2	4.547	2.356mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:43:44 PM
3	4.392	2.268mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:45:48 PM

Mean Area 4.497
Mean Conc. 2.328mg/L



Sample

Sample Name: 680-99232-a-13
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

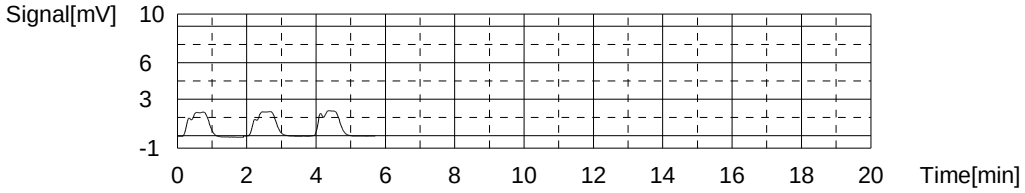
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.180mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.596	4.098mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:55:55 PM
2	7.874	4.257mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:57:58 PM
3	7.751	4.186mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:00:02 PM

Mean Area 7.740
Mean Conc. 4.180mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

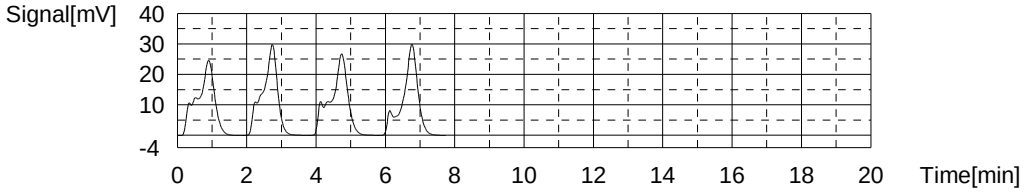
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.60mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.28	48.47mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:10:18 PM
2	88.48	50.30mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:12:21 PM
3	90.28	51.33mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:14:31 PM
4	88.28	50.18mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:16:37 PM

Mean Area 89.01
Mean Conc. 50.60mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

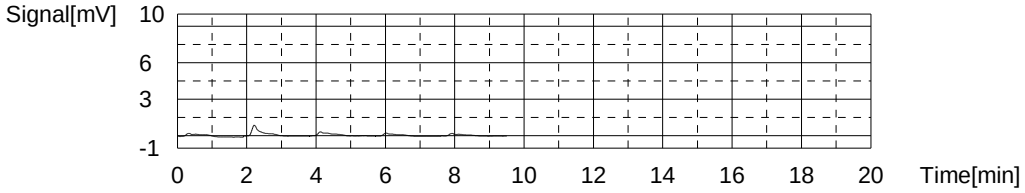
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1970mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8453	0.2420mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:26:41 PM
2	1.645	0.6987mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:28:44 PM
3	0.8395	0.2387mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:30:48 PM
4	0.6151	0.1105mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:32:51 PM
5	0.5481	0.07221mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:34:55 PM

Mean Area	0.7666
Mean Conc.	0.1970mg/L



	Sample Name	Sample ID	Dilution	Result	Date / Time	Vial
1	TC	TC	1.000		3/14/2014 10:35:22 AM	1, 2, 3, 4, 5, 6

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Cal. Curve

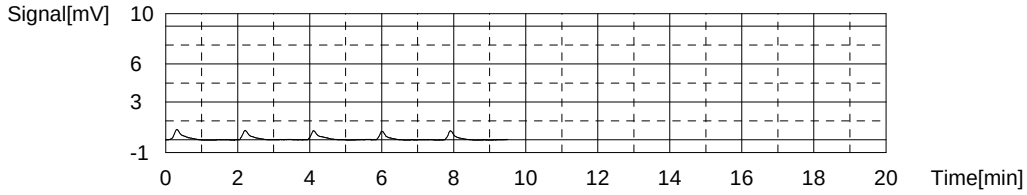
Sample Name:	TC
Sample ID:	TC
Cal. Curve:	TOCCURVE100.2014_03_14_09_13_36.cal
Status	Completed

Type	Anal.
Standard	TC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.402	50uL	1	*******	E	3/14/2014 9:18:34 AM
2	1.138	50uL	1	*******		3/14/2014 9:20:37 AM
3	1.221	50uL	1	*******		3/14/2014 9:22:39 AM
4	0.9536	50uL	1	*******	E	3/14/2014 9:24:42 AM
5	1.060	50uL	1	*******		3/14/2014 9:26:46 AM

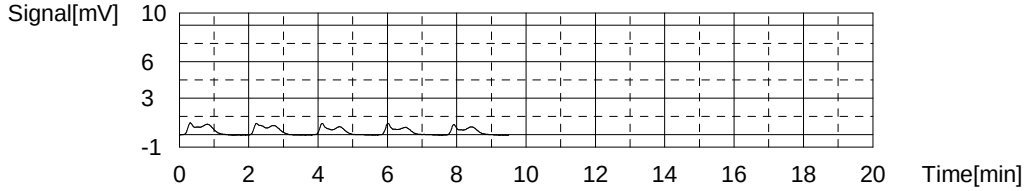
Acid Add. 0.000%
Mean Area 1.140



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	3.714	50uL	1	*******	E	3/14/2014 9:32:32 AM
2	3.607	50uL	1	*******	E	3/14/2014 9:34:35 AM
3	2.804	50uL	1	*******		3/14/2014 9:36:38 AM
4	2.724	50uL	1	*******		3/14/2014 9:38:41 AM
5	2.852	50uL	1	*******		3/14/2014 9:40:44 AM

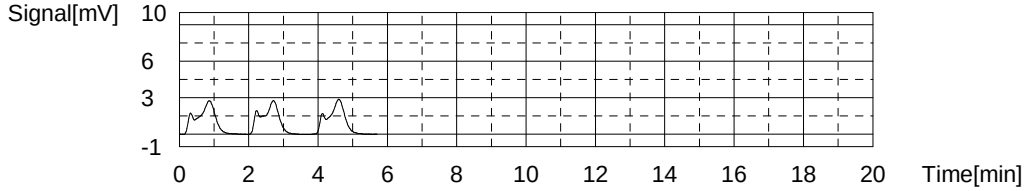
Acid Add. 0.000%
Mean Area 2.793



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	9.770	50uL	1	*******		3/14/2014 9:46:31 AM
2	9.630	50uL	1	*******		3/14/2014 9:48:34 AM
3	9.511	50uL	1	*******		3/14/2014 9:50:37 AM

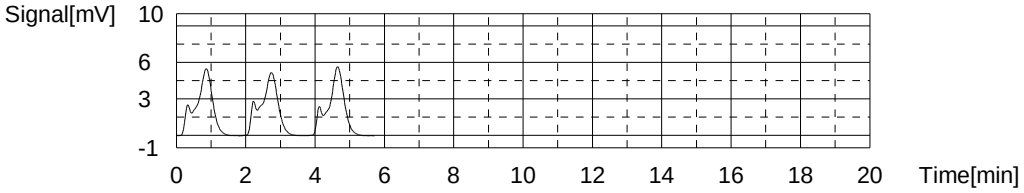
Acid Add. 0.000%
Mean Area 9.637



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	18.22	50uL	1	*******		3/14/2014 9:56:29 AM
2	17.99	50uL	1	*******		3/14/2014 9:58:33 AM
3	17.85	50uL	1	*******		3/14/2014 10:00:36 AM

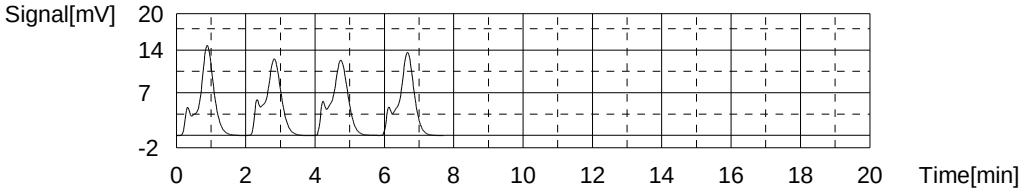
Acid Add. 0.000%
Mean Area 18.02



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	44.11	50uL	1	*******	E	3/14/2014 10:06:34 AM
2	42.49	50uL	1	*******		3/14/2014 10:08:37 AM
3	42.47	50uL	1	*******		3/14/2014 10:10:40 AM
4	42.54	50uL	1	*******		3/14/2014 10:12:44 AM

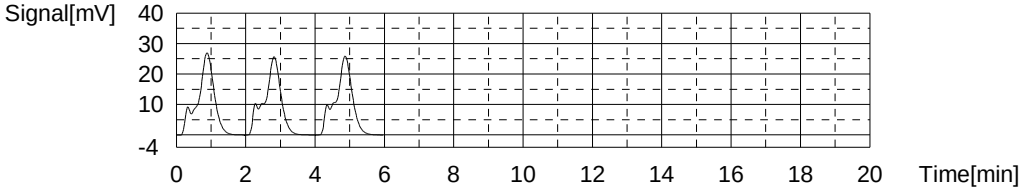
Acid Add. 0.000%
Mean Area 42.50



Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	88.16	50uL	1	*******		3/14/2014 10:18:38 AM
2	85.75	50uL	1	*******		3/14/2014 10:20:52 AM
3	86.46	50uL	1	*******		3/14/2014 10:22:58 AM

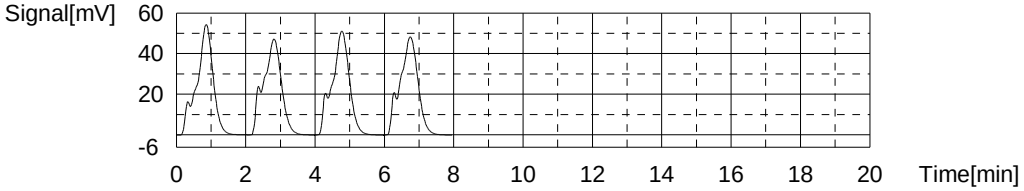
Acid Add. 0.000%
Mean Area 86.79



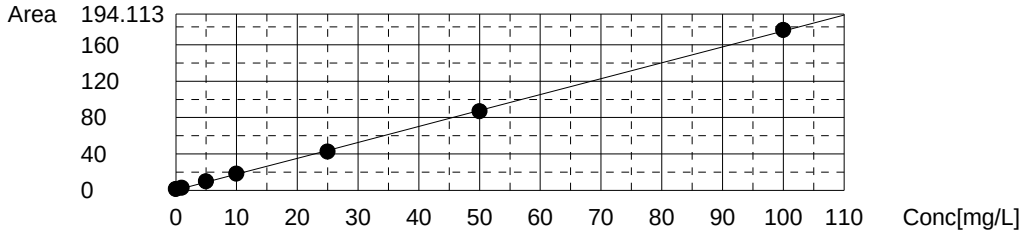
Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	177.6	50uL	1	*******		3/14/2014 10:28:59 AM
2	171.1	50uL	1	*******	E	3/14/2014 10:31:05 AM
3	176.9	50uL	1	*******		3/14/2014 10:33:13 AM
4	174.9	50uL	1	*******		3/14/2014 10:35:22 AM

Acid Add. 0.000%
Mean Area 176.5



Slope:	1.751
Intercept	0.4217
r^2	0.999745
r	0.999872
Zero Shift	No



	Sample Name	Sample ID	Dilution	Result	Date / Time	Vial
1	ICV		1.000	NPOC:19.81mg/L	3/15/2014 3:55:14 PM	1
2	ICB		1.000	NPOC:0.03409mg/L	3/15/2014 4:11:41 PM	2
3	BICARB		1.000	NPOC:0.5677mg/L	3/15/2014 4:29:58 PM	3
4	RLV		1.000	NPOC:1.058mg/L	3/15/2014 4:44:02 PM	4
5	LCS	415	1.000	NPOC:19.70mg/L	3/15/2014 4:58:13 PM	5
6	LCSD		1.000	NPOC:19.45mg/L	3/15/2014 5:10:56 PM	5
7	560-45929-b-1		1.000	NPOC:4.067mg/L	3/15/2014 5:29:13 PM	6
8	560-45929-c-1 MS		1.000	NPOC:23.69mg/L	3/15/2014 5:43:17 PM	7
9	560-45929-c-1 MSD		1.000	NPOC:23.74mg/L	3/15/2014 5:58:04 PM	7
10	560-45929-e-2		1.000	NPOC:4.444mg/L	3/15/2014 6:14:23 PM	8
11	680-99168-j-1		1.000	NPOC:0.4152mg/L	3/15/2014 6:30:37 PM	9
12	680-99168-k-2		1.000	NPOC:0.3187mg/L	3/15/2014 6:44:47 PM	10
13	CCV		1.000	NPOC:49.78mg/L	3/15/2014 6:58:59 PM	11
14	CCB		1.000	!!Failed!! NPOC:-0.01924mg/L	3/15/2014 7:15:14 PM	12
15	680-99168-k-3		1.000	NPOC:0.1976mg/L	3/15/2014 7:33:31 PM	13
16	680-99168-k-3 DU		1.000	NPOC:0.1739mg/L	3/15/2014 7:44:04 PM	13
17	680-99168-k-4		1.000	NPOC:0.3123mg/L	3/15/2014 7:58:14 PM	14
18	680-99168-k-5		1.000	NPOC:0.3617mg/L	3/15/2014 8:16:46 PM	15
19	680-99168-j-6		1.000	NPOC:343.2mg/L	3/15/2014 8:30:49 PM	16
20	680-99168-j-7		1.000	NPOC:340.7mg/L	3/15/2014 8:46:08 PM	17
21	680-99168-l-8		1.000	NPOC:118.9mg/L	3/15/2014 9:02:35 PM	18
22	680-99168-j-10		1.000	NPOC:0.9264mg/L	3/15/2014 9:19:01 PM	19
23	680-99210-b-1		1.000	NPOC:15.03mg/L	3/15/2014 9:37:31 PM	20
24	680-99210-a-2		1.000	NPOC:13.35mg/L	3/15/2014 9:51:49 PM	21
25	CCV		1.000	NPOC:49.52mg/L	3/15/2014 10:06:13 PM	11
26	CCB		1.000	NPOC:0.02535mg/L	3/15/2014 10:20:24 PM	12
27	680-99210-b-3	10	1.000	NPOC:90.03mg/L	3/15/2014 10:35:35 PM	22
28	680-99210-b-4		1.000	NPOC:1.132mg/L	3/15/2014 10:51:50 PM	23
29	LCS		1.000	NPOC:19.51mg/L	3/15/2014 11:06:14 PM	24
30	LCSD		1.000	NPOC:19.08mg/L	3/15/2014 11:17:06 PM	24
31	680-99220-j-2		1.000	NPOC:0.6216mg/L	3/15/2014 11:31:16 PM	25
32	680-99220-i-2 MS		1.000	NPOC:20.57mg/L	3/15/2014 11:45:27 PM	26
33	680-99220-i-2 MSD		1.000	NPOC:20.17mg/L	3/15/2014 11:56:19 PM	26
34	680-99220-i-3		1.000	NPOC:0.2940mg/L	3/16/2014 12:14:38 AM	27
35	680-99220-h-4		1.000	NPOC:0.6717mg/L	3/16/2014 12:30:46 AM	28
36	680-99220-h-5		1.000	NPOC:0.7915mg/L	3/16/2014 12:44:56 AM	29
37	CCV		1.000	NPOC:49.51mg/L	3/16/2014 12:59:19 AM	30
38	CCB		1.000	NPOC:0.07524mg/L	3/16/2014 1:13:31 AM	31
39	680-99220-j-6		1.000	NPOC:0.3605mg/L	3/16/2014 1:29:59 AM	32
40	680-99220-j-6 DU		1.000	NPOC:0.3208mg/L	3/16/2014 1:40:37 AM	32
41	680-99220-i-7		1.000	NPOC:0.4697mg/L	3/16/2014 1:55:02 AM	33
42	680-99220-l-8		1.000	NPOC:176.5mg/L	3/16/2014 2:09:14 AM	34
43	680-99220-ad-9		1.000	NPOC:48.36mg/L	3/16/2014 2:25:29 AM	35
44	LCS		1.000	NPOC:19.83mg/L	3/16/2014 2:39:40 AM	36
45	MB		1.000	NPOC:0.2570mg/L	3/16/2014 2:56:08 AM	37
46	560-45929-g-2		1.000	NPOC:4.168mg/L	3/16/2014 3:10:19 AM	38
47	560-45929-g-2 MS		1.000	NPOC:24.01mg/L	3/16/2014 3:24:46 AM	39
48	560-45929-g-2 MSD		1.000	NPOC:23.98mg/L	3/16/2014 3:37:41 AM	39
49	CCV		1.000	NPOC:50.10mg/L	3/16/2014 3:52:22 AM	30
50	CCB		1.000	NPOC:0.09563mg/L	3/16/2014 4:08:50 AM	31
51	680-99155-i-1		20.00	NPOC:214.6mg/L	3/16/2014 4:25:22 AM	40
52	680-99155-i-1 DU		20.00	NPOC:216.0mg/L	3/16/2014 4:38:19 AM	40
53	680-99155-i-2		20.00	NPOC:245.8mg/L	3/16/2014 4:55:28 AM	41
54	680-99155-i-3	10	1.000	NPOC:84.22mg/L	3/16/2014 5:10:33 AM	42
55	680-99155-i-4		20.00	NPOC:230.9mg/L	3/16/2014 5:27:02 AM	43
56	680-99155-i-5		20.00	NPOC:281.6mg/L	3/16/2014 5:43:29 AM	44
57	680-99155-i-6		20.00	NPOC:258.5mg/L	3/16/2014 6:02:00 AM	45
58	680-99155-i-7	10	1.000	NPOC:99.59mg/L	3/16/2014 6:18:50 AM	46
59	680-99155-i-8	10	1.000	NPOC:103.3mg/L	3/16/2014 6:35:59 AM	47
60	680-99155-i-9	10	1.000	NPOC:37.41mg/L	3/16/2014 6:54:59 AM	48
61	CCV		1.000	NPOC:49.67mg/L	3/16/2014 7:11:11 AM	49
62	CCB		1.000	NPOC:0.1822mg/L	3/16/2014 7:29:43 AM	50
63	680-99155-i-10		20.00	NPOC:231.0mg/L	3/16/2014 7:45:52 AM	51
64	680-99155-i-11		20.00	NPOC:259.2mg/L	3/16/2014 8:02:20 AM	52
65	680-99155-i-12		20.00	NPOC:1305mg/L	3/16/2014 8:16:31 AM	53
66	680-99155-i-13		20.00	NPOC:229.8mg/L	3/16/2014 8:33:01 AM	54
67	680-99155-i-14		20.00	NPOC:110.9mg/L	3/16/2014 8:49:16 AM	55
68	680-99155-i-15		20.00	NPOC:157.4mg/L	3/16/2014 9:05:32 AM	56
69	680-99155-i-16		20.00	NPOC:1048mg/L	3/16/2014 9:21:48 AM	57
70	680-99155-i-17		20.00	NPOC:1050mg/L	3/16/2014 9:36:00 AM	58

	Sample Name	Sample ID	Dilution	Result	Date / Time	Vial
71	680-99155-i-18		20.00	NPOC:195.4mg/L	3/16/2014 9:52:18 AM	59
72	680-99155-i-19		20.00	NPOC:173.5mg/L	3/16/2014 10:08:34 AM	60
73	CCV		1.000	NPOC:50.62mg/L	3/16/2014 10:22:59 AM	49
74	CCB		1.000	NPOC:0.2050mg/L	3/16/2014 10:41:19 AM	50
75	LCS		1.000	NPOC:19.94mg/L	3/16/2014 10:57:37 AM	61
76	MB		1.000	NPOC:0.4788mg/L	3/16/2014 11:11:49 AM	62
77	680-99155-i-20	5	1.000	NPOC:99.04mg/L	3/16/2014 11:26:43 AM	63
78	680-99155-i-20 MS	5	1.000	NPOC:113.6mg/L	3/16/2014 11:41:37 AM	64
79	680-99155-i-20 MSD	5	1.000	NPOC:113.7mg/L	3/16/2014 11:54:40 AM	64
80	680-99155-i-21		1.000	NPOC:26.25mg/L	3/16/2014 12:08:53 PM	65
81	680-99155-i-22		20.00	NPOC:752.6mg/L	3/16/2014 12:23:06 PM	66
82	680-99155-i-23		20.00	NPOC:205.2mg/L	3/16/2014 12:41:27 PM	67
83	680-99155-i-24		20.00	NPOC:268.5mg/L	3/16/2014 12:57:36 PM	68
84	680-99165-b-1		1.000	NPOC:1.756mg/L	3/16/2014 1:15:55 PM	69
85	CCV		1.000	NPOC:50.30mg/L	3/16/2014 1:30:09 PM	70
86	CCB		1.000	NPOC:0.07552mg/L	3/16/2014 1:48:29 PM	71
87	680-99165-b-2		1.000	NPOC:1.223mg/L	3/16/2014 2:02:36 PM	72
88	680-99165-b-2 DU		1.000	NPOC:1.132mg/L	3/16/2014 2:15:19 PM	72
89	680-99190-b-1		1.000	NPOC:3.519mg/L	3/16/2014 2:31:35 PM	73
90	680-99190-a-2		1.000	NPOC:2.328mg/L	3/16/2014 2:45:48 PM	74
91	680-99232-a-13		1.000	NPOC:4.180mg/L	3/16/2014 3:00:02 PM	75
92	CCV		1.000	NPOC:50.60mg/L	3/16/2014 3:16:37 PM	70
93	CCB		1.000	NPOC:0.1970mg/L	3/16/2014 3:34:55 PM	71

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	ICV
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

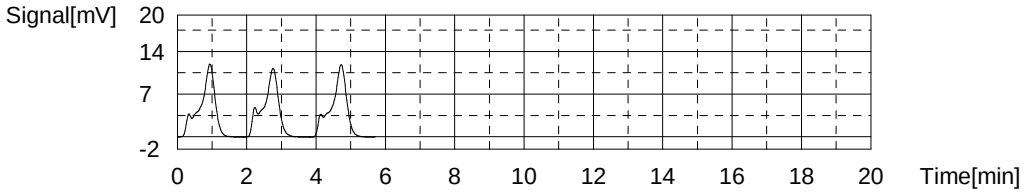
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.81mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.34	19.94mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 3:51:06 PM
2	34.37	19.39mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 3:53:10 PM
3	35.58	20.08mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 3:55:14 PM

Mean Area 35.10
Mean Conc. 19.81mg/L



Sample

Sample Name:	ICB
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

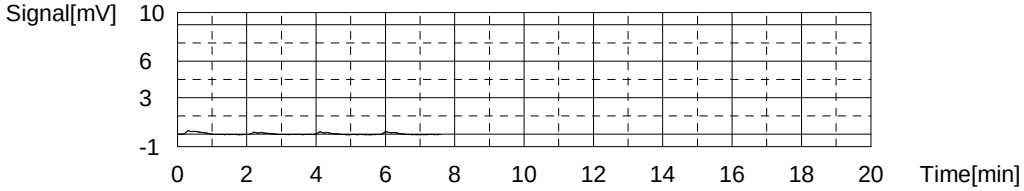
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.03409mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7908	0.2108mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:05:30 PM
2	0.4730	0.02931mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:07:34 PM
3	0.4545	0.01875mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:09:38 PM
4	0.5166	0.05422mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:11:41 PM

Mean Area 0.4814
Mean Conc. 0.03409mg/L



Sample

Sample Name: BICARB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

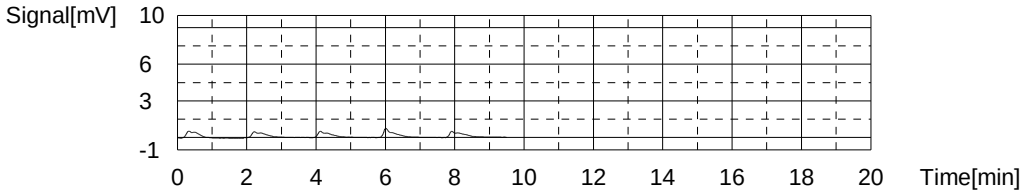
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5677mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.356	0.5337mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:21:44 PM
2	1.145	0.4131mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:23:48 PM
3	1.163	0.4234mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:25:51 PM
4	1.494	0.6125mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:27:55 PM
5	1.397	0.5571mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:29:58 PM

Mean Area 1.416
Mean Conc. 0.5677mg/L



Sample

Sample Name: RLV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

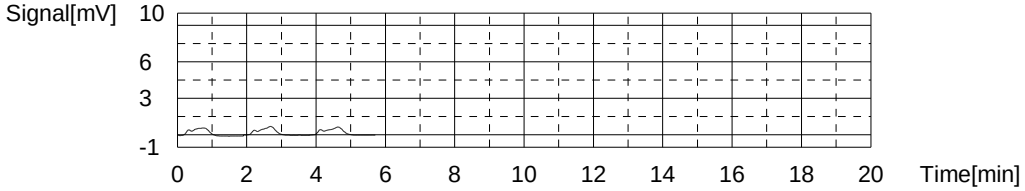
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.058mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.292	1.068mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:39:55 PM
2	2.247	1.043mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:41:59 PM
3	2.283	1.063mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:44:02 PM

Mean Area 2.274
Mean Conc. 1.058mg/L



Sample

Sample Name: LCS
Sample ID: 415
Origin: TOC415.1A.met
Status Completed
Chk. Result

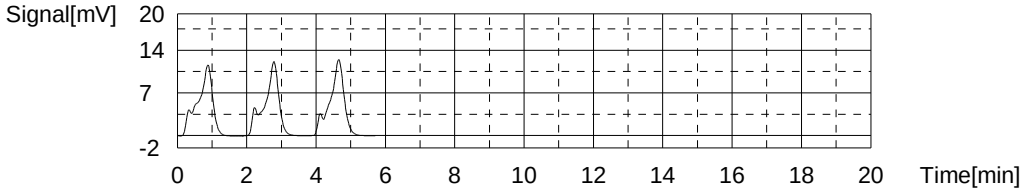
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.70mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.91	19.70mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:54:06 PM
2	34.53	19.48mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:56:10 PM
3	35.28	19.91mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 4:58:13 PM

Mean Area 34.91
Mean Conc. 19.70mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

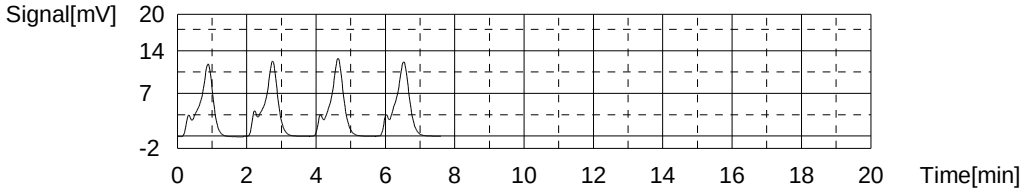
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.45mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.33	18.80mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:04:45 PM
2	34.23	19.31mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:06:49 PM
3	34.68	19.57mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:08:52 PM
4	34.50	19.46mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:10:56 PM

Mean Area 34.47
Mean Conc. 19.45mg/L



Sample

Sample Name: 560-45929-b-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

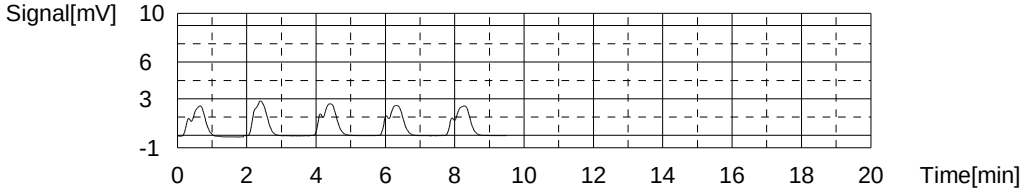
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.067mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.168	3.853mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:20:58 PM
2	7.171	3.855mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:23:02 PM
3	7.655	4.132mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:25:06 PM
4	7.435	4.006mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:27:09 PM
5	7.536	4.064mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:29:13 PM

Mean Area 7.542
Mean Conc. 4.067mg/L



Sample

Sample Name: 560-45929-c-1 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

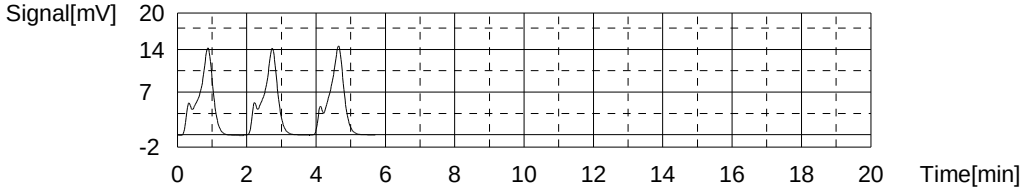
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.69mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.39	23.97mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:39:10 PM
2	41.12	23.25mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:41:14 PM
3	42.16	23.84mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:43:17 PM

Mean Area 41.89
Mean Conc. 23.69mg/L



Sample

Sample Name: 560-45929-c-1 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

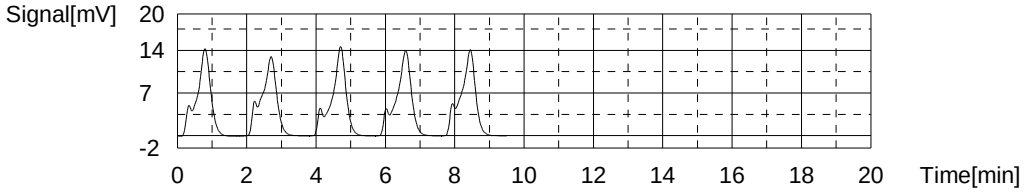
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.74mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	40.52	22.90mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:49:49 PM
2	39.64	22.40mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:51:53 PM
3	41.81	23.64mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:53:57 PM
4	42.08	23.79mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:56:00 PM
5	42.07	23.79mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 5:58:04 PM

Mean Area 41.99
Mean Conc. 23.74mg/L



Sample

Sample Name: 560-45929-e-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

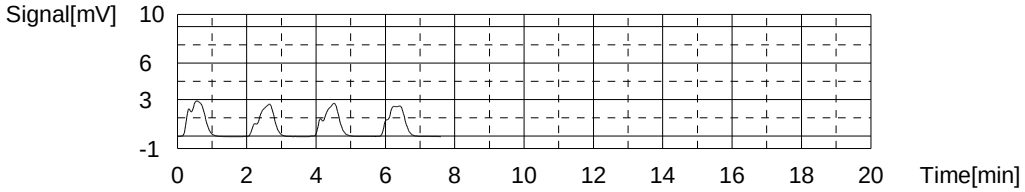
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.444mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.002	4.901mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:08:13 PM
2	8.078	4.373mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:10:16 PM
3	8.216	4.452mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:12:20 PM
4	8.310	4.506mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:14:23 PM

Mean Area 8.201
Mean Conc. 4.444mg/L



Sample

Sample Name: 680-99168-j-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

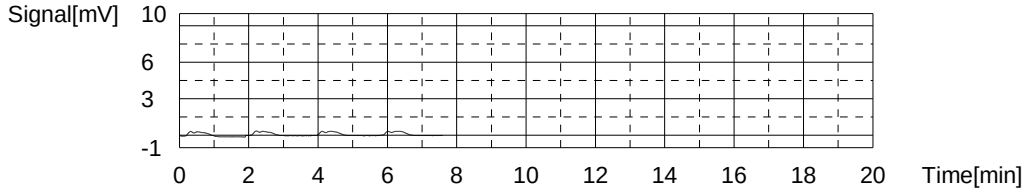
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4152mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.340	0.5245mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:24:26 PM
2	1.115	0.3960mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:26:30 PM
3	1.149	0.4154mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:28:33 PM
4	1.182	0.4343mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:30:37 PM

Mean Area 1.149
Mean Conc. 0.4152mg/L



Sample

Sample Name: 680-99168-k-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

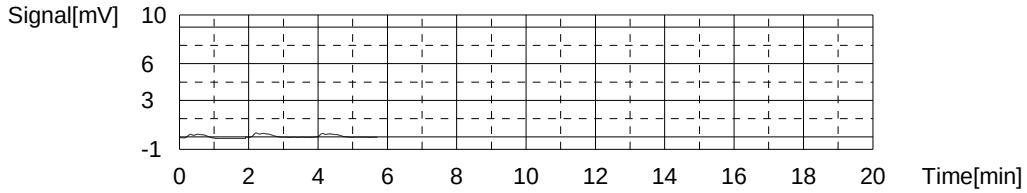
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3187mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9741	0.3155mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:40:39 PM
2	1.025	0.3446mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:42:43 PM
3	0.9400	0.2961mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:44:47 PM

Mean Area 0.9797
Mean Conc. 0.3187mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

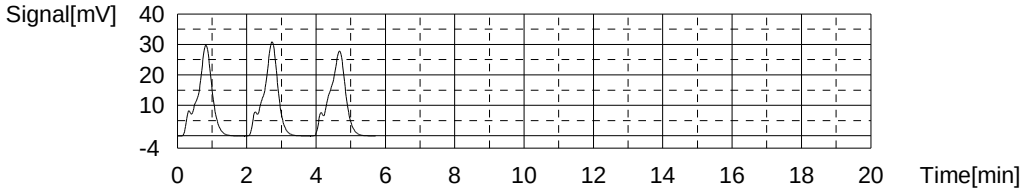
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.78mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.52	49.18mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:54:52 PM
2	87.48	49.73mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:56:56 PM
3	88.70	50.42mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 6:58:59 PM

Mean Area 87.57
Mean Conc. 49.78mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

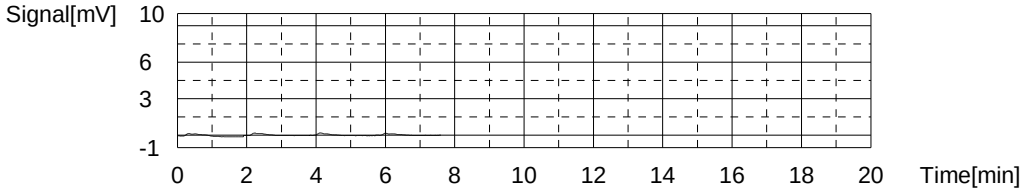
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.01924mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6115	0.1084mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:09:03 PM
2	0.4588	0.02120mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:11:07 PM
3	0.3426	-0.04517mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:13:10 PM
4	0.3626	-0.03374mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:15:14 PM

Mean Area 0.3880
Mean Conc. -0.01924mg/L



Sample

Sample Name: 680-99168-k-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

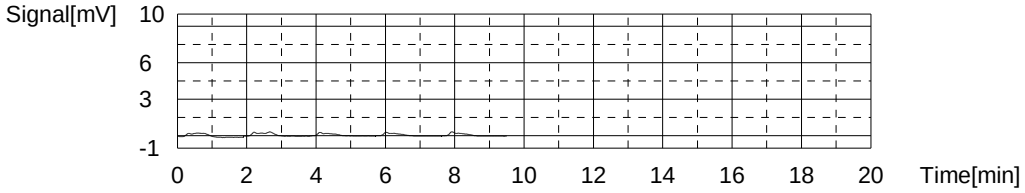
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1976mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.210	0.4503mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:25:16 PM
2	1.105	0.3903mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:27:20 PM
3	0.7257	0.1737mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:29:23 PM
4	0.7587	0.1925mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:31:27 PM
5	0.8183	0.2265mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:33:31 PM

Mean Area 0.7676
Mean Conc. 0.1976mg/L



Sample

Sample Name: 680-99168-k-3 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

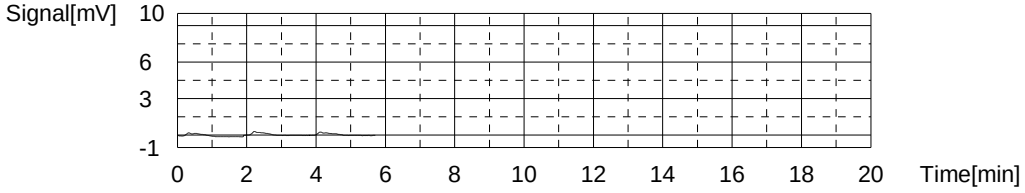
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1739mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7432	0.1836mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:39:57 PM
2	0.7338	0.1783mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:42:00 PM
3	0.7016	0.1599mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:44:04 PM

Mean Area 0.7262
Mean Conc. 0.1739mg/L



Sample

Sample Name: 680-99168-k-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

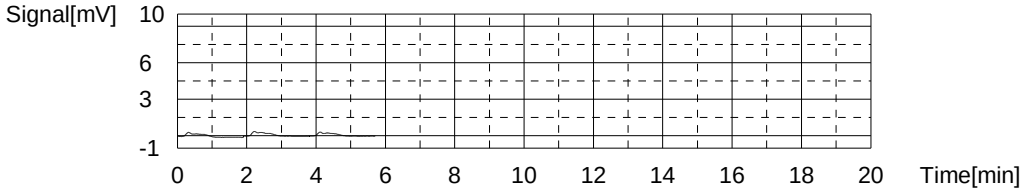
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3123mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9747	0.3159mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:54:07 PM
2	1.027	0.3457mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:56:11 PM
3	0.9036	0.2753mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 7:58:14 PM

Mean Area 0.9684
Mean Conc. 0.3123mg/L



Sample

Sample Name: 680-99168-k-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

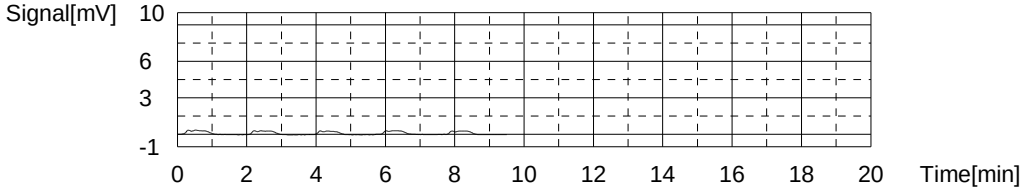
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3617mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.277	0.4885mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:08:31 PM
2	1.300	0.5017mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:10:35 PM
3	1.015	0.3389mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:12:39 PM
4	1.055	0.3617mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:14:42 PM
5	1.095	0.3846mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:16:46 PM

Mean Area 1.055
Mean Conc. 0.3617mg/L



Sample

Sample Name: 680-99168-j-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

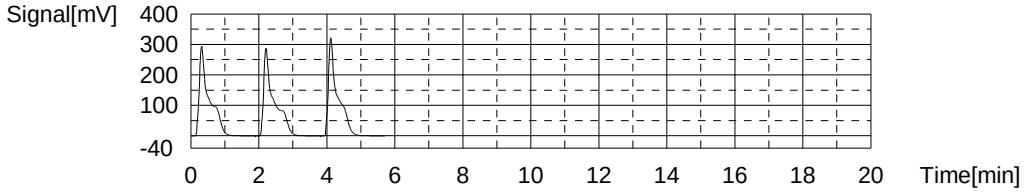
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:343.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	596.1	340.2mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:26:42 PM
2	605.3	345.5mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:28:46 PM
3	602.5	343.9mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:30:49 PM

Mean Area 601.3
Mean Conc. 343.2mg/L



Sample

Sample Name: 680-99168-j-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

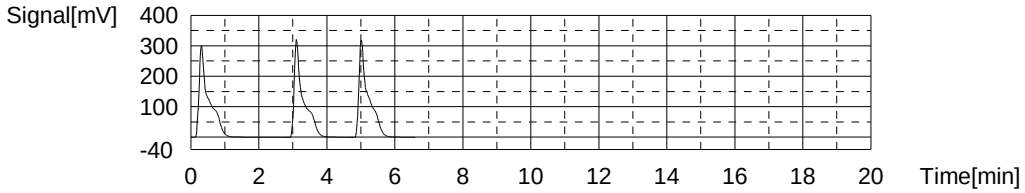
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:340.7mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	592.6	338.2mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:42:01 PM
2	590.9	337.3mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:44:04 PM
3	607.0	346.5mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:46:08 PM

Mean Area 596.8
Mean Conc. 340.7mg/L



Sample

Sample Name: 680-99168-l-8
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

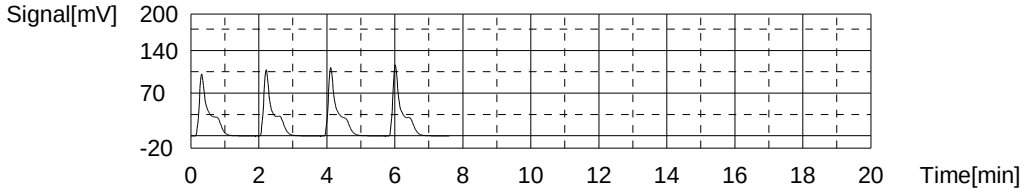
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:118.9mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	203.9	116.2mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:56:25 PM
2	202.5	115.4mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 8:58:28 PM
3	211.3	120.4mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:00:32 PM
4	210.7	120.1mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:02:35 PM

Mean Area 208.6
Mean Conc. 118.9mg/L



Sample

Sample Name: 680-99168-j-10
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

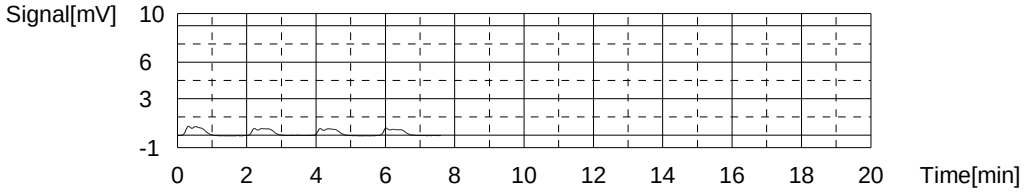
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9264mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.513	1.195mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:12:51 PM
2	2.121	0.9706mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:14:54 PM
3	2.000	0.9015mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:16:58 PM
4	2.010	0.9072mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:19:01 PM

Mean Area 2.044
Mean Conc. 0.9264mg/L



Sample

Sample Name: 680-99210-b-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

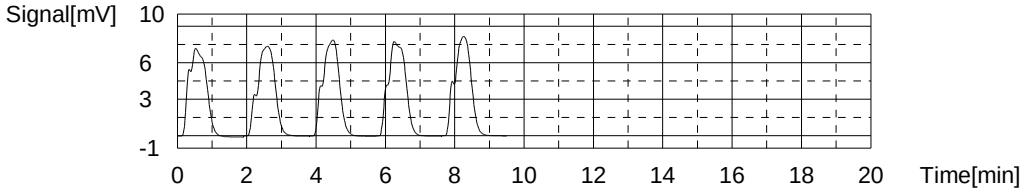
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:15.03mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	25.01	14.04mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:29:17 PM
2	25.77	14.48mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:31:20 PM
3	26.24	14.75mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:33:24 PM
4	26.97	15.16mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:35:27 PM
5	26.99	15.18mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:37:31 PM

Mean Area 26.73
Mean Conc. 15.03mg/L



Sample

Sample Name: 680-99210-a-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

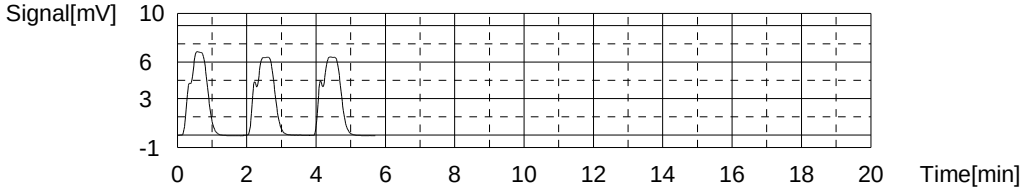
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:13.35mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	23.40	13.12mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:47:41 PM
2	23.73	13.31mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:49:45 PM
3	24.24	13.60mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 9:51:49 PM

Mean Area 23.79
Mean Conc. 13.35mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

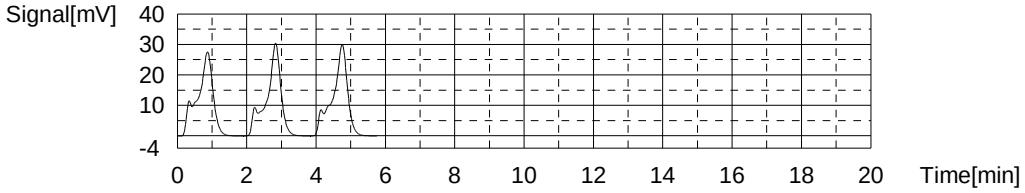
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.52mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.78	48.76mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:02:04 PM
2	86.67	49.26mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:04:08 PM
3	88.91	50.54mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:06:13 PM

Mean Area 87.12
Mean Conc. 49.52mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

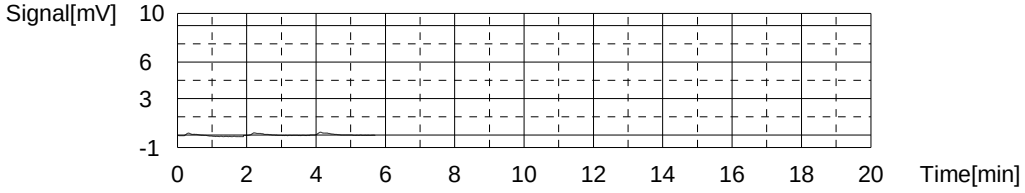
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.02535mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4783	0.03234mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:16:17 PM
2	0.4280	0.00361mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:18:21 PM
3	0.4919	0.04011mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:20:24 PM

Mean Area 0.4661
Mean Conc. 0.02535mg/L



Sample

Sample Name: 680-99210-b-3
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

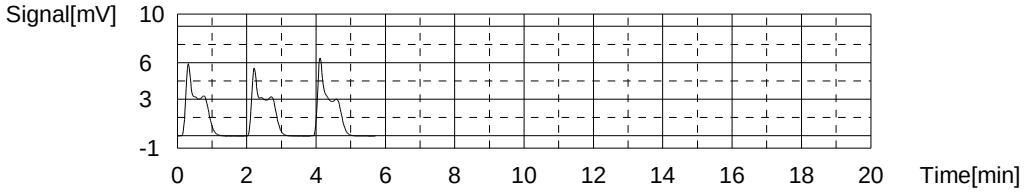
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:90.03mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.97	88.81mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:31:28 PM
2	16.19	90.07mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:33:31 PM
3	16.39	91.21mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:35:35 PM

Mean Area 16.18
Mean Conc. 90.03mg/L



Sample

Sample Name: 680-99210-b-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

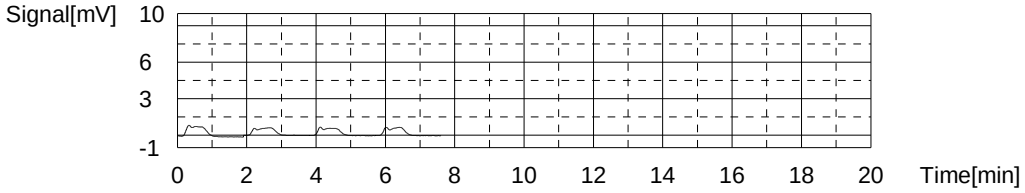
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.132mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.005	1.476mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:45:40 PM
2	2.455	1.161mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:47:43 PM
3	2.328	1.089mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:49:47 PM
4	2.429	1.147mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 10:51:50 PM

Mean Area 2.404
Mean Conc. 1.132mg/L



Sample

Sample Name: LCS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

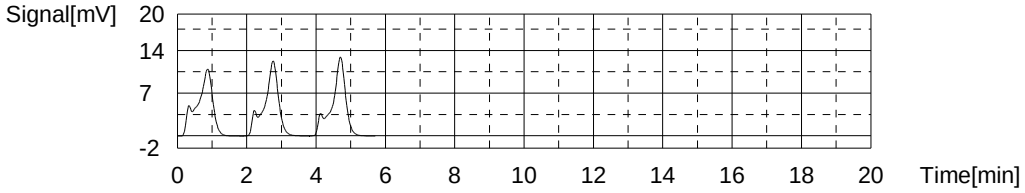
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.51mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.44	19.43mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:02:07 PM
2	34.41	19.41mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:04:10 PM
3	34.89	19.69mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:06:14 PM

Mean Area 34.58
Mean Conc. 19.51mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

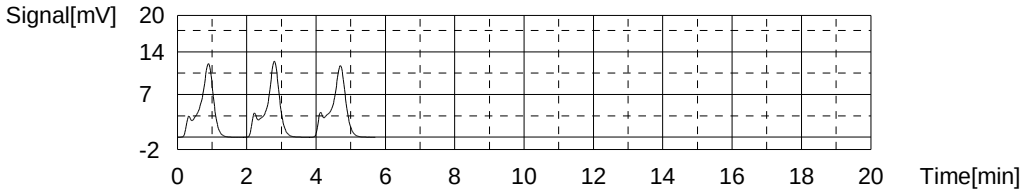
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.08mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.34	18.80mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:12:59 PM
2	33.74	19.03mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:15:02 PM
3	34.38	19.40mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:17:06 PM

Mean Area 33.82
Mean Conc. 19.08mg/L



Sample

Sample Name: 680-99220-j-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

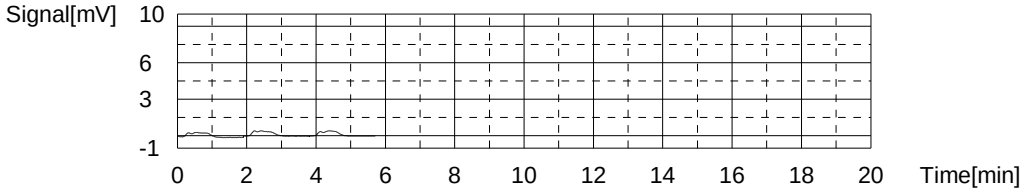
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6216mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.512	0.6228mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:27:09 PM
2	1.605	0.6759mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:29:13 PM
3	1.413	0.5662mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:31:16 PM

Mean Area 1.510
Mean Conc. 0.6216mg/L



Sample

Sample Name: 680-99220-i-2 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

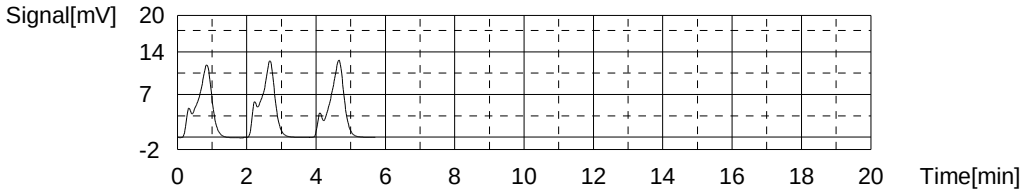
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.57mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.50	20.61mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:41:20 PM
2	36.17	20.42mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:43:24 PM
3	36.64	20.69mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:45:27 PM

Mean Area 36.44
Mean Conc. 20.57mg/L



Sample

Sample Name: 680-99220-i-2 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

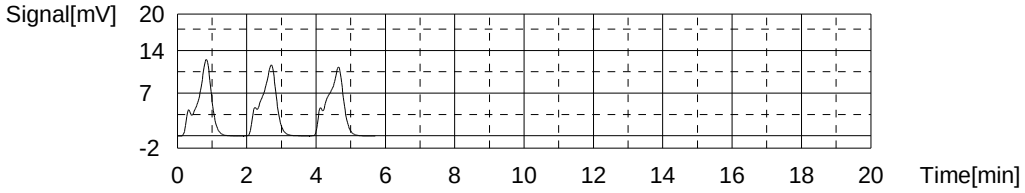
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.17mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.33	19.94mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:52:12 PM
2	35.52	20.05mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:54:15 PM
3	36.35	20.52mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/15/2014 11:56:19 PM

Mean Area 35.73
Mean Conc. 20.17mg/L



Sample

Sample Name: 680-99220-i-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

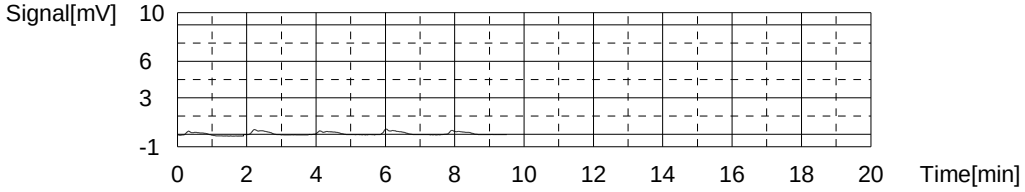
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2940mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9360	0.2938mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:06:23 AM
2	1.101	0.3880mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:08:27 AM
3	0.9110	0.2795mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:10:31 AM
4	1.256	0.4765mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:12:34 AM
5	0.9624	0.3089mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:14:38 AM

Mean Area 0.9365
Mean Conc. 0.2940mg/L



Sample

Sample Name: 680-99220-h-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

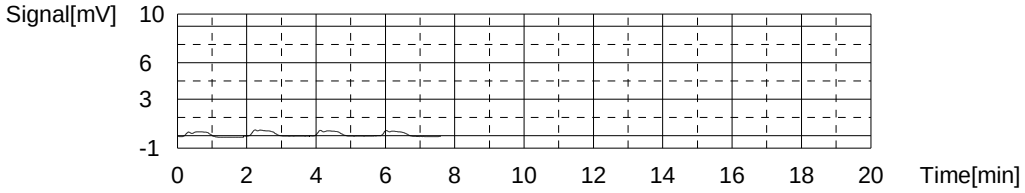
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6717mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.652	0.7027mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:24:36 AM
2	1.807	0.7913mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:26:39 AM
3	1.620	0.6845mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:28:43 AM
4	1.521	0.6279mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:30:46 AM

Mean Area 1.598
Mean Conc. 0.6717mg/L



Sample

Sample Name: 680-99220-h-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

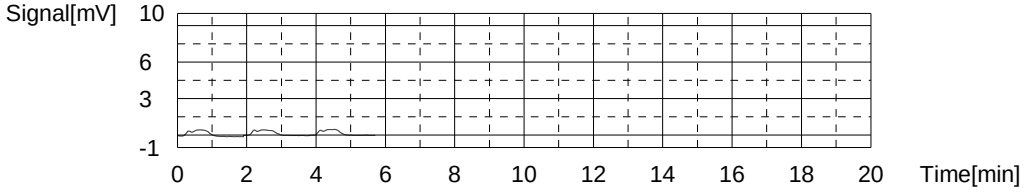
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7915mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.916	0.8535mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:40:49 AM
2	1.786	0.7793mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:42:52 AM
3	1.720	0.7416mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:44:56 AM

Mean Area 1.807
Mean Conc. 0.7915mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

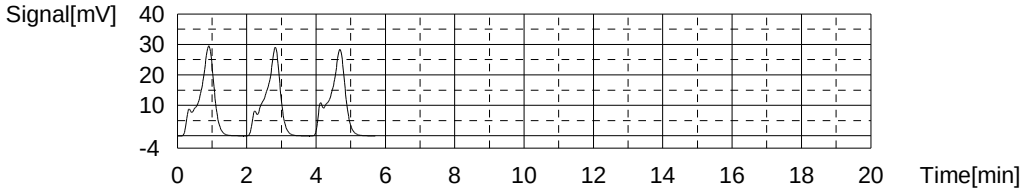
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.51mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.86	49.37mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:55:12 AM
2	86.52	49.18mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:57:16 AM
3	87.94	49.99mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:59:19 AM

Mean Area 87.11
Mean Conc. 49.51mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

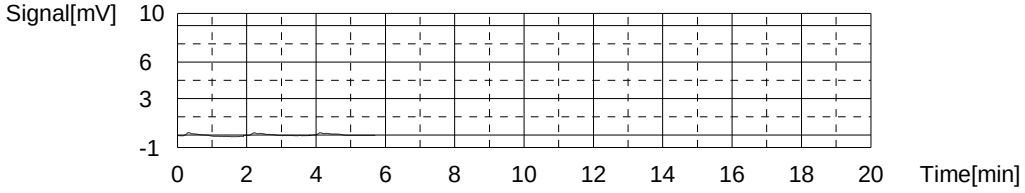
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.07524mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6147	0.1103mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:09:24 AM
2	0.5147	0.05313mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:11:27 AM
3	0.5308	0.06233mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:13:31 AM

Mean Area 0.5534
Mean Conc. 0.07524mg/L



Sample

Sample Name: 680-99220-j-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

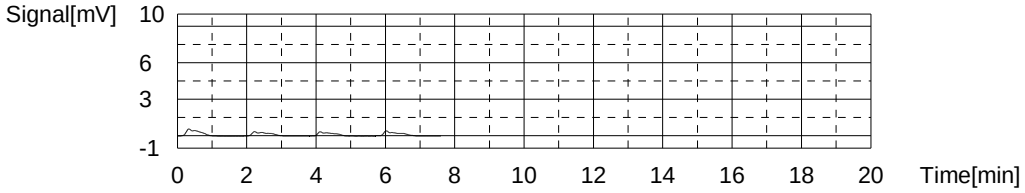
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3605mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.479	0.6039mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:23:48 AM
2	1.059	0.3640mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:25:52 AM
3	0.9674	0.3117mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:27:55 AM
4	1.132	0.4057mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:29:59 AM

Mean Area 1.053
Mean Conc. 0.3605mg/L



Sample

Sample Name: 680-99220-j-6 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

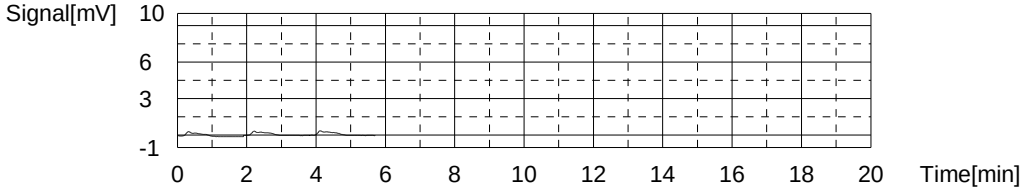
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3208mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9385	0.2952mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:36:30 AM
2	0.9514	0.3026mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:38:33 AM
3	1.060	0.3646mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:40:37 AM

Mean Area 0.9833
Mean Conc. 0.3208mg/L



Sample

Sample Name: 680-99220-i-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

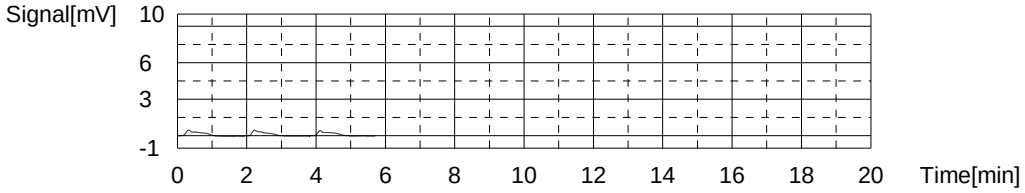
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4697mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.321	0.5137mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:50:55 AM
2	1.253	0.4748mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:52:58 AM
3	1.158	0.4206mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:55:02 AM

Mean Area 1.244
Mean Conc. 0.4697mg/L



Sample

Sample Name: 680-99220-l-8
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

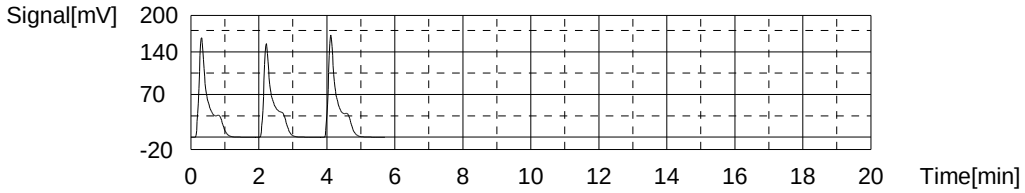
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:176.5mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	309.6	176.6mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:05:07 AM
2	303.4	173.1mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:07:10 AM
3	315.3	179.9mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:09:14 AM

Mean Area 309.4
Mean Conc. 176.5mg/L



Sample

Sample Name: 680-99220-ad-9
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

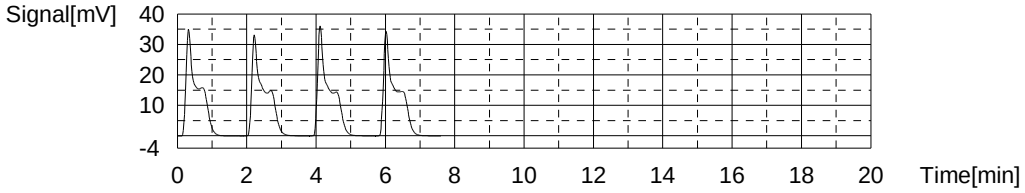
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.36mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	82.23	46.73mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:19:19 AM
2	83.71	47.57mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:21:22 AM
3	85.66	48.69mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:23:26 AM
4	85.90	48.82mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:25:29 AM

Mean Area 85.09
Mean Conc. 48.36mg/L



Sample

Sample Name: LCS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

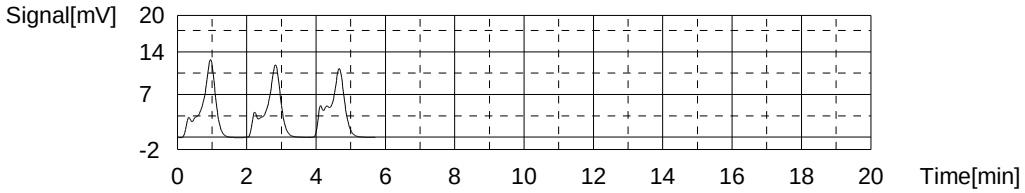
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.83mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.67	20.13mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:35:33 AM
2	34.53	19.48mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:37:36 AM
3	35.22	19.88mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:39:40 AM

Mean Area 35.14
Mean Conc. 19.83mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

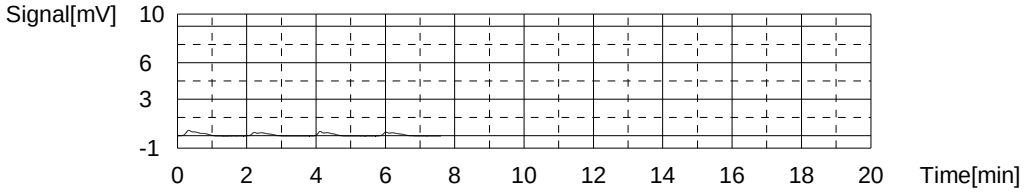
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2570mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.197	0.4428mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:49:58 AM
2	0.8782	0.2608mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:52:01 AM
3	0.8856	0.2650mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:54:05 AM
4	0.8511	0.2453mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:56:08 AM

Mean Area 0.8716
Mean Conc. 0.2570mg/L



Sample

Sample Name: 560-45929-g-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

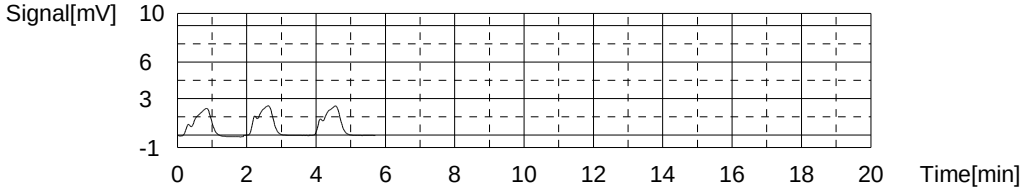
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.168mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.693	4.153mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:06:12 AM
2	7.608	4.105mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:08:15 AM
3	7.856	4.246mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:10:19 AM

Mean Area 7.719
Mean Conc. 4.168mg/L



Sample

Sample Name: 560-45929-g-2 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

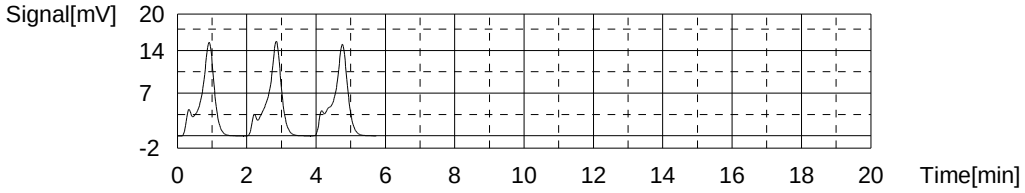
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.01mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.79	23.63mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:20:37 AM
2	42.56	24.07mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:22:42 AM
3	43.03	24.34mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:24:46 AM

Mean Area 42.46
Mean Conc. 24.01mg/L



Sample

Sample Name: 560-45929-g-2 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

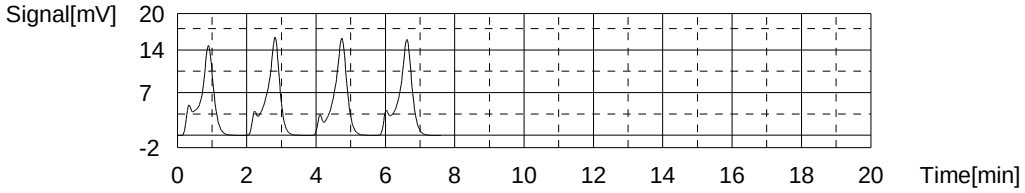
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.98mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	40.65	22.98mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:31:31 AM
2	42.41	23.98mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:33:34 AM
3	42.30	23.92mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:35:38 AM
4	42.49	24.03mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:37:41 AM

Mean Area 42.40
Mean Conc. 23.98mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

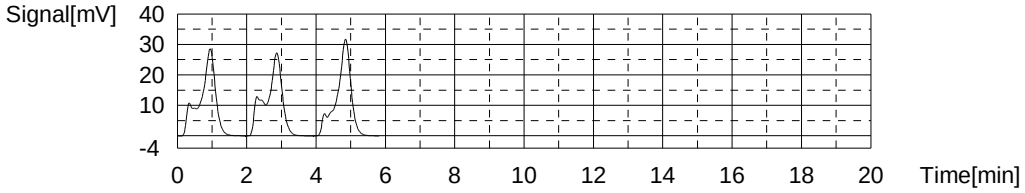
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.10mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.54	49.76mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:48:11 AM
2	88.35	50.22mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:50:19 AM
3	88.53	50.33mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:52:22 AM

Mean Area 88.14
Mean Conc. 50.10mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

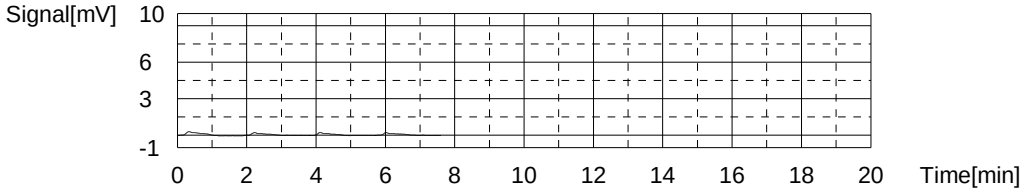
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.09563mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8307	0.2336mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:02:39 AM
2	0.5721	0.08592mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:04:43 AM
3	0.6104	0.1078mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:06:46 AM
4	0.5848	0.09317mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:08:50 AM

Mean Area 0.5891
Mean Conc. 0.09563mg/L



Sample

Sample Name: 680-99155-i-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

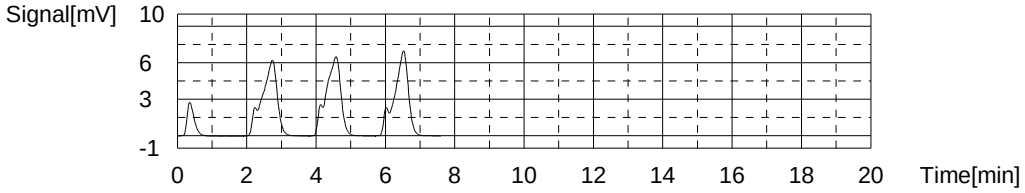
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:214.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.887	39.59mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:19:11 AM
2	18.86	210.6mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:21:15 AM
3	19.33	216.0mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:23:19 AM
4	19.44	217.3mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:25:22 AM

Mean Area 19.21
Mean Conc. 214.6mg/L



Sample

Sample Name: 680-99155-i-1 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

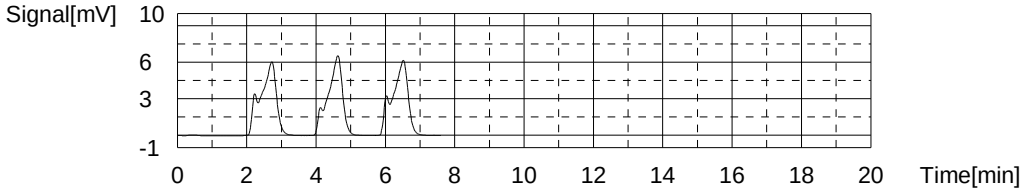
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:216.0mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-4.817mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:32:08 AM
2	19.41	216.9mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:34:11 AM
3	19.11	213.5mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:36:15 AM
4	19.48	217.7mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:38:19 AM

Mean Area 19.33
Mean Conc. 216.0mg/L



Sample

Sample Name: 680-99155-i-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

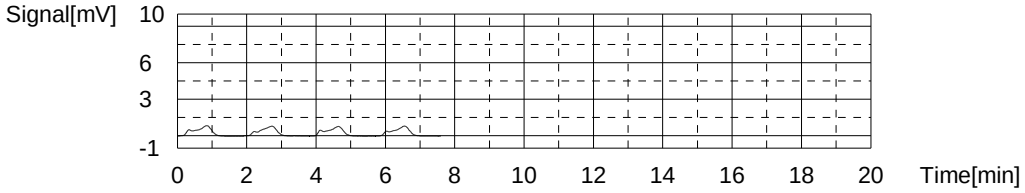
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:245.8mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.856	278.1mg/L	50uL	10	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:49:17 AM
2	2.523	240.0mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:51:21 AM
3	2.621	251.2mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:53:24 AM
4	2.575	246.0mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 4:55:28 AM

Mean Area 2.573
Mean Conc. 245.8mg/L



Sample

Sample Name: 680-99155-i-3
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

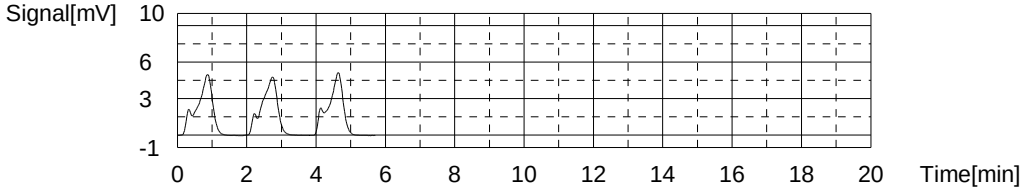
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:84.22mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.33	85.15mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:06:26 AM
2	14.93	82.87mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:08:30 AM
3	15.24	84.64mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:10:33 AM

Mean Area 15.17
Mean Conc. 84.22mg/L



Sample

Sample Name: 680-99155-i-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

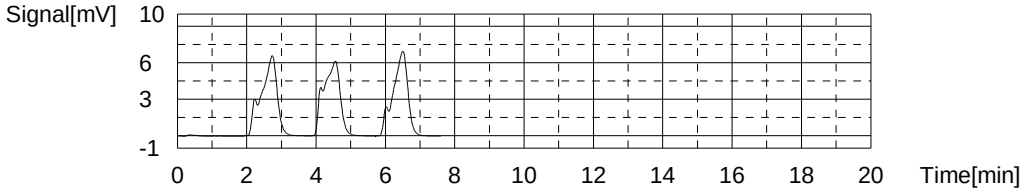
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:230.9mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.2058	-2.466mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:20:51 AM
2	20.88	233.7mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:22:55 AM
3	20.48	229.1mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:24:58 AM
4	20.54	229.8mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:27:02 AM

Mean Area 20.63
Mean Conc. 230.9mg/L



Sample

Sample Name: 680-99155-i-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

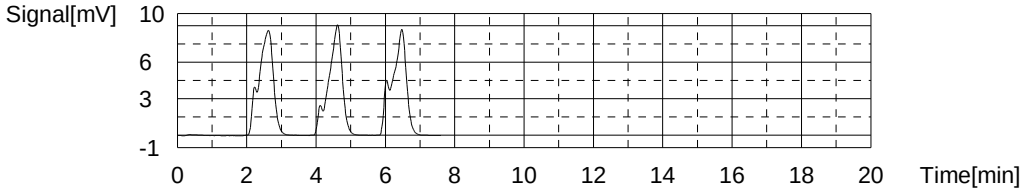
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:281.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1532	-3.067mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:37:19 AM
2	25.26	283.7mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:39:22 AM
3	24.80	278.5mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:41:26 AM
4	25.16	282.6mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:43:29 AM

Mean Area 25.07
Mean Conc. 281.6mg/L



Sample

Sample Name: 680-99155-i-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

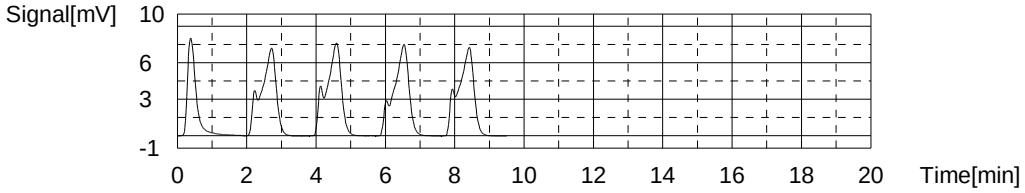
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:258.5mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.60	150.5mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:53:45 AM
2	22.17	248.4mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:55:49 AM
3	23.23	260.6mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:57:53 AM
4	22.85	256.2mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 5:59:57 AM
5	23.06	258.6mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:02:00 AM

Mean Area 23.05
Mean Conc. 258.5mg/L



Sample

Sample Name: 680-99155-i-7
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

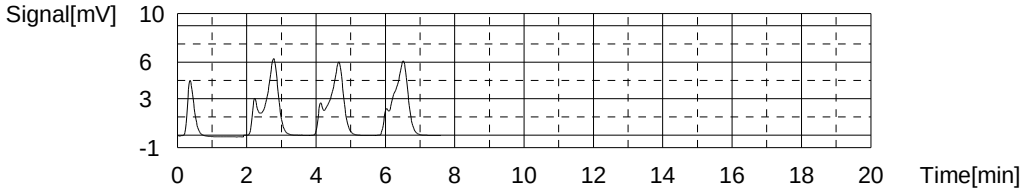
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:99.59mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.046	32.13mg/L	50uL	10	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:12:40 AM
2	17.87	99.66mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:14:43 AM
3	17.81	99.32mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:16:47 AM
4	17.89	99.78mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:18:50 AM

Mean Area 17.86
Mean Conc. 99.59mg/L



Sample

Sample Name: 680-99155-i-8
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

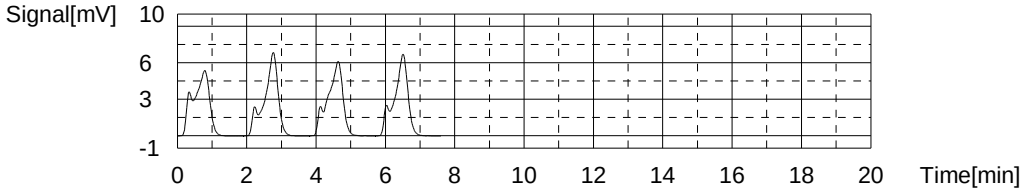
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:103.3mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.59	98.06mg/L	50uL	10	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:29:48 AM
2	18.82	105.1mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:31:52 AM
3	18.40	102.7mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:33:56 AM
4	18.29	102.1mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:35:59 AM

Mean Area 18.50
Mean Conc. 103.3mg/L



Sample

Sample Name: 680-99155-i-9
Sample ID: 10
Origin: TOC415.1A.met
Status Completed
Chk. Result

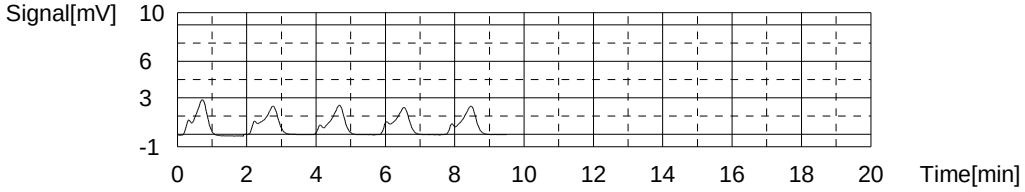
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:37.41mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.730	41.74mg/L	50uL	10	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:46:45 AM
2	7.314	39.37mg/L	50uL	10	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:48:48 AM
3	6.984	37.48mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:50:52 AM
4	6.947	37.27mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:52:56 AM
5	6.982	37.47mg/L	50uL	10		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 6:54:59 AM

Mean Area 6.971
Mean Conc. 37.41mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

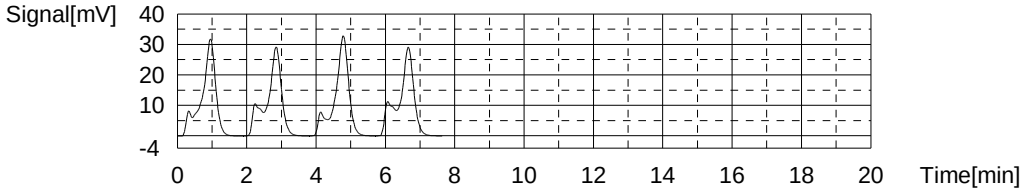
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.67mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	88.30	50.19mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:04:58 AM
2	86.06	48.91mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:07:01 AM
3	90.27	51.32mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:09:06 AM
4	87.81	49.91mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:11:11 AM

Mean Area 87.39
Mean Conc. 49.67mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

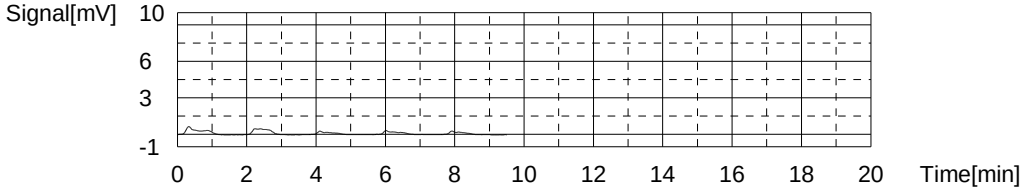
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1822mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.853	0.8175mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:21:28 AM
2	1.597	0.6713mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:23:31 AM
3	0.6928	0.1549mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:25:35 AM
4	0.8557	0.2479mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:27:39 AM
5	0.6733	0.1437mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:29:43 AM

Mean Area 0.7406
Mean Conc. 0.1822mg/L



Sample

Sample Name: 680-99155-i-10
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

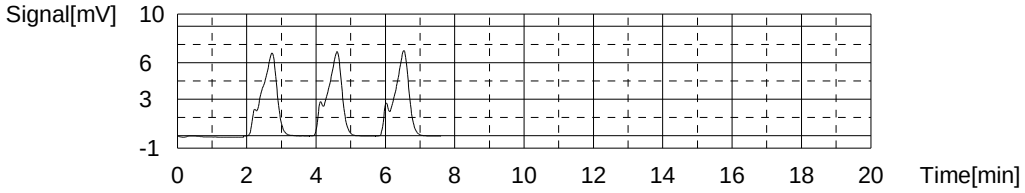
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:231.0mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1774	-2.791mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:39:41 AM
2	20.66	231.2mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:41:44 AM
3	20.60	230.5mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:43:48 AM
4	20.67	231.3mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:45:52 AM

Mean Area 20.64
Mean Conc. 231.0mg/L



Sample

Sample Name: 680-99155-i-11
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

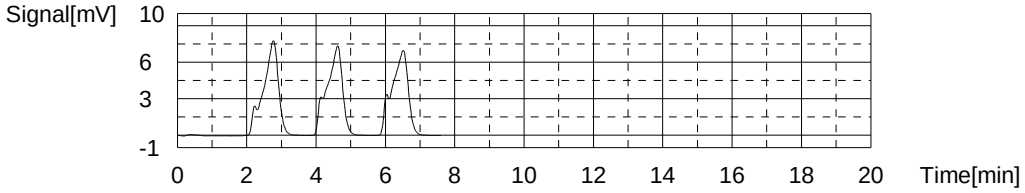
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:259.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1884	-2.665mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:56:09 AM
2	23.46	263.2mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 7:58:12 AM
3	22.98	257.7mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:00:16 AM
4	22.90	256.8mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:02:20 AM

Mean Area 23.11
Mean Conc. 259.2mg/L



Sample

Sample Name: 680-99155-i-12
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

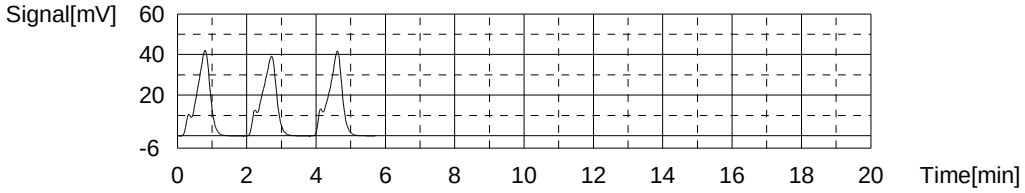
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:1305mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.4	1291mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:12:24 AM
2	114.8	1307mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:14:28 AM
3	115.8	1318mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:16:31 AM

Mean Area 114.7
Mean Conc. 1305mg/L



Sample

Sample Name: 680-99155-i-13
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

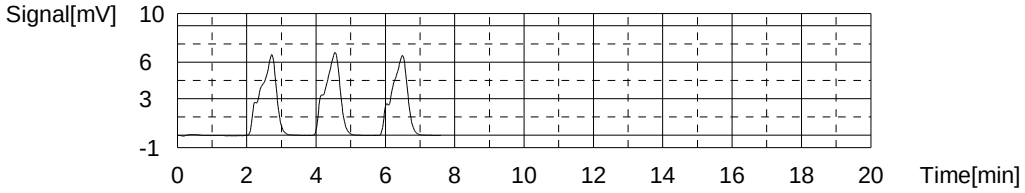
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:229.8mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.2436	-2.034mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:26:50 AM
2	20.65	231.1mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:28:53 AM
3	20.66	231.2mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:30:57 AM
4	20.31	227.2mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:33:01 AM

Mean Area 20.54
Mean Conc. 229.8mg/L



Sample

Sample Name: 680-99155-i-14
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

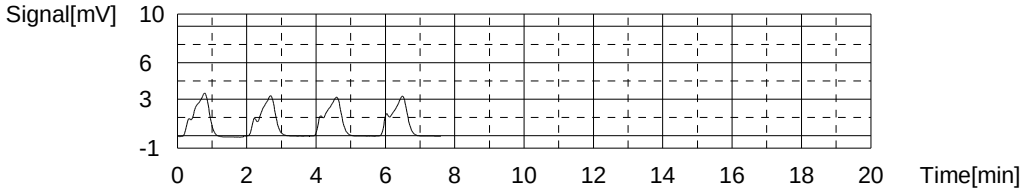
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:110.9mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.82	118.8mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:43:05 AM
2	9.941	108.7mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:45:09 AM
3	10.19	111.6mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:47:13 AM
4	10.26	112.4mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:49:16 AM

Mean Area 10.13
Mean Conc. 110.9mg/L



Sample

Sample Name: 680-99155-i-15
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

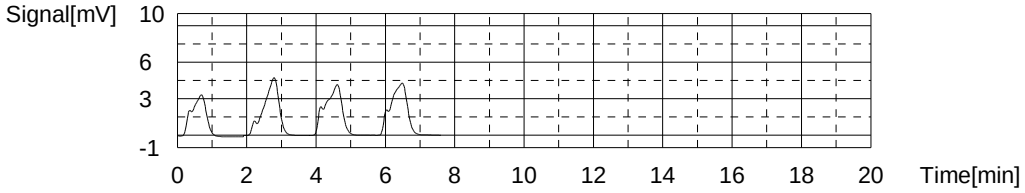
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:157.4mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.988	109.3mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 8:59:21 AM
2	14.26	158.1mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:01:24 AM
3	14.04	155.6mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:03:28 AM
4	14.29	158.4mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:05:32 AM

Mean Area 14.20
Mean Conc. 157.4mg/L



Sample

Sample Name: 680-99155-i-16
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

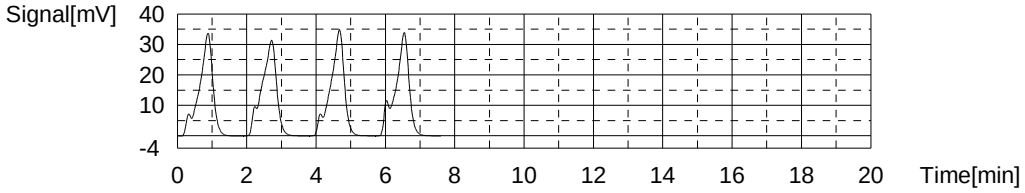
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:1048mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	91.37	1039mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:15:37 AM
2	91.77	1044mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:17:40 AM
3	94.78	1078mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:19:44 AM
4	93.47	1063mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:21:48 AM

Mean Area 92.20
Mean Conc. 1048mg/L



Sample

Sample Name: 680-99155-i-17
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

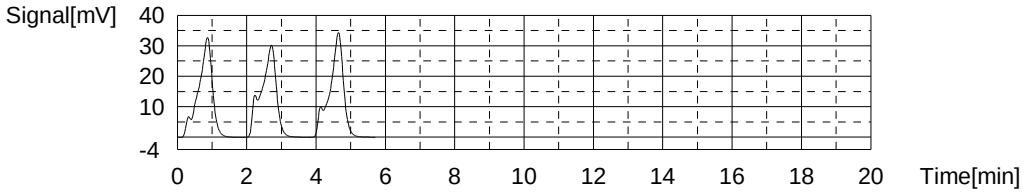
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:1050mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	90.76	1032mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:31:53 AM
2	92.00	1046mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:33:56 AM
3	94.37	1073mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:36:00 AM

Mean Area 92.38
Mean Conc. 1050mg/L



Sample

Sample Name: 680-99155-i-18
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

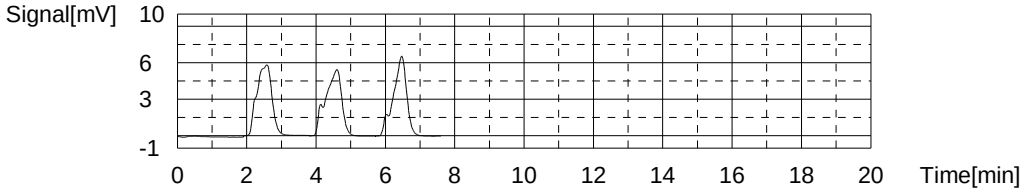
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:195.4mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1620	-2.966mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:46:07 AM
2	17.50	195.1mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:48:10 AM
3	17.67	197.0mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:50:14 AM
4	17.40	194.0mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 9:52:18 AM

Mean Area 17.52
Mean Conc. 195.4mg/L



Sample

Sample Name: 680-99155-i-19
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

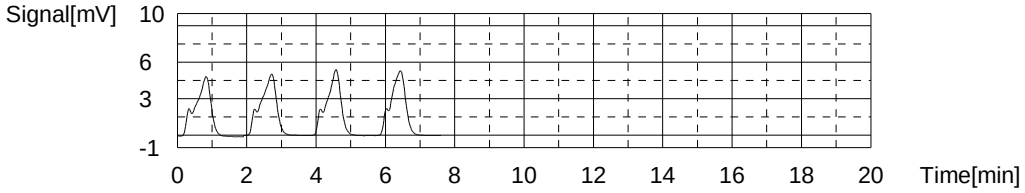
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:173.5mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.07	167.3mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:02:23 AM
2	15.81	175.8mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:04:26 AM
3	15.48	172.0mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:06:30 AM
4	15.53	172.6mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:08:34 AM

Mean Area 15.61
Mean Conc. 173.5mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

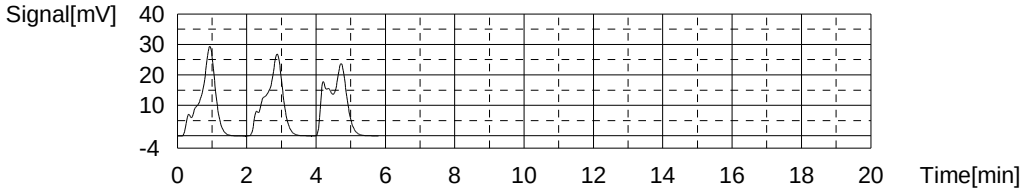
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.62mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.99	50.02mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:18:49 AM
2	89.45	50.85mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:20:53 AM
3	89.68	50.98mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:22:59 AM

Mean Area 89.04
Mean Conc. 50.62mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

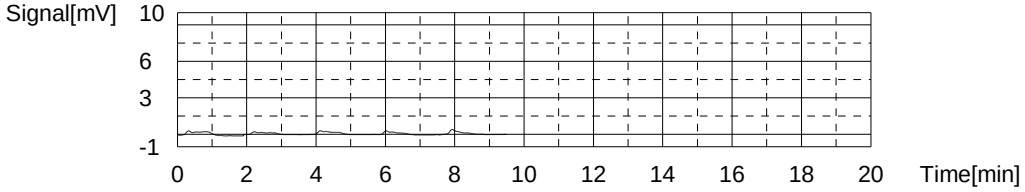
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2050mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.319	0.5125mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:33:05 AM
2	0.7329	0.1778mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:35:08 AM
3	0.9705	0.3135mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:37:12 AM
4	0.8002	0.2162mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:39:16 AM
5	0.8084	0.2209mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:41:19 AM

Mean Area 0.7805
Mean Conc. 0.2050mg/L



Sample

Sample Name: LCS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

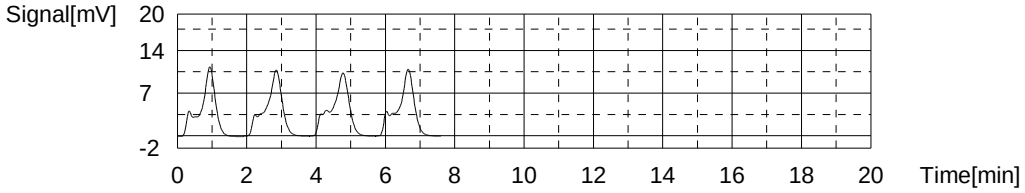
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.94mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.69	19.00mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:51:26 AM
2	34.86	19.67mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:53:30 AM
3	35.84	20.23mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:55:33 AM
4	35.28	19.91mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 10:57:37 AM

Mean Area 35.33
Mean Conc. 19.94mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

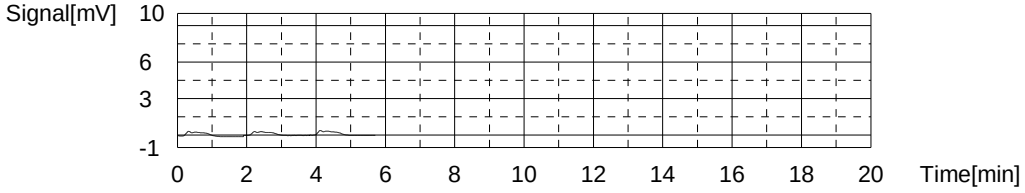
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4788mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.350	0.5302mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:07:42 AM
2	1.161	0.4223mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:09:45 AM
3	1.269	0.4840mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:11:49 AM

Mean Area 1.260
Mean Conc. 0.4788mg/L



Sample

Sample Name: 680-99155-i-20
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

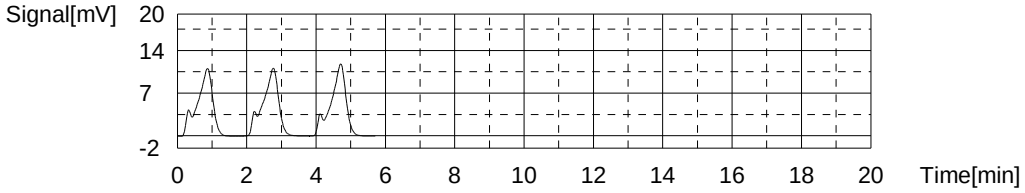
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:99.04mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.79	98.15mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:22:36 AM
2	34.81	98.21mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:24:39 AM
3	35.70	100.8mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:26:43 AM

Mean Area 35.10
Mean Conc. 99.04mg/L



Sample

Sample Name: 680-99155-i-20 MS
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

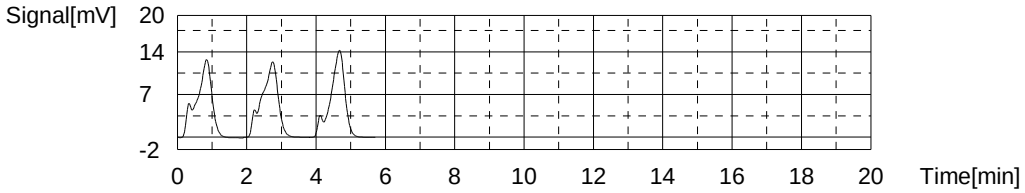
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:113.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	39.67	112.1mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:37:30 AM
2	40.18	113.5mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:39:33 AM
3	40.73	115.1mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:41:37 AM

Mean Area 40.19
Mean Conc. 113.6mg/L



Sample

Sample Name: 680-99155-i-20 MSD
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

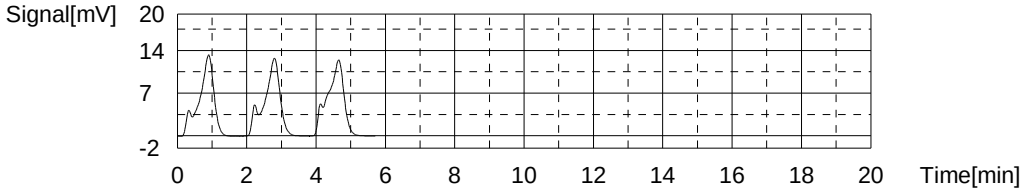
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:113.7mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	39.59	111.9mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:50:33 AM
2	40.18	113.5mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:52:37 AM
3	40.89	115.6mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 11:54:40 AM

Mean Area 40.22
Mean Conc. 113.7mg/L



Sample

Sample Name: 680-99155-i-21
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

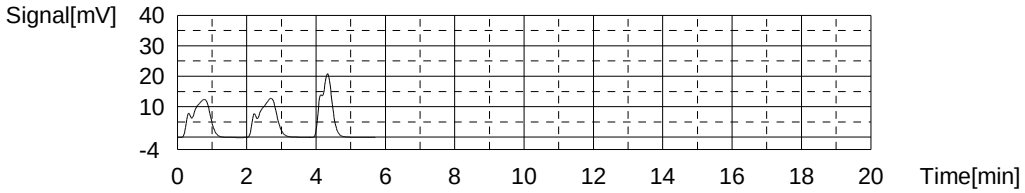
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:26.25mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	45.45	25.72mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:04:46 PM
2	46.78	26.48mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:06:50 PM
3	46.89	26.54mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:08:53 PM

Mean Area 46.37
Mean Conc. 26.25mg/L



Sample

Sample Name: 680-99155-i-22
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

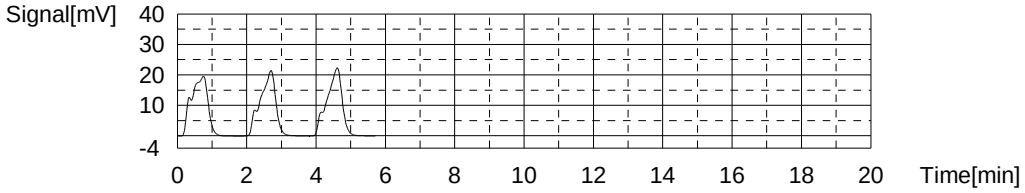
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:752.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	65.93	748.3mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:18:59 PM
2	65.49	743.3mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:21:02 PM
3	67.49	766.2mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:23:06 PM

Mean Area 66.30
Mean Conc. 752.6mg/L



Sample

Sample Name: 680-99155-i-23
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

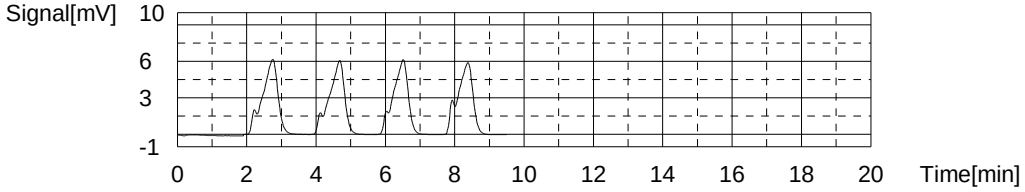
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:205.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-4.817mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:33:12 PM
2	19.17	214.2mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:35:16 PM
3	18.67	208.5mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:37:20 PM
4	18.25	203.7mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:39:23 PM
5	18.23	203.4mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:41:27 PM

Mean Area 18.38
Mean Conc. 205.2mg/L



Sample

Sample Name: 680-99155-i-24
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

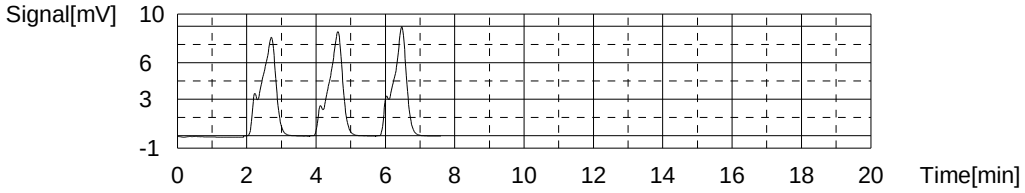
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:268.5mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1291	-3.342mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:51:26 PM
2	24.07	270.1mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:53:29 PM
3	23.78	266.8mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:55:33 PM
4	23.92	268.4mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 12:57:36 PM

Mean Area 23.92
Mean Conc. 268.5mg/L



Sample

Sample Name: 680-99165-b-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

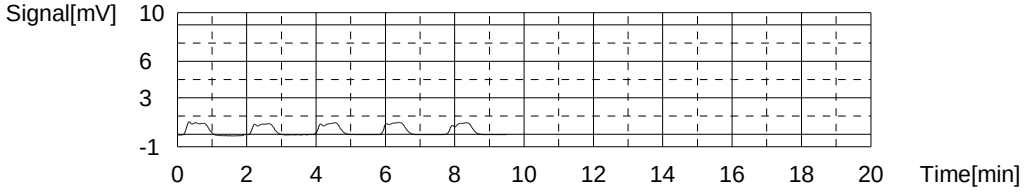
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.756mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.068	2.083mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:07:41 PM
2	3.409	1.706mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:09:44 PM
3	3.550	1.787mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:11:48 PM
4	3.673	1.857mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:13:51 PM
5	3.531	1.776mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:15:55 PM

Mean Area 3.497
Mean Conc. 1.756mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

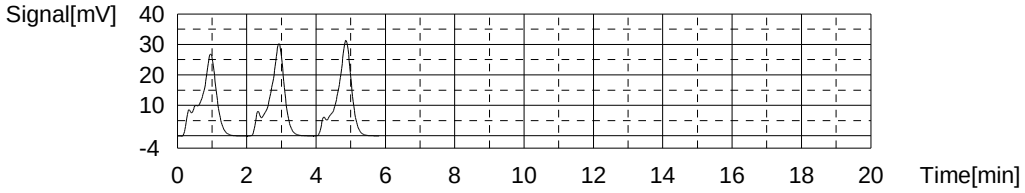
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.30mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.59	49.79mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:26:01 PM
2	88.03	50.04mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:28:05 PM
3	89.83	51.07mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:30:09 PM

Mean Area 88.48
Mean Conc. 50.30mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

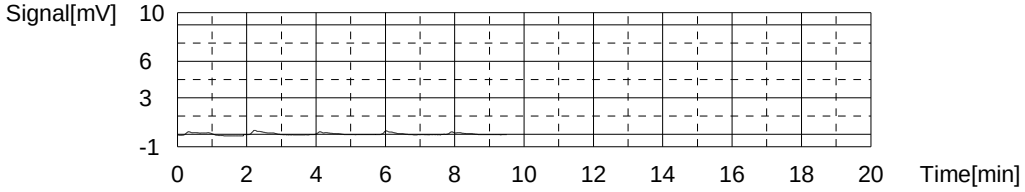
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.07552mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.041	0.3537mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:40:15 PM
2	0.9058	0.2765mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:42:18 PM
3	0.5076	0.04908mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:44:22 PM
4	0.6513	0.1312mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:46:26 PM
5	0.5028	0.04634mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:48:29 PM

Mean Area 0.5539
Mean Conc. 0.07552mg/L



Sample

Sample Name: 680-99165-b-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

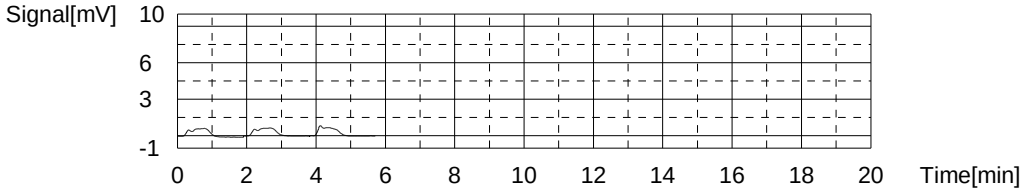
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.223mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.564	1.224mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 1:58:29 PM
2	2.594	1.241mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:00:32 PM
3	2.529	1.204mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:02:36 PM

Mean Area 2.562
Mean Conc. 1.223mg/L



Sample

Sample Name: 680-99165-b-2 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

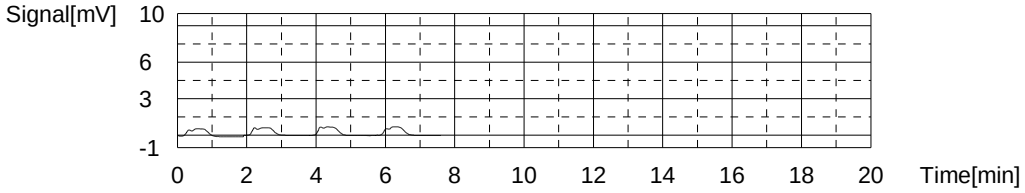
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.132mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.228	1.032mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:09:09 PM
2	2.364	1.109mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:11:12 PM
3	2.466	1.168mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:13:16 PM
4	2.381	1.119mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:15:19 PM

Mean Area 2.404
Mean Conc. 1.132mg/L



Sample

Sample Name: 680-99190-b-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

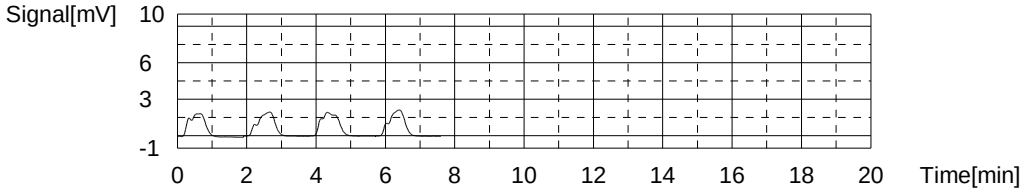
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.519mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.076	3.230mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:25:25 PM
2	6.465	3.452mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:27:28 PM
3	6.704	3.588mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:29:32 PM
4	6.580	3.518mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:31:35 PM

Mean Area 6.583
Mean Conc. 3.519mg/L



Sample

Sample Name: 680-99190-a-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

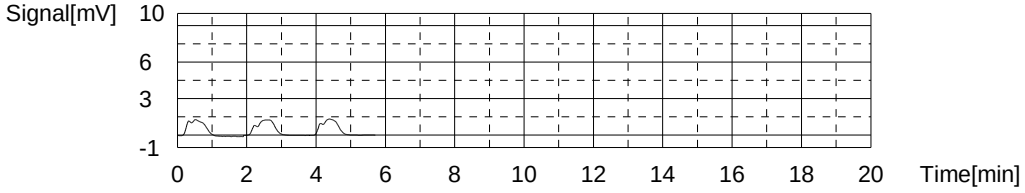
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.328mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.553	2.360mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:41:41 PM
2	4.547	2.356mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:43:44 PM
3	4.392	2.268mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:45:48 PM

Mean Area 4.497
Mean Conc. 2.328mg/L



Sample

Sample Name: 680-99232-a-13
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

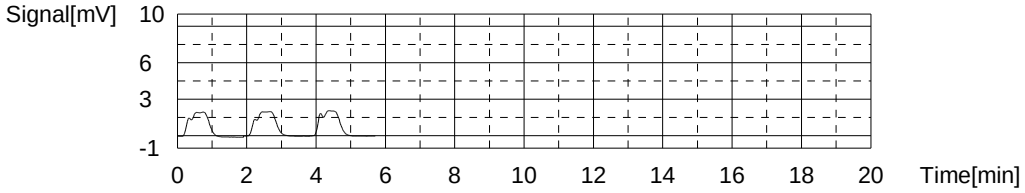
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.180mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.596	4.098mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:55:55 PM
2	7.874	4.257mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 2:57:58 PM
3	7.751	4.186mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:00:02 PM

Mean Area 7.740
Mean Conc. 4.180mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

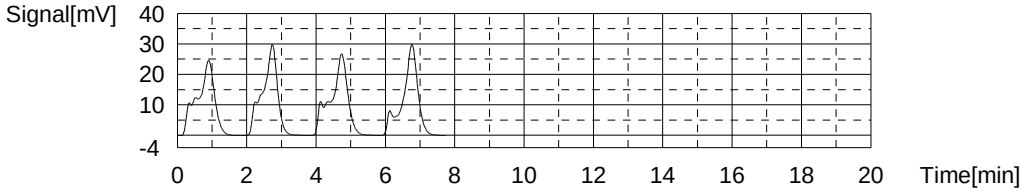
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.60mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.28	48.47mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:10:18 PM
2	88.48	50.30mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:12:21 PM
3	90.28	51.33mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:14:31 PM
4	88.28	50.18mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:16:37 PM

Mean Area 89.01
Mean Conc. 50.60mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

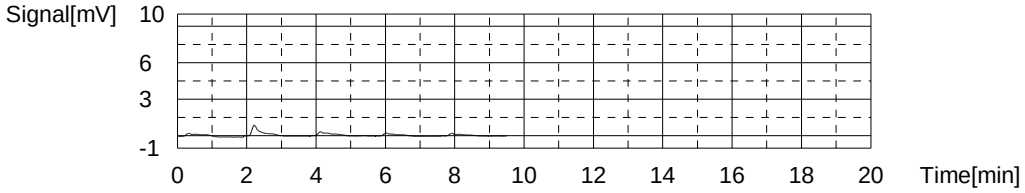
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1970mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8453	0.2420mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:26:41 PM
2	1.645	0.6987mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:28:44 PM
3	0.8395	0.2387mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:30:48 PM
4	0.6151	0.1105mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:32:51 PM
5	0.5481	0.07221mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/16/2014 3:34:55 PM

Mean Area	0.7666
Mean Conc.	0.1970mg/L



	Sample Name	Sample ID	Dilution	Result	Date / Time	Vial
1	CCV		1.000	NPOC:48.57mg/L	3/17/2014 1:23:56 PM	1
2	CCB		1.000	!!Failed!! NPOC:-0.2133mg/L	3/17/2014 1:38:18 PM	2
3	BICARB/CARB		1.000	NPOC:0.2313mg/L	3/17/2014 1:56:47 PM	3
4	RLV		1.000	NPOC:0.9274mg/L	3/17/2014 2:13:06 PM	4
5	LCS		1.000	NPOC:19.14mg/L	3/17/2014 2:27:29 PM	5
6	LCSD		1.000	NPOC:18.85mg/L	3/17/2014 2:40:22 PM	5
7	640-47084-s-1		1.000	NPOC:46.48mg/L	3/17/2014 2:56:47 PM	6
8	640-47084-r-1 MS		1.000	NPOC:65.75mg/L	3/17/2014 3:11:22 PM	7
9	640-47084-r-1 MSD		1.000	NPOC:64.65mg/L	3/17/2014 3:22:35 PM	7
10	640-47084-s-2		1.000	NPOC:15.30mg/L	3/17/2014 3:41:04 PM	8
11	640-47084-s-3		1.000	NPOC:15.95mg/L	3/17/2014 3:57:25 PM	9
12	640-47098-a-1		1.000	NPOC:2.664mg/L	3/17/2014 4:15:52 PM	10
13	CCV		1.000	NPOC:47.92mg/L	3/17/2014 4:32:30 PM	1
14	CCB		1.000	NPOC:0.00563mg/L	3/17/2014 4:50:57 PM	2
15	640-47098-a-2		1.000	NPOC:3.887mg/L	3/17/2014 5:05:18 PM	11
16	640-47098-a-2 DU		1.000	NPOC:3.873mg/L	3/17/2014 5:16:09 PM	11
17	640-47098-a-3		1.000	NPOC:3.547mg/L	3/17/2014 5:30:32 PM	12
18	640-47098-a-4		1.000	NPOC:3.877mg/L	3/17/2014 5:49:01 PM	13
19	680-99170-c-3	5	1.000	NPOC:244.2mg/L	3/17/2014 6:03:58 PM	14
20	680-99412-c-10	20	1.000	NPOC:1.819mg/L	3/17/2014 6:23:07 PM	15
21	680-99168-j-6	5	1.000	NPOC:320.7mg/L	3/17/2014 6:38:04 PM	16
22	680-99168-j-7	5	1.000	NPOC:331.5mg/L	3/17/2014 6:57:13 PM	17
23	680-99168-l-8	5	1.000	NPOC:114.5mg/L	3/17/2014 7:14:14 PM	18
24	680-99220-l-8	5	1.000	NPOC:169.2mg/L	3/17/2014 7:31:19 PM	19
25	CCV		1.000	NPOC:50.39mg/L	3/17/2014 7:45:58 PM	20
26	CCB		1.000	!!Failed!! NPOC:-0.07765mg/L	3/17/2014 8:04:14 PM	21

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	CCV
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

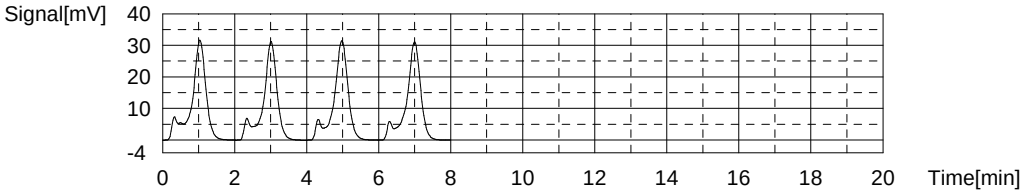
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.57mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	88.96	50.57mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 1:17:29 PM
2	84.14	47.82mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 1:19:38 PM
3	86.53	49.18mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 1:21:46 PM
4	85.69	48.70mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 1:23:56 PM

Mean Area 85.45
Mean Conc. 48.57mg/L



Sample

Sample Name:	CCB
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

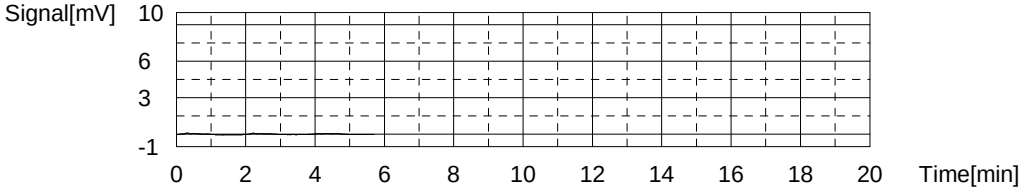
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.2133mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1446	-0.1583mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 1:34:11 PM
2	0.000	-0.2409mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 1:36:14 PM
3	0.000	-0.2409mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 1:38:18 PM

Mean Area 0.04820
Mean Conc. -0.2133mg/L



Sample

Sample Name: BICARB/CARB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

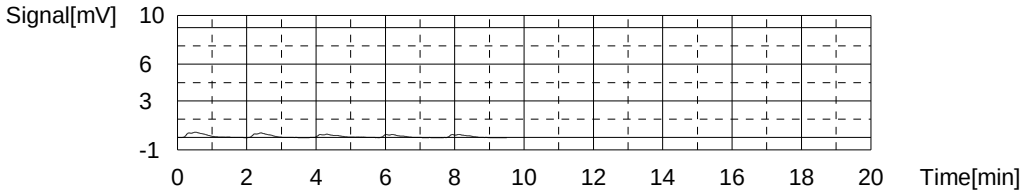
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2313mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.422	0.5714mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 1:48:34 PM
2	1.130	0.4046mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 1:50:37 PM
3	0.8273	0.2317mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 1:52:41 PM
4	0.8026	0.2176mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 1:54:44 PM
5	0.8500	0.2447mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 1:56:47 PM

Mean Area 0.8266
Mean Conc. 0.2313mg/L



Sample

Sample Name: RLV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

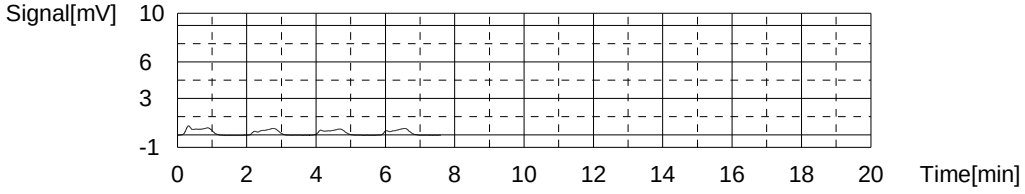
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9274mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.775	1.344mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 2:06:57 PM
2	2.085	0.9501mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 2:09:00 PM
3	2.015	0.9101mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 2:11:03 PM
4	2.036	0.9221mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 2:13:06 PM

Mean Area 2.045
Mean Conc. 0.9274mg/L



Sample

Sample Name: LCS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

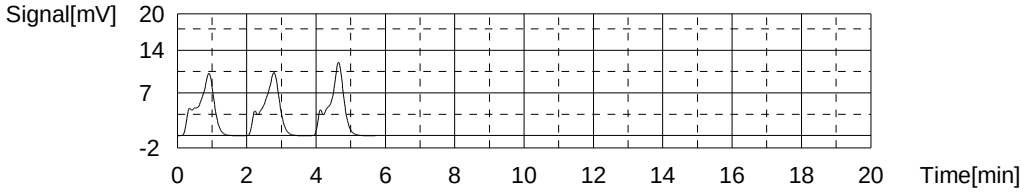
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.14mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.90	19.12mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 2:23:23 PM
2	33.64	18.97mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 2:25:26 PM
3	34.25	19.32mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 2:27:29 PM

Mean Area 33.93
Mean Conc. 19.14mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

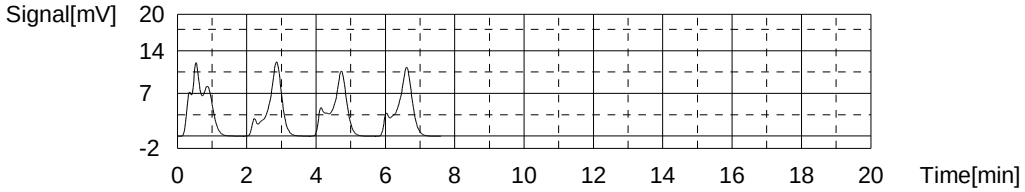
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.85mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	39.45	22.29mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 2:34:13 PM
2	33.20	18.72mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 2:36:16 PM
3	33.30	18.78mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 2:38:19 PM
4	33.78	19.05mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 2:40:22 PM

Mean Area 33.43
Mean Conc. 18.85mg/L



Sample

Sample Name: 640-47084-s-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

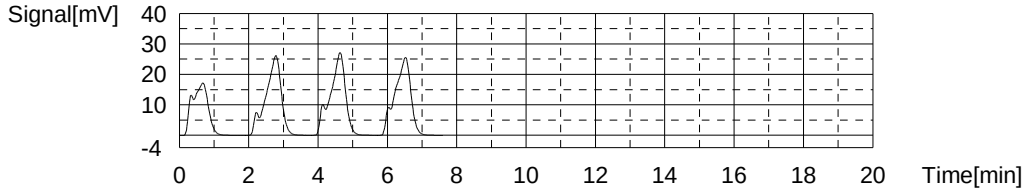
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:46.48mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	55.53	31.48mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 2:50:37 PM
2	80.81	45.92mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 2:52:40 PM
3	82.86	47.09mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 2:54:44 PM
4	81.70	46.42mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 2:56:47 PM

Mean Area 81.79
Mean Conc. 46.48mg/L



Sample

Sample Name: 640-47084-r-1 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

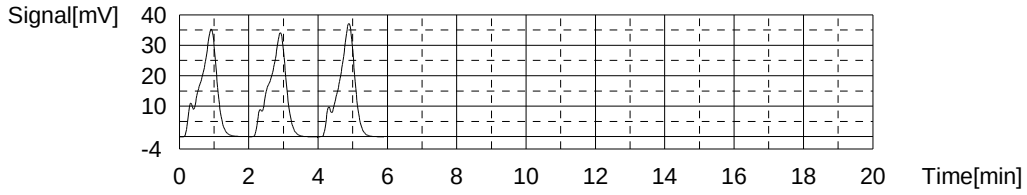
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:65.75mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	117.1	66.64mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 3:07:09 PM
2	113.7	64.70mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 3:09:17 PM
3	115.8	65.90mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 3:11:22 PM

Mean Area 115.5
Mean Conc. 65.75mg/L



Sample

Sample Name: 640-47084-r-1 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

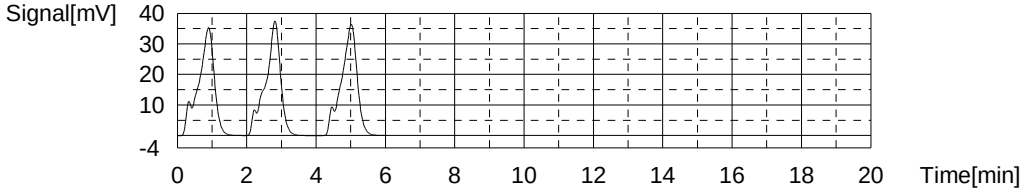
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:64.65mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.9	64.25mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 3:18:08 PM
2	112.9	64.25mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 3:20:31 PM
3	115.0	65.44mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 3:22:35 PM

Mean Area 113.6
Mean Conc. 64.65mg/L



Sample

Sample Name: 640-47084-s-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

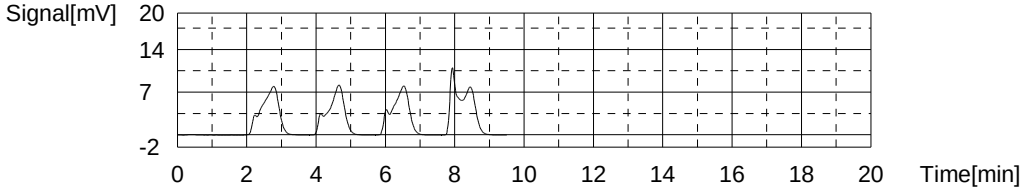
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:15.30mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1308	-0.1661mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 3:32:51 PM
2	27.93	15.71mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 3:34:55 PM
3	26.42	14.85mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 3:36:58 PM
4	27.25	15.32mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 3:39:01 PM
5	35.49	20.03mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 3:41:04 PM

Mean Area 27.20
Mean Conc. 15.30mg/L



Sample

Sample Name: 640-47084-s-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

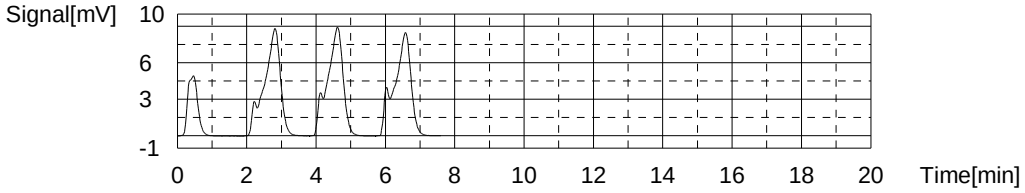
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:15.95mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.860	5.391mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 3:51:14 PM
2	28.52	16.05mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 3:53:18 PM
3	28.34	15.95mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 3:55:21 PM
4	28.19	15.86mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 3:57:25 PM

Mean Area 28.35
Mean Conc. 15.95mg/L



Sample

Sample Name: 640-47098-a-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

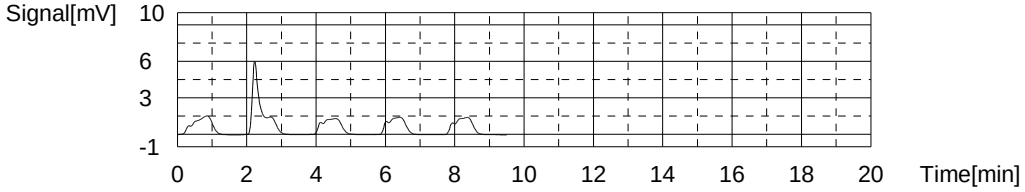
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.664mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.619	2.969mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 4:07:39 PM
2	11.15	6.128mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 4:09:42 PM
3	5.022	2.628mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 4:11:45 PM
4	5.069	2.654mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 4:13:49 PM
5	5.166	2.710mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 4:15:52 PM

Mean Area 5.086
Mean Conc. 2.664mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

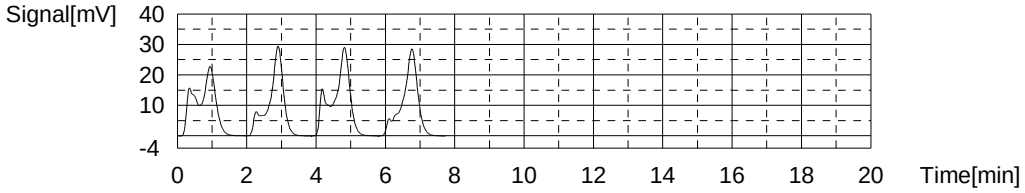
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:47.92mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.96	48.86mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 4:26:15 PM
2	82.72	47.01mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 4:28:19 PM
3	96.45	54.85mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 4:30:24 PM
4	84.30	47.91mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 4:32:30 PM

Mean Area 84.33
Mean Conc. 47.92mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

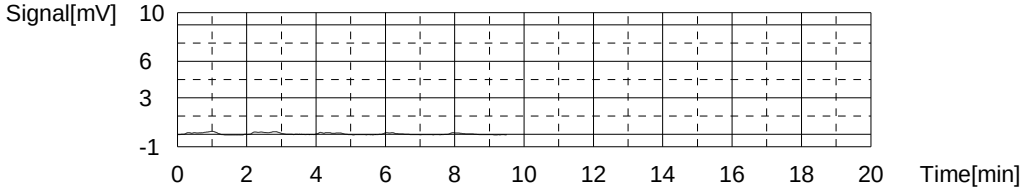
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.00563mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.080	0.3760mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 4:42:45 PM
2	0.9423	0.2974mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 4:44:48 PM
3	0.6423	0.1260mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 4:46:51 PM
4	0.2767	-0.08281mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 4:48:54 PM
5	0.3756	-0.02632mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 4:50:57 PM

Mean Area 0.4315
Mean Conc. 0.00563mg/L



Sample

Sample Name: 640-47098-a-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

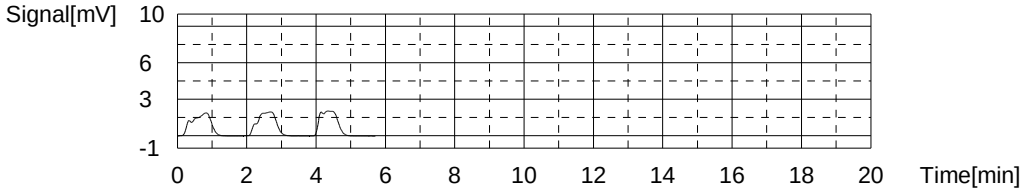
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.887mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.171	3.855mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 5:01:11 PM
2	7.218	3.882mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 5:03:15 PM
3	7.291	3.924mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 5:05:18 PM

Mean Area 7.227
Mean Conc. 3.887mg/L



Sample

Sample Name: 640-47098-a-2 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

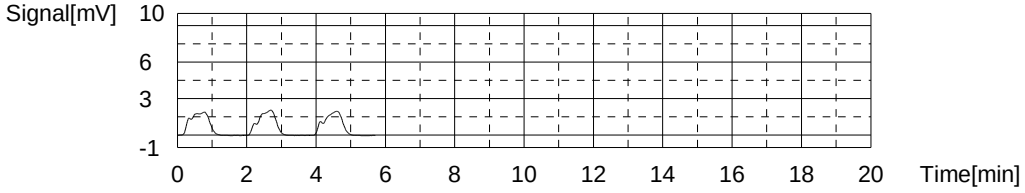
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.873mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.245	3.897mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 5:12:02 PM
2	7.210	3.877mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 5:14:06 PM
3	7.153	3.845mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 5:16:09 PM

Mean Area 7.203
Mean Conc. 3.873mg/L



Sample

Sample Name: 640-47098-a-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

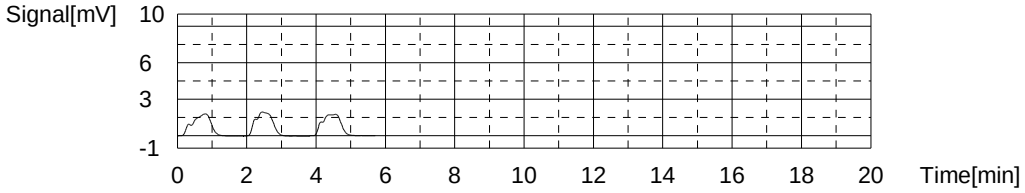
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.547mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.615	3.538mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 5:26:26 PM
2	6.736	3.607mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 5:28:29 PM
3	6.542	3.496mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 5:30:32 PM

Mean Area 6.631
Mean Conc. 3.547mg/L



Sample

Sample Name: 640-47098-a-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

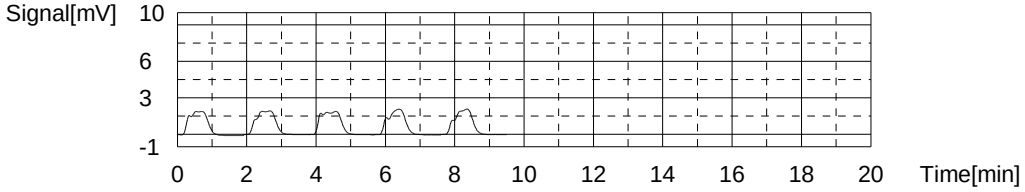
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.877mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.102	3.816mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 5:40:48 PM
2	7.444	4.011mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 5:42:52 PM
3	7.748	4.185mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 5:44:55 PM
4	7.154	3.845mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 5:46:58 PM
5	7.372	3.970mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 5:49:01 PM

Mean Area 7.209
Mean Conc. 3.877mg/L



Sample

Sample Name: 680-99170-c-3
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

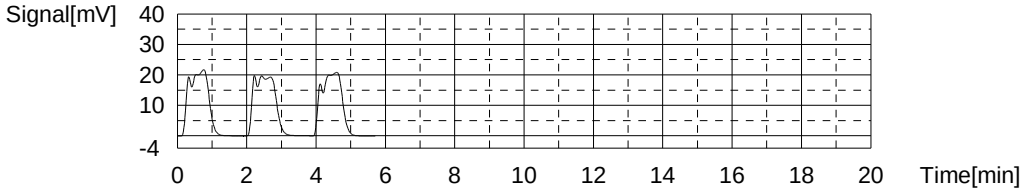
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:244.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.04	241.7mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 5:59:52 PM
2	86.12	244.7mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 6:01:55 PM
3	86.64	246.2mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 6:03:58 PM

Mean Area 85.93
Mean Conc. 244.2mg/L



Sample

Sample Name: 680-99412-c-10
Sample ID: 20
Origin: TOC415.1A.met
Status Completed
Chk. Result

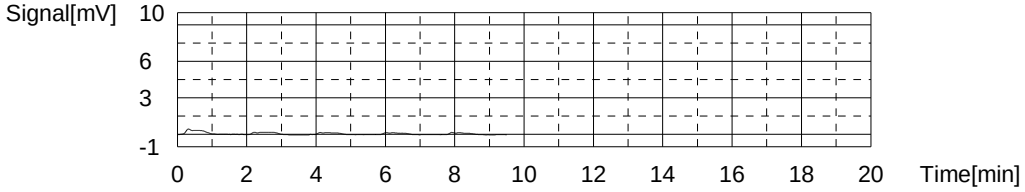
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.819mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.304	10.08mg/L	50uL	20	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 6:14:54 PM
2	0.9001	5.465mg/L	50uL	20	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 6:16:57 PM
3	0.5980	2.014mg/L	50uL	20		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 6:19:00 PM
4	0.5826	1.838mg/L	50uL	20		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 6:21:04 PM
5	0.5621	1.604mg/L	50uL	20		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 6:23:07 PM

Mean Area 0.5809
Mean Conc. 1.819mg/L



Sample

Sample Name: 680-99168-j-6
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

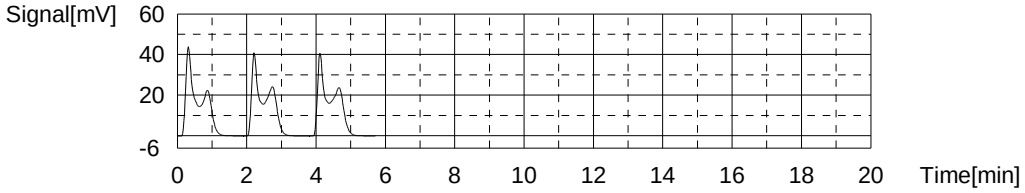
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:320.7mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.4	319.8mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 6:33:58 PM
2	111.6	317.5mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 6:36:01 PM
3	114.1	324.7mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 6:38:04 PM

Mean Area 112.7
Mean Conc. 320.7mg/L



Sample

Sample Name: 680-99168-j-7
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

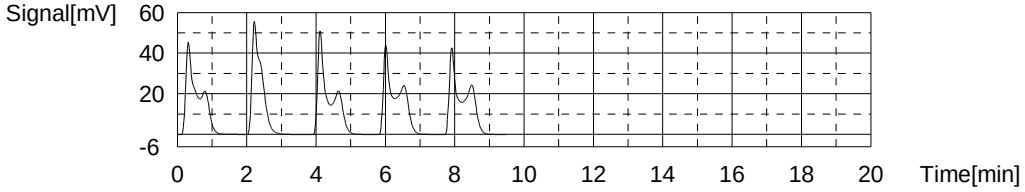
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:331.5mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.4	316.9mg/L	50uL	5	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 6:49:00 PM
2	105.6	300.4mg/L	50uL	5	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 6:51:03 PM
3	115.8	329.5mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 6:53:06 PM
4	116.2	330.7mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 6:55:10 PM
5	117.5	334.4mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 6:57:13 PM

Mean Area 116.5
Mean Conc. 331.5mg/L



Sample

Sample Name: 680-99168-l-8
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

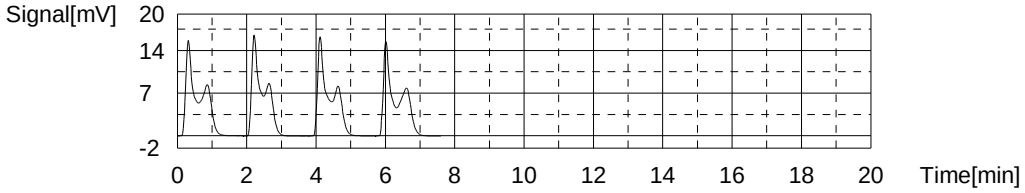
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:114.5mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	40.69	115.0mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 7:08:05 PM
2	38.75	109.5mg/L	50uL	5	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 7:10:08 PM
3	40.07	113.2mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 7:12:11 PM
4	40.73	115.1mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 7:14:14 PM

Mean Area 40.50
Mean Conc. 114.5mg/L



Sample

Sample Name: 680-99220-I-8
Sample ID: 5
Origin: TOC415.1A.met
Status Completed
Chk. Result

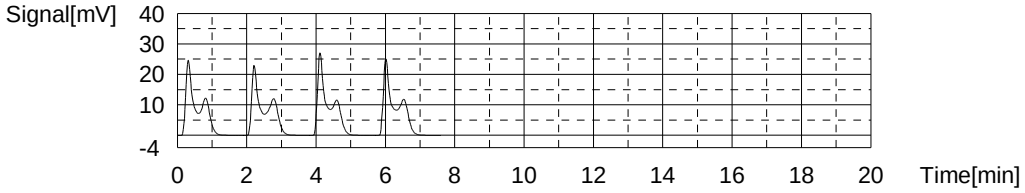
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:169.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	57.31	162.5mg/L	50uL	5	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 7:25:09 PM
2	58.54	166.0mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 7:27:12 PM
3	60.28	170.9mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 7:29:16 PM
4	60.15	170.6mg/L	50uL	5		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 7:31:19 PM

Mean Area 59.66
Mean Conc. 169.2mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

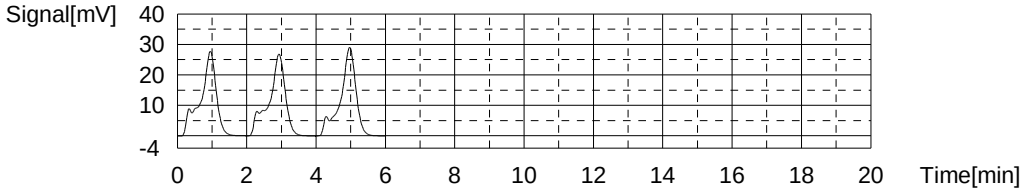
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.39mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.84	49.93mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 7:41:37 PM
2	88.27	50.18mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 7:43:47 PM
3	89.82	51.06mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 7:45:58 PM

Mean Area 88.64
Mean Conc. 50.39mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

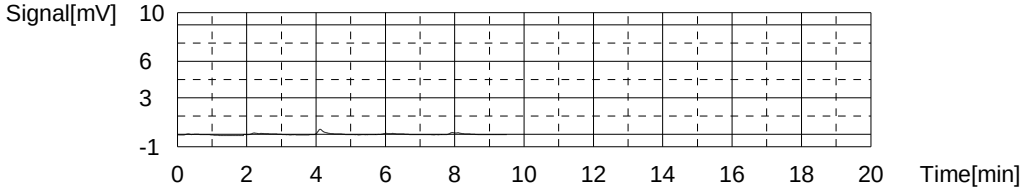
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.07765mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.2409mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 7:56:02 PM
2	0.3590	-0.03580mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 7:58:05 PM
3	0.5833	0.09232mg/L	50uL	1	E	TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 8:00:08 PM
4	0.1714	-0.1430mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 8:02:11 PM
5	0.3268	-0.05419mg/L	50uL	1		TOCCURVE100.2014_03_14_09_13_36.cal	3/17/2014 8:04:14 PM

Mean Area 0.2857
Mean Conc. -0.07765mg/L



	Sample Name	Sample ID	Dilution	Result	Date / Time	Vial
1	TC	TC	1.000		3/14/2014 10:35:22 AM	1, 2, 3, 4, 5, 6

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Cal. Curve

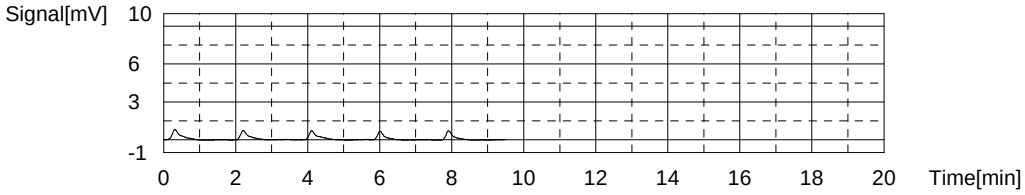
Sample Name:	TC
Sample ID:	TC
Cal. Curve:	TOCCURVE100.2014_03_14_09_13_36.cal
Status	Completed

Type	Anal.
Standard	TC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.402	50uL	1	*******	E	3/14/2014 9:18:34 AM
2	1.138	50uL	1	*******		3/14/2014 9:20:37 AM
3	1.221	50uL	1	*******		3/14/2014 9:22:39 AM
4	0.9536	50uL	1	*******	E	3/14/2014 9:24:42 AM
5	1.060	50uL	1	*******		3/14/2014 9:26:46 AM

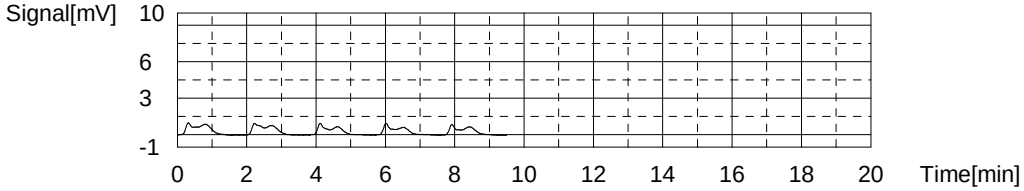
Acid Add. 0.000%
Mean Area 1.140



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	3.714	50uL	1	*******	E	3/14/2014 9:32:32 AM
2	3.607	50uL	1	*******	E	3/14/2014 9:34:35 AM
3	2.804	50uL	1	*******		3/14/2014 9:36:38 AM
4	2.724	50uL	1	*******		3/14/2014 9:38:41 AM
5	2.852	50uL	1	*******		3/14/2014 9:40:44 AM

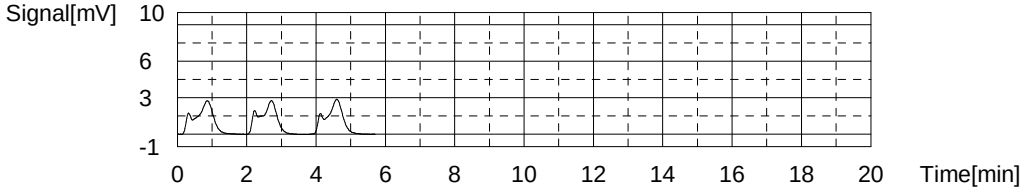
Acid Add. 0.000%
Mean Area 2.793



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	9.770	50uL	1	*******		3/14/2014 9:46:31 AM
2	9.630	50uL	1	*******		3/14/2014 9:48:34 AM
3	9.511	50uL	1	*******		3/14/2014 9:50:37 AM

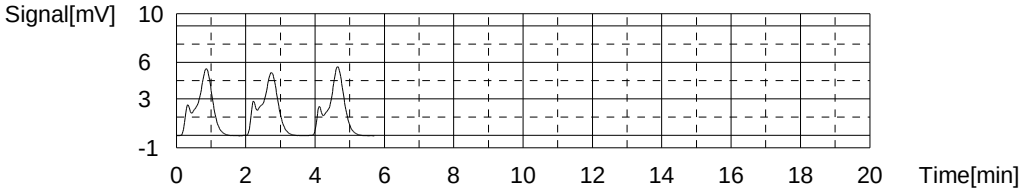
Acid Add. 0.000%
Mean Area 9.637



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	18.22	50uL	1	*******		3/14/2014 9:56:29 AM
2	17.99	50uL	1	*******		3/14/2014 9:58:33 AM
3	17.85	50uL	1	*******		3/14/2014 10:00:36 AM

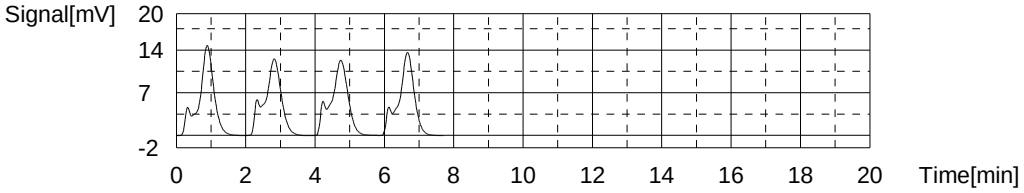
Acid Add. 0.000%
Mean Area 18.02



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	44.11	50uL	1	*******	E	3/14/2014 10:06:34 AM
2	42.49	50uL	1	*******		3/14/2014 10:08:37 AM
3	42.47	50uL	1	*******		3/14/2014 10:10:40 AM
4	42.54	50uL	1	*******		3/14/2014 10:12:44 AM

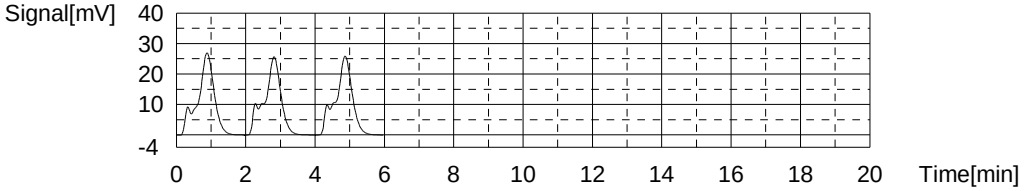
Acid Add. 0.000%
Mean Area 42.50



Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	88.16	50uL	1	*******		3/14/2014 10:18:38 AM
2	85.75	50uL	1	*******		3/14/2014 10:20:52 AM
3	86.46	50uL	1	*******		3/14/2014 10:22:58 AM

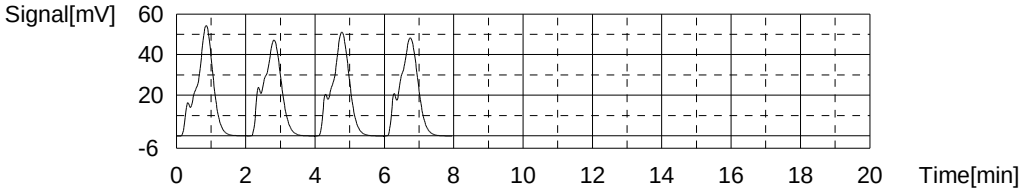
Acid Add. 0.000%
Mean Area 86.79



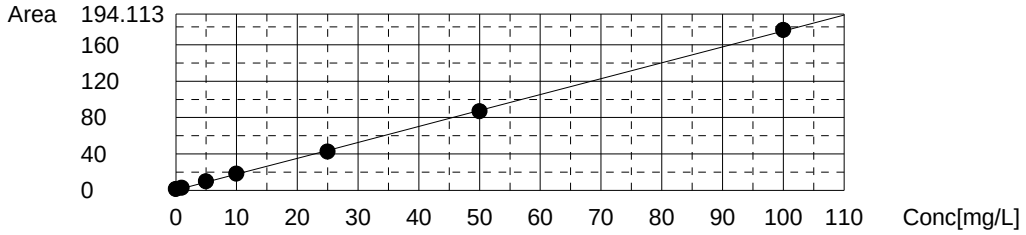
Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	177.6	50uL	1	*******		3/14/2014 10:28:59 AM
2	171.1	50uL	1	*******	E	3/14/2014 10:31:05 AM
3	176.9	50uL	1	*******		3/14/2014 10:33:13 AM
4	174.9	50uL	1	*******		3/14/2014 10:35:22 AM

Acid Add. 0.000%
Mean Area 176.5



Slope:	1.751
Intercept	0.4217
r^2	0.999745
r	0.999872
Zero Shift	No



GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 317820 Batch Start Date: 02/28/14 13:45 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 02/28/14 14:13

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 ICV 00022		
ICV 680-317820/10		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		

Batch Notes	
Batch Comment	preservation: 317743
Buffer Reagent ID Number	3449146
EDTA Lot Number	40657
Hypochlorite Reagent ID Number	3473224
NaOH Lot #	57415
Sodium Nitroprusside Reagent ID	3418883
Pipette ID	ge1
Perform Calculation (0=No, 1=Yes)	0
Sodium Phenolate Reagent ID Number	3473228

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 319784 Batch Start Date: 03/14/14 18:06 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 03/15/14 13:03

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 LCS 00043		
CCV 680-319784/1		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-319784/2		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319784/9		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-319784/10		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
LCS 680-319784/11		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
MB 680-319784/12		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99170-C-4	SMSMW12A	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99170-C-6	SMSSW03	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319784/23		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-319784/24		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 319784 Batch Start Date: 03/14/14 18:06 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 03/15/14 13:03

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 LCS 00043		
680-99170-C-1	SMSMW08A	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99170-C-2	SMSMW03B	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99170-C-3	SMSMW02A	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99170-C-7	SMSMW04A	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319784/31		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-319784/32		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319784/33		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-319784/34		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99170-C-8	SMSMW01A	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319784/36		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 319784 Batch Start Date: 03/14/14 18:06 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 03/15/14 13:03

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 LCS 00043		
CCB 680-319784/37		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			

Batch Notes	
Batch Comment	preservation: 319650 & diltuion: 319652
Buffer Reagent ID Number	3449146
EDTA Lot Number	40657
Hypochlorite Reagent ID Number	3490135
NaOH Lot #	57415
Sodium Nitroprusside Reagent ID	3418883
Pipette ID	ge1
Perform Calculation (0=No, 1=Yes)	0
Sodium Phenolate Reagent ID Number	3490134

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 310250 Batch Start Date: 01/02/14 09:48 Batch Analyst: West, Ryan

Batch Method: 365.1 Batch End Date: 01/02/14 11:17

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	PO4 ICV 00015			
ICV 680-310250/9		365.1		2 mL	2 mL	2 mL			
ICB 680-310250/10		365.1		2 mL	2 mL				

Batch Notes	
Ammonium Molybdate Reagent ID Number	ortho reagent 1 00021
Ascorbic Acid Reagent ID Number	ortho reagent 2 00300
Potassium Antimonyl Tartrate Reagent ID	ortho reagent 1 00021
Pipette ID	GE8

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 318579 Batch Start Date: 03/06/14 14:23 Batch Analyst: Xiang, George R

Batch Method: 365.1 Batch End Date: 03/06/14 15:42

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	PO4 100ppm 00089	PO4 LCS 00111		
LCS 680-318579/1		365.1		2 mL	2 mL		2 mL		
MB 680-318579/2		365.1		2 mL	2 mL				
680-99170-G-2	SMSMW03B	365.1	T	2 mL	2 mL				
680-99170-G-3	SMSMW02A	365.1	T	2 mL	2 mL				
680-99170-G-4	SMSMW12A	365.1	T	2 mL	2 mL				
680-99170-G-6	SMSSW03	365.1	T	2 mL	2 mL				
680-99170-G-7	SMSMW04A	365.1	T	2 mL	2 mL				
CCV 680-318579/10		365.1		2 mL	2 mL		2 mL		
CCB 680-318579/11		365.1		2 mL	2 mL				
CCV 680-318579/22		365.1		2 mL	2 mL		2 mL		
CCB 680-318579/23		365.1		2 mL	2 mL				
CCV 680-318579/29		365.1		2 mL	2 mL		2 mL		
CCB 680-318579/30		365.1		2 mL	2 mL				
680-99170-G-1	SMSMW08A	365.1	T	2 mL	2 mL				
680-99170-G-1 MS	SMSMW08A	365.1	T	10 mL	10 mL	0.05 mL			
680-99170-G-1 MSD	SMSMW08A	365.1	T	10 mL	10 mL	0.05 mL			
CCV 680-318579/34		365.1		2 mL	2 mL		2 mL		
CCB 680-318579/35		365.1		2 mL	2 mL				

Batch Notes	
Ammonium Molybdate Reagent ID Number	ortho reagent 1 00021
Ascorbic Acid Reagent ID Number	ortho reagent 2 00328
Potassium Antimonyl Tartrate Reagent ID	ortho reagent 1 00021
Pipette ID	ge1

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 318579 Batch Start Date: 03/06/14 14:23 Batch Analyst: Xiang, George R

Batch Method: 365.1 Batch End Date: 03/06/14 15:42

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 318580 Batch Start Date: 03/06/14 14:30 Batch Analyst: Xiang, George R

Batch Method: 365.1 Batch End Date: 03/06/14 15:59

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	PO4 100ppm 00089	PO4 LCS 00111		
LCS 680-318580/1		365.1		2 mL	2 mL		2 mL		
MB 680-318580/2		365.1		2 mL	2 mL				
680-99170-G-8	SMSMW01A	365.1	T	2 mL	2 mL				
680-99170-G-8 MS	SMSMW01A	365.1	T	10 mL	10 mL	0.1 mL			
680-99170-G-8 MSD	SMSMW01A	365.1	T	10 mL	10 mL	0.1 mL			
CCV 680-318580/10		365.1		2 mL	2 mL		2 mL		
CCB 680-318580/11		365.1		2 mL	2 mL				
CCV 680-318580/20		365.1		2 mL	2 mL		2 mL		
CCB 680-318580/21		365.1		2 mL	2 mL				

Batch Notes	
Ammonium Molybdate Reagent ID Number	ortho reagent 1 00021
Ascorbic Acid Reagent ID Number	ortho reagent 2 00328
Potassium Antimonyl Tartrate Reagent ID	ortho reagent 1 00021
Pipette ID	ge1

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 312999 Batch Start Date: 01/25/14 13:18 Batch Analyst: West, Ryan

Batch Method: 7196A Batch End Date: 01/25/14 13:38

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	CR6 ICV 00025		
ICV 680-312999/8		7196A		2 mL	2 mL	Color Resp. is Blank	2 mL		
ICB 680-312999/9		7196A		2 mL	2 mL	Color Resp. is Blank			

Batch Notes	
Spectrophotometer Cell Path Length	1 cm
Color Reagent ID Number	CR6 reagent 00089
First End time	01/25/14 13:38
pH Range	1.5-2.5
Pipette ID	GE1
First Start time	01/25/14 13:18

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 318578 Batch Start Date: 03/06/14 13:39 Batch Analyst: Xiang, George R

Batch Method: 7196A Batch End Date: 03/06/14 13:56

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	Cr6 Cal Stock 00007	CR6 LCS 00117	
LCS 680-318578/1		7196A		2 mL	2 mL	Color Resp. is Blank		2 mL	
MB 680-318578/2		7196A		2 mL	2 mL	Color Resp. is Blank			
680-99170-K-4	SMSMW12A	7196A	T	2 mL	2 mL	Color Resp. is Blank			
680-99170-K-4 MS	SMSMW12A	7196A	T	10 mL	10 mL	Color Resp. is Blank	0.2 mL		
CCV 680-318578/6		7196A		2 mL	2 mL	Color Resp. is Blank		2 mL	
CCB 680-318578/7		7196A		2 mL	2 mL	Color Resp. is Blank			
CCV 680-318578/8		7196A		2 mL	2 mL	Color Resp. is Blank		2 mL	
CCB 680-318578/9		7196A		2 mL	2 mL	Color Resp. is Blank			
680-99170-K-4 MSD	SMSMW12A	7196A	T	10 mL	10 mL	Color Resp. is Blank	0.2 mL		
CCV 680-318578/11		7196A		2 mL	2 mL	Color Resp. is Blank		2 mL	
CCB 680-318578/12		7196A		2 mL	2 mL	Color Resp. is Blank			

Batch Notes	
Spectrophotometer Cell Path Length	1 cm
Color Reagent ID Number	cr6 reagent 00098
First End time	03/06/14 13:56
pH Range	1.5-2.5
Pipette ID	ge1
First Start time	03/06/14 13:39

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 318547 Batch Start Date: 03/06/14 15:18 Batch Analyst: Orr, Ashley J

Batch Method: 4500 S2 F-2011 Batch End Date: 03/06/14 16:18

Lab Sample ID	Client Sample ID	Method Chain	Basis	BuretStart1	BuretStop1	TitrantVolume1	IodineAmount	InitialAmount	FinalAmount
MB 680-318547/1		4500 S2 F-2011		0 mL	9.90 mL	9.9 mL	2.5 mL	250 mL	250 mL
LCS 680-318547/2		4500 S2 F-2011		0 mL	3.80 mL	3.8 mL	2.5 mL	250 mL	250 mL
LCSD 680-318547/3		4500 S2 F-2011		0 mL	3.80 mL	3.8 mL	2.5 mL	250 mL	250 mL
680-99170-D-1	SMSMW08A	4500 S2 F-2011	T	0 mL	9.60 mL	9.6 mL	2.5 mL	250 mL	250 mL
680-99170-D-2	SMSMW03B	4500 S2 F-2011	T	0 mL	8.30 mL	8.3 mL	2.5 mL	250 mL	250 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	Final pH	SulfideCheck	CalcMsg	SulfideLCS 00335	
MB 680-318547/1		4500 S2 F-2011		7 SU	<2 SU	N	OK		
LCS 680-318547/2		4500 S2 F-2011		>9 SU	<2 SU	N	OK	240 uL	
LCSD 680-318547/3		4500 S2 F-2011		>9 SU	<2 SU	N	OK	240 uL	
680-99170-D-1	SMSMW08A	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99170-D-2	SMSMW03B	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 318547 Batch Start Date: 03/06/14 15:18 Batch Analyst: Orr, Ashley J

Batch Method: 4500 S2 F-2011 Batch End Date: 03/06/14 16:18

Batch Notes	
First End time	03/06/14 16:18
Lot # of hydrochloric acid	3396327
Iodine Lot Number	3402248
Iodine Vendor	Ricca
Normality of Iodine Solution	0.099769325 N
Lead Acetate Paper Lot #	3375790
Sodium Thiosulfate Lot Number	3435654
Sodium Thiosulfate Vendor	Ricca
Nominal Amount Used	250 mL
pH Strip Lot #	3376411
Pipette ID	GE2
Perform Calculation (0=No, 1=Yes)	1
Starch Lot Number	3143480
Starch Vendor	Fisher
First Start time	03/06/14 15:18
Normality of first Titrant	0.02523676 N
Titrant Standardization Date	03.06.14

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 319309 Batch Start Date: 03/12/14 12:44 Batch Analyst: Orr, Ashley J

Batch Method: 4500 S2 F-2011 Batch End Date: 03/12/14 13:44

Lab Sample ID	Client Sample ID	Method Chain	Basis	BuretStart1	BuretStop1	TitrantVolume1	IodineAmount	InitialAmount	FinalAmount
MB 680-319309/1		4500 S2 F-2011		0 mL	9.80 mL	9.8 mL	2.5 mL	250 mL	250 mL
LCS 680-319309/2		4500 S2 F-2011		0 mL	4.08 mL	4.08 mL	2.5 mL	250 mL	250 mL
680-99170-D-3	SMSMW02A	4500 S2 F-2011	T	0 mL	6.70 mL	6.7 mL	2.5 mL	250 mL	250 mL
680-99170-E-3 DU	SMSMW02A	4500 S2 F-2011	T	0 mL	6.80 mL	6.8 mL	2.5 mL	250 mL	250 mL
680-99170-D-4	SMSMW12A	4500 S2 F-2011	T	0 mL	9.80 mL	9.8 mL	2.5 mL	250 mL	250 mL
680-99170-D-6	SMSSW03	4500 S2 F-2011	T	0 mL	9.85 mL	9.85 mL	2.5 mL	250 mL	250 mL
680-99170-D-7	SMSMW04A	4500 S2 F-2011	T	0 mL	17.00 mL	17 mL	2.5 mL	250 mL	250 mL
680-99170-D-8	SMSMW01A	4500 S2 F-2011	T	0 mL	12.85 mL	12.85 mL	2.5 mL	250 mL	250 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	Final pH	SulfideCheck	CalcMsg	SulfideLCS 00335	
MB 680-319309/1		4500 S2 F-2011		7 SU	<2 SU	N	OK		
LCS 680-319309/2		4500 S2 F-2011		>9 SU	<2 SU	N	OK	240 uL	
680-99170-D-3	SMSMW02A	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99170-E-3 DU	SMSMW02A	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99170-D-4	SMSMW12A	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99170-D-6	SMSSW03	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99170-D-7	SMSMW04A	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99170-D-8	SMSMW01A	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 319309 Batch Start Date: 03/12/14 12:44 Batch Analyst: Orr, Ashley J

Batch Method: 4500 S2 F-2011 Batch End Date: 03/12/14 13:44

Batch Notes	
First End time	03/12/14 13:44
Lot # of hydrochloric acid	3396327
Iodine Lot Number	3402248
Iodine Vendor	Ricca
Normality of Iodine Solution	0.097944897 N
Lead Acetate Paper Lot #	3375790
Sodium Thiosulfate Lot Number	3435654
Sodium Thiosulfate Vendor	Ricca
Nominal Amount Used	250 mL
pH Strip Lot #	3376411; 3451802
Pipette ID	GE2
Perform Calculation (0=No, 1=Yes)	1
Starch Lot Number	3143480
Starch Vendor	Fisher
First Start time	03/12/14 12:44
Normality of first Titrant	0.024985943 N
Titrant Standardization Date	03.12.14

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 319820 Batch Start Date: 03/15/14 11:02 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2320B-2011 Batch End Date: 03/15/14 14:46

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	7.0 PH BUF 00136	AlkalinityLCS 00026			
MB 680-319820/5		2320B-2011		InitialAmount is blank					
LCS 680-319820/6		2320B-2011		InitialAmount is blank		25 mL			
680-99170-B-2	SMSMW03B	2320B-2011	T	InitialAmount is blank					
680-99170-B-4	SMSMW12A	2320B-2011	T	InitialAmount is blank					
680-99170-B-8	SMSMW01A	2320B-2011	T	InitialAmount is blank					
680-99170-B-8 DU	SMSMW01A	2320B-2011	T	InitialAmount is blank					
CCV 680-319820/26		2320B-2011		InitialAmount is blank	25 mL				
680-99170-B-1	SMSMW08A	2320B-2011	T	InitialAmount is blank					
680-99170-B-7	SMSMW04A	2320B-2011	T	InitialAmount is blank					
680-99170-B-3	SMSMW02A	2320B-2011	T	InitialAmount is blank					
680-99170-B-6	SMSSW03	2320B-2011	T	InitialAmount is blank					
CCV 680-319820/31		2320B-2011		InitialAmount is blank	25 mL				
LCSD 680-319820/32		2320B-2011		InitialAmount is blank		25 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 319820 Batch Start Date: 03/15/14 11:02 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2320B-2011 Batch End Date: 03/15/14 14:46

Batch Notes	
pH Buffer 1 ID	3417903
pH Buffer 2 ID	3435979
pH Buffer 3 ID	3335847
First End time	14:46
Sulfuric Acid Lot Number	0000042171
Sulfuric Acid Vendor	JT Baker
Nominal Amount Used	25 mL
Pipette ID	PC Titrate
Probe ID	PC Titrate
First Start time	11:02
Normality of first Titrant	0.02 N

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 319350 Batch Start Date: 03/12/14 14:36 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2540C-2011 Batch End Date: 03/13/14 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Conductivity	CrucibleID	InitialAmount	TareWeight	Weight1	Weight2
MB 680-319350/1		2540C-2011			a	100 mL	95.3589 g	95.3588 g	95.3588 g
LCS 680-319350/2		2540C-2011			b	100 mL	97.0244 g	97.0339 g	97.0339 g
LCSD 680-319350/3		2540C-2011			c	100 mL	85.9142 g	85.9258 g	85.9257 g
680-99170-B-8	SMSMW01A	2540C-2011	T	12440 umhos/cm	l	1 mL	72.3073 g	72.3235 g	72.3233 g
680-99170-B-1	SMSMW08A	2540C-2011	T	5250 umhos/cm	m	10 mL	72.9425 g	72.9732 g	72.9731 g
680-99170-B-4	SMSMW12A	2540C-2011	T	1963 umhos/cm	n	50 mL	72.4444 g	72.5056 g	72.5057 g
680-99170-B-2	SMSMW03B	2540C-2011	T	16670 umhos/cm	o	1 mL	75.4474 g	75.5059 g	75.5059 g
680-99170-B-6	SMSSW03	2540C-2011	T	1501 umhos/cm	p	50 mL	77.6882 g	77.7336 g	77.7336 g
680-99170-B-3	SMSMW02A	2540C-2011	T	7480 umhos/cm	q	5 mL	79.2069 g	79.2305 g	79.2306 g
680-99170-B-7	SMSMW04A	2540C-2011	T	13530 umhos/cm	r	1 mL	68.2503 g	68.2682 g	68.2682 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	Weight3	WeightOne%Diff	Residue	Residue2	FinalAmount	TS/TDS LCS 00227
MB 680-319350/1		2540C-2011		0 g	PASS_D	-0.00010 g	-0.00010 g	100 mL	
LCS 680-319350/2		2540C-2011		0 g	PASS_D	0.00950 g	0.00950 g	100 mL	100 mL
LCSD 680-319350/3		2540C-2011		0 g	PASS_D	0.01160 g	0.01150 g	100 mL	100 mL
680-99170-B-8	SMSMW01A	2540C-2011	T	0 g	PASS_D	0.01620 g	0.01600 g	100 mL	
680-99170-B-1	SMSMW08A	2540C-2011	T	0 g	PASS_D	0.03070 g	0.03060 g	100 mL	
680-99170-B-4	SMSMW12A	2540C-2011	T	0 g	PASS_D	0.06120 g	0.06130 g	100 mL	
680-99170-B-2	SMSMW03B	2540C-2011	T	0 g	PASS_D	0.05850 g	0.05850 g	100 mL	
680-99170-B-6	SMSSW03	2540C-2011	T	0 g	PASS_D	0.04540 g	0.04540 g	100 mL	
680-99170-B-3	SMSMW02A	2540C-2011	T	0 g	PASS_D	0.02360 g	0.02370 g	100 mL	
680-99170-B-7	SMSMW04A	2540C-2011	T	0 g	PASS_D	0.01790 g	0.01790 g	100 mL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 319350 Batch Start Date: 03/12/14 14:36 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2540C-2011 Batch End Date: 03/13/14 14:00

Batch Notes	
Balance ID	13
Conductivity Meter ID	PC Titrate
Constant Weight (WT2) Date/Time in Oven	03.13.14/1300
Constant Weight (WT2) Date/Time Out	03.13.14/1400
Constant Weight (WT2) Temp In	180 Celsius
Constant Weight (WT2) Temp Out	180 Celsius
Uncorrected CW (Wt2) Temp In	180 Celsius
Uncorrected CW (Wt2) Temp Out	180 Celsius
Filter Paper Lot Number	1827-047
Date samples were placed in the oven	3-12-14
Oven Temp when samples are put in oven	103 Celsius
Nominal Amount Used	100 mL
Date samples were removed from oven	03.13.14/1130@180
Oven Temp when samples removed from oven	180 Celsius
Oven ID	C
ID number of the thermometer	GEO4-A
Uncorrected In Temperature	103 Celsius
Uncorrected Out Temperature	180 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 318406 Batch Start Date: 03/05/14 08:48 Batch Analyst: Pulley, Christopher M

Batch Method: 5310 B-2011 Batch End Date: 03/05/14 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TOC LCS/ICV 00025			
ICV 680-318406/1		5310 B-2011		25 mL	25	25 mL			

Batch Notes	
Pipette ID	GE6
Sulfuric Acid Reagent ID Number	50% H2SO4_00001

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 319881 Batch Start Date: 03/15/14 15:51 Batch Analyst: Ross, Jon E

Batch Method: 5310 B-2011 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TOC LCS/ICV 00026			
ICV 680-319881/1		5310 B-2011		25 mL	25	25 mL			

Batch Notes	
Pipette ID	GE6
Sulfuric Acid Reagent ID Number	50% h2so4 00001

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 319885 Batch Start Date: 03/14/14 11:11 Batch Analyst: Ross, Jon E

Batch Method: 5310 B-2011 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TOC LCS/ICV 00026	TOCCALSTD4 00066		
CCV 680-319885/25		5310 B-2011		25 mL	25		25 mL		
MB 680-319885/26		5310 B-2011		25 mL	25				
LCS 680-319885/32		5310 B-2011		25 mL	25	25 mL			
LCSD 680-319885/33		5310 B-2011		25 mL	25	25 mL			
CCV 680-319885/37		5310 B-2011		25 mL	25		25 mL		
CCB 680-319885/38		5310 B-2011		25 mL	25				
CCV 680-319885/49		5310 B-2011		25 mL	25		25 mL		
CCB 680-319885/50		5310 B-2011		25 mL	25				
680-99170-H-1	SMSMW08A	5310 B-2011	T	25 mL	25				
680-99170-H-2	SMSMW03B	5310 B-2011	T	25 mL	25				
680-99170-H-4	SMSMW12A	5310 B-2011	T	25 mL	25				
CCV 680-319885/61		5310 B-2011		25 mL	25		25 mL		
CCB 680-319885/62		5310 B-2011		25 mL	25				

Batch Notes	
Pipette ID	GE6
Sulfuric Acid Reagent ID Number	50% h2so4 00001

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 319886 Batch Start Date: 03/14/14 11:11 Batch Analyst: Ross, Jon E

Batch Method: 5310 B-2011 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TOC Cal stk 00003	TOC LCS/ICV 00026	TOCCALSTD4 00066	
CCV 680-319886/61		5310 B-2011		25 mL	25			25 mL	
MB 680-319886/62		5310 B-2011		25 mL	25				
LCS 680-319886/63		5310 B-2011		25 mL	25		25 mL		
LCSD 680-319886/64		5310 B-2011		25 mL	25		25 mL		
680-99170-I-6	SMSSW03	5310 B-2011	T	25 mL	25				
680-99170-J-6 MS	SMSSW03	5310 B-2011	T	25 mL	25	0.25 mL			
680-99170-J-6 MSD	SMSSW03	5310 B-2011	T	25 mL	25	0.25 mL			
680-99170-J-7	SMSMW04A	5310 B-2011	T	25 mL	25				
680-99170-J-8	SMSMW01A	5310 B-2011	T	25 mL	25				
CCV 680-319886/73		5310 B-2011		25 mL	25			25 mL	
CCB 680-319886/74		5310 B-2011		25 mL	25				
CCV 680-319886/85		5310 B-2011		25 mL	25			25 mL	
CCB 680-319886/86		5310 B-2011		25 mL	25				

Batch Notes	
Pipette ID	GE6
Sulfuric Acid Reagent ID Number	50% h2so4 00001

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99170-1

SDG No.: 68099170-1

Batch Number: 320062 Batch Start Date: 03/17/14 13:19 Batch Analyst: Pulley, Christopher M

Batch Method: 5310 B-2011 Batch End Date: 03/17/14 20:04

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TOC LCS/ICV 00026	TOCCALSTD4 00066		
CCV 680-320062/1		5310 B-2011		25 mL	25		25 mL		
MB 680-320062/2		5310 B-2011		25 mL	25				
LCS 680-320062/5		5310 B-2011		25 mL	25	25 mL			
LCSD 680-320062/6		5310 B-2011		25 mL	25	25 mL			
CCV 680-320062/13		5310 B-2011		25 mL	25		25 mL		
CCB 680-320062/14		5310 B-2011		25 mL	25				
680-99170-C-3	SMSMW02A	5310 B-2011	T	25 mL	25				
CCV 680-320062/25		5310 B-2011		25 mL	25		25 mL		
CCB 680-320062/26		5310 B-2011		25 mL	25				

Batch Notes	
Pipette ID	GE6
Sulfuric Acid Reagent ID Number	50% H2SO4_00001

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Serial Number 85010

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)	PAGE	OF
Smokey Mtn Smelter	073-01-CA	TN	1	1
TAL (LAB) PROJECT MANAGER: Sheila Hoffman	P.O. NUMBER	CONTRACT NO.	STANDARD REPORT DELIVERY ✓	
CLIENT (SITE) PM: Janice Austin	CLIENT PHONE: 404.443.2777	CLIENT FAX	DATE DUE	
CLIENT NAME: JM Waller	CLIENT E-MAIL: janice.austin@jmwaller.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ○	
CLIENT ADDRESS: 100 Hartsfield Centre Pkwy Ste 610, Atlanta GA 30354			DATE DUE	
COMPANY CONTRACTING THIS WORK (if applicable):			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	

PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	chloride/sulfate/fluoride (300.0) NO2/NO3 (353.2)	Ammonia (350.1)	Alkalinity (310.1)	Total Diss. Solids (160.1)	Sulfide (376.1)	Total Organic Carbon (415.1)	Ortho Phosphate (365.1)	Chromium hexavalent (7196A)		REMARKS
								None	H2SO4	None	None	NaOH	H2SO4	None	None		
3/5/14	0940	SMSMW08A						1	1	1	1	2	3	1	X		24 hr hold CRVI 48 hr hold orthophosphate NO2/NO3
	1045	SMSMW03B						↓	↓	↓	↓	↓	↓	↓	X		
	1020	SMSMW02A						↓	↓	↓	↓	↓	↓	↓	X		
	1145	SMSMW12A						↓	↓	↓	↓	↓	↓	↓	X		
	1400	SMSDPTRB030514						↓	↓	↓	↓	↓	↓	↓	↓		No Sample per client BD 3-6-14
	1345	SMSSW03						↓	↓	↓	↓	↓	↓	↓	X		
	1344	SMSMW04A						↓	↓	↓	↓	↓	↓	↓	X		
	1435	SMSMW01A						↓	↓	↓	↓	↓	↓	↓	X		✓ = does not need CR-6 analysis per client BD 3-6-14

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	3/5/14	1630						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME		DATE	TIME
[signature]	3/5/14	1630						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.
[signature]	03/06/14	0953	YES ○ NO ○		99170

680-99170 Chain of Custody

1H/1.6°C

TAL8240-680 (1008)

Serial Number 85010

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)	PAGE	OF
Smokey Mtn Smelter	073-01-09	TN	1	1

TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Sheila Hoffman		

CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Janice Austin	404.443.2777	

CLIENT NAME	CLIENT E-MAIL
JMWaller	janice.austin@jmwaller.com

CLIENT ADDRESS: 100 Hartsfield Centre Pkwy Suite 610, Atlanta GA 30354

COMPANY CONTRACTING THIS WORK (if applicable):

STANDARD REPORT DELIVERY: X

DATE DUE:

EXPEDITED REPORT DELIVERY (SURCHARGE): ○

DATE DUE:

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE — COMPOSITE (C) OR GRAB (G) INDICATE: AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS — NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	Chloride/Sulfate/Fluoride (300.0)	Ammonia (350.1)	Alkalinity (310.1)	Total Diss. Solids (160.1)	Sulfide (376.1/9034)	Total Organic Carbon (9060)	Ortho Phosphate (365.1)	Chromium Hexavalent (7196A)	REMARKS
			None	H2SO4	none	none	NaOH	H2SO4	None	None	
3/5/14	0940	SMSMW03A	1	1	1	1	2	3	1	1	24 hr hold CrVI 48 hr hold orthophosphate NO2/NO3
	1045	SMSMW03B	1	1	1	1	1	1	1	1	
	1020	SMSMW02A	1	1	1	1	1	1	1	1	
	1145	SMSMW12A	1	1	1	1	1	1	1	1	
	1400	SMSDPTRB030514	1	1	1	1	1	1	1	1	
	1345	SMSSW03	1	1	1	1	1	1	1	1	
	1344	SMSMW04A	1	1	1	1	1	1	1	1	
	1435	SMSMW01A	1	1	1	1	1	1	1	1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	3/5/14	1630						

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	DATE	TIME
[signature]	3/5/14	1630					

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.
[signature]	03/06/14	0953	YES ○ NO ○		99170

680-99170 Chain of Custody

1H/1.6°C

TAL 8240-680 (1008)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-99170-1
TestAmerica Sample Delivery Group: 68099170-1
Client Project/Site: Smokey Mountain Smelter

For:
J.M. Waller Associates, Inc.
100 Hartsfield Centre Parkway, Ste 610
Atlanta, Georgia 30354

Attn: Linda Nyland

Authorized for release by:
3/21/2014 5:21:52 PM

Sheila Hoffman, Project Manager II
(912)354-7858 e.3004
sheila.hoffman@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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.

Definitions/Glossary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99170-1
SDG: 68099170-1

Qualifiers

HPLC/IC

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.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
H	Sample was prepped or analyzed beyond the specified holding time

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
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)

Method Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99170-1
SDG: 68099170-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	TAL SAV
2320B-2011	Alkalinity, Total	SM	TAL SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	TAL SAV
350.1	Nitrogen, Ammonia	MCAWW	TAL SAV
365.1	Phosphorus, Ortho	EPA	TAL SAV
4500 S2 F-2011	Sulfide, Total	SM	TAL SAV
5310 B-2011	Organic Carbon, Total (TOC)	SM	TAL SAV
7196A	Chromium, Hexavalent	SW846	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

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

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99170-1
SDG: 68099170-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-99170-1	SMSMW08A	Water	03/05/14 09:40	03/06/14 09:53
680-99170-2	SMSMW03B	Water	03/05/14 10:45	03/06/14 09:53
680-99170-3	SMSMW02A	Water	03/05/14 10:20	03/06/14 09:53
680-99170-4	SMSMW12A	Water	03/05/14 11:45	03/06/14 09:53
680-99170-6	SMSSW03	Water	03/05/14 13:45	03/06/14 09:53
680-99170-7	SMSMW04A	Water	03/05/14 13:44	03/06/14 09:53
680-99170-8	SMSMW01A	Water	03/05/14 14:35	03/06/14 09:53

Job ID: 680-99170-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: J.M. Waller Associates, Inc.

Project: Smokey Mountain Smelter

Report Number: 680-99170-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 03/06/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.4, 1.6 C.

HEXAVALENT CHROMIUM

Sample SMSMW12A (680-99170-4) was analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The samples were analyzed on 03/06/2014.

The following sample was analyzed outside of analytical holding time due to laboratory error.SMSMW12A (680-99170-4).

No difficulties were encountered during the hexavalent chromium analysis.

All quality control parameters were within the acceptance limits.

ALKALINITY

Samples SMSMW08A (680-99170-1), SMSMW03B (680-99170-2), SMSMW02A (680-99170-3), SMSMW12A (680-99170-4), SMSSW03 (680-99170-6), SMSMW04A (680-99170-7) and SMSMW01A (680-99170-8) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 03/15/2014.

No difficulties were encountered during the alkalinity analysis.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS

Samples SMSMW08A (680-99170-1), SMSMW03B (680-99170-2), SMSMW02A (680-99170-3), SMSMW12A (680-99170-4), SMSSW03 (680-99170-6), SMSMW04A (680-99170-7) and SMSMW01A (680-99170-8) were analyzed for total dissolved solids in accordance with SM 2540C. The samples were analyzed on 03/12/2014.

No difficulties were encountered during the TDS analysis.

All quality control parameters were within the acceptance limits.

ANIONS BY ION CHROMATOGRAPHY (28 DAY)

Samples SMSMW08A (680-99170-1), SMSMW03B (680-99170-2), SMSMW02A (680-99170-3), SMSMW12A (680-99170-4), SMSSW03 (680-99170-6), SMSMW04A (680-99170-7) and SMSMW01A (680-99170-8) were analyzed for Anions by Ion Chromatography (28 Day) in accordance with EPA Method 300.0. The samples were analyzed on 03/13/2014, 03/14/2014 and 03/15/2014.

Job ID: 680-99170-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Samples SMSMW08A (680-99170-1)[5X], SMSMW08A (680-99170-1)[50X], SMSMW03B (680-99170-2)[1000X], SMSMW03B (680-99170-2)[250X], SMSMW02A (680-99170-3)[100X], SMSMW02A (680-99170-3)[5X], SMSMW12A (680-99170-4)[10X], SMSSW03 (680-99170-6)[10X], SMSSW03 (680-99170-6)[2X], SMSMW04A (680-99170-7)[25X], SMSMW04A (680-99170-7)[500X], SMSMW01A (680-99170-8)[25X] and SMSMW01A (680-99170-8)[500X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the Anions analysis.

All quality control parameters were within the acceptance limits.

ANIONS BY ION CHROMATOGRAPHY (48 HOUR)

Samples SMSMW08A (680-99170-1), SMSMW03B (680-99170-2), SMSMW02A (680-99170-3), SMSMW12A (680-99170-4), SMSSW03 (680-99170-6), SMSMW04A (680-99170-7) and SMSMW01A (680-99170-8) were analyzed for Anions by Ion Chromatography (48 Hour) in accordance with EPA Method 300.0. The samples were analyzed on 03/06/2014 and 03/07/2014.

Reanalysis of the following sample was performed outside of the analytical holding time due to the abundance of non-target analytes: SMSMW03B (680-99170-2).

Samples SMSMW03B (680-99170-2)[50X], SMSMW02A (680-99170-3)[2X], SMSMW12A (680-99170-4)[2X], SMSMW12A (680-99170-4)[20X], SMSSW03 (680-99170-6)[2X], SMSMW04A (680-99170-7)[2X], SMSMW04A (680-99170-7)[20X], SMSMW01A (680-99170-8)[4X] and SMSMW01A (680-99170-8)[40X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the Anions analysis.

All quality control parameters were within the acceptance limits.

AMMONIA

Samples SMSMW08A (680-99170-1), SMSMW03B (680-99170-2), SMSMW02A (680-99170-3), SMSMW12A (680-99170-4), SMSSW03 (680-99170-6), SMSMW04A (680-99170-7) and SMSMW01A (680-99170-8) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 03/15/2014.

Samples SMSMW08A (680-99170-1)[20X], SMSMW03B (680-99170-2)[100X], SMSMW02A (680-99170-3)[100X], SMSMW04A (680-99170-7)[100X] and SMSMW01A (680-99170-8)[200X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the ammonia analysis.

All quality control parameters were within the acceptance limits.

ORTHOPHOSPHATE

Samples SMSMW08A (680-99170-1), SMSMW03B (680-99170-2), SMSMW02A (680-99170-3), SMSMW12A (680-99170-4), SMSSW03 (680-99170-6), SMSMW04A (680-99170-7) and SMSMW01A (680-99170-8) were analyzed for orthophosphate in accordance with EPA Method 365.1. The samples were analyzed on 03/06/2014.

Sample SMSMW08A (680-99170-1)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the orthophosphate analysis.

All other quality control parameters were within the acceptance limits.

SULFIDE

Samples SMSMW08A (680-99170-1), SMSMW03B (680-99170-2), SMSMW02A (680-99170-3), SMSMW12A (680-99170-4), SMSSW03 (680-99170-6), SMSMW04A (680-99170-7) and SMSMW01A (680-99170-8) were analyzed for sulfide in accordance with SM 4500 S2 F. The samples were analyzed on 03/06/2014 and 03/12/2014.

Job ID: 680-99170-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

No difficulties were encountered during the sulfide analysis.

All quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON

Samples SMSMW08A (680-99170-1), SMSMW03B (680-99170-2), SMSMW02A (680-99170-3), SMSMW12A (680-99170-4), SMSSW03 (680-99170-6), SMSMW04A (680-99170-7) and SMSMW01A (680-99170-8) were analyzed for total organic carbon in accordance with SM 5310B. The samples were analyzed on 03/15/2014 and 03/17/2014.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Sample SMSMW02A (680-99170-3)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the TOC analysis.

All other quality control parameters were within the acceptance limits.

Client Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99170-1
SDG: 68099170-1

Client Sample ID: SMSMW08A

Lab Sample ID: 680-99170-1

Date Collected: 03/05/14 09:40
Date Received: 03/06/14 09:53

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	0.12	J	0.17	0.082	mg/L			03/06/14 16:11	1
Sulfate	76		2.5	1.3	mg/L			03/13/14 23:51	5
Fluoride	180		5.0	1.3	mg/L			03/14/14 00:34	50
Nitrate as NO3	<0.11		0.22	0.11	mg/L			03/06/14 16:11	1
Chloride	1500		25	13	mg/L			03/14/14 00:34	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	46		1.0	0.52	mg/L			03/15/14 11:09	20
ortho-Phosphate	1.9		0.10	0.032	mg/L			03/06/14 15:40	2
Total Organic Carbon	15		1.0	0.50	mg/L			03/15/14 03:12	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	780		5.0	5.0	mg/L			03/15/14 14:07	1
Total Dissolved Solids	3100		50	50	mg/L			03/12/14 14:36	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 15:18	1

Client Sample ID: SMSMW03B

Lab Sample ID: 680-99170-2

Date Collected: 03/05/14 10:45
Date Received: 03/06/14 09:53

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1700		130	63	mg/L			03/14/14 13:35	250
Fluoride	<6.3		25	6.3	mg/L			03/14/14 13:35	250
Chloride	48000		500	250	mg/L			03/14/14 01:03	1000

Method: 300.0 - Anions, Ion Chromatography - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<4.1	H	8.5	4.1	mg/L			03/07/14 11:48	50
Nitrate as NO3	<5.5	H	11	5.5	mg/L			03/07/14 11:48	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	170		5.0	2.6	mg/L			03/15/14 11:09	100
ortho-Phosphate	<0.016		0.050	0.016	mg/L			03/06/14 14:23	1
Total Organic Carbon	18		1.0	0.50	mg/L			03/15/14 03:26	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	570		5.0	5.0	mg/L			03/15/14 13:25	1
Total Dissolved Solids	59000		500	500	mg/L			03/12/14 14:36	1
Sulfide	2.6		1.0	1.0	mg/L			03/06/14 15:18	1

Client Sample ID: SMSMW02A

Lab Sample ID: 680-99170-3

Date Collected: 03/05/14 10:20
Date Received: 03/06/14 09:53

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.16		0.34	0.16	mg/L			03/06/14 17:13	2
Sulfate	<1.3		2.5	1.3	mg/L			03/14/14 02:44	5
Fluoride	310		10	2.5	mg/L			03/14/14 03:27	100

Client Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99170-1
SDG: 68099170-1

Client Sample ID: SMSMW02A

Lab Sample ID: 680-99170-3
Date Collected: 03/05/14 10:20
Matrix: Water
Date Received: 03/06/14 09:53

Method: 300.0 - Anions, Ion Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as NO3	<0.22		0.44	0.22	mg/L			03/06/14 17:13	2
Chloride	2700		50	25	mg/L			03/14/14 03:27	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	120		5.0	2.6	mg/L			03/15/14 11:09	100
ortho-Phosphate	1.3		0.050	0.016	mg/L			03/06/14 14:23	1
Total Organic Carbon	240		5.0	2.5	mg/L			03/17/14 17:59	5

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	960		5.0	5.0	mg/L			03/15/14 14:28	1
Total Dissolved Solids	4700		100	100	mg/L			03/12/14 14:36	1
Sulfide	5.0		1.0	1.0	mg/L			03/12/14 12:44	1

Client Sample ID: SMSMW12A

Lab Sample ID: 680-99170-4
Date Collected: 03/05/14 11:45
Matrix: Water
Date Received: 03/06/14 09:53

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	0.17	J	0.34	0.16	mg/L			03/06/14 21:20	2
Sulfate	200		5.0	2.5	mg/L			03/14/14 03:56	10
Fluoride	0.15		0.10	0.025	mg/L			03/13/14 00:01	1
Nitrate as NO3	80		4.4	2.2	mg/L			03/06/14 17:28	20
Chloride	290		5.0	2.5	mg/L			03/14/14 03:56	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	1.1		0.050	0.026	mg/L			03/15/14 10:52	1
ortho-Phosphate	0.018	J	0.050	0.016	mg/L			03/06/14 14:23	1
Total Organic Carbon	2.0		1.0	0.50	mg/L			03/15/14 03:59	1
Chromium, hexavalent	0.0030	J H	0.010	0.0030	mg/L			03/06/14 13:39	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	390		5.0	5.0	mg/L			03/15/14 13:33	1
Total Dissolved Solids	1200		10	10	mg/L			03/12/14 14:36	1
Sulfide	<1.0		1.0	1.0	mg/L			03/12/14 12:44	1

Client Sample ID: SMSSW03

Lab Sample ID: 680-99170-6
Date Collected: 03/05/14 13:45
Matrix: Water
Date Received: 03/06/14 09:53

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.16		0.34	0.16	mg/L			03/06/14 17:44	2
Sulfate	74		1.0	0.50	mg/L			03/13/14 00:16	2
Fluoride	12		0.20	0.050	mg/L			03/13/14 00:16	2
Nitrate as NO3	15		0.44	0.22	mg/L			03/06/14 17:44	2
Chloride	330		5.0	2.5	mg/L			03/14/14 14:04	10

Client Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99170-1
SDG: 68099170-1

Client Sample ID: SMSSW03

Lab Sample ID: 680-99170-6
Date Collected: 03/05/14 13:45
Matrix: Water
Date Received: 03/06/14 09:53

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.94		0.050	0.026	mg/L			03/15/14 10:52	1
ortho-Phosphate	0.018	J	0.050	0.016	mg/L			03/06/14 14:23	1
Total Organic Carbon	3.2		1.0	0.50	mg/L			03/15/14 05:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	140		5.0	5.0	mg/L			03/15/14 14:35	1
Total Dissolved Solids	910		10	10	mg/L			03/12/14 14:36	1
Sulfide	<1.0		1.0	1.0	mg/L			03/12/14 12:44	1

Client Sample ID: SMSMW04A

Lab Sample ID: 680-99170-7
Date Collected: 03/05/14 13:44
Matrix: Water
Date Received: 03/06/14 09:53

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.16		0.34	0.16	mg/L			03/06/14 21:35	2
Sulfate	640		13	6.3	mg/L			03/14/14 15:02	25
Fluoride	0.79	J	2.5	0.63	mg/L			03/14/14 15:02	25
Nitrate as NO3	110		4.4	2.2	mg/L			03/06/14 17:59	20
Chloride	13000		250	130	mg/L			03/15/14 03:45	500

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	100		5.0	2.6	mg/L			03/15/14 11:09	100
ortho-Phosphate	0.022	J	0.050	0.016	mg/L			03/06/14 14:23	1
Total Organic Carbon	3.6		1.0	0.50	mg/L			03/15/14 06:03	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	320		5.0	5.0	mg/L			03/15/14 14:16	1
Total Dissolved Solids	18000		500	500	mg/L			03/12/14 14:36	1
Sulfide	<1.0		1.0	1.0	mg/L			03/12/14 12:44	1

Client Sample ID: SMSMW01A

Lab Sample ID: 680-99170-8
Date Collected: 03/05/14 14:35
Matrix: Water
Date Received: 03/06/14 09:53

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.33		0.68	0.33	mg/L			03/06/14 21:50	4
Sulfate	750		13	6.3	mg/L			03/14/14 15:45	25
Fluoride	12		2.5	0.63	mg/L			03/14/14 15:45	25
Nitrate as NO3	230		8.8	4.4	mg/L			03/06/14 18:15	40
Chloride	11000		250	130	mg/L			03/15/14 04:00	500

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	200		10	5.2	mg/L			03/15/14 13:02	200
ortho-Phosphate	0.020	J	0.050	0.016	mg/L			03/06/14 14:30	1
Total Organic Carbon	6.3		1.0	0.50	mg/L			03/15/14 06:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	640		5.0	5.0	mg/L			03/15/14 13:43	1
Total Dissolved Solids	16000		500	500	mg/L			03/12/14 14:36	1

Client Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99170-1
SDG: 68099170-1

Client Sample ID: SMSMW01A

Lab Sample ID: 680-99170-8

Date Collected: 03/05/14 14:35
Matrix: Water
Date Received: 03/06/14 09:53

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			03/12/14 12:44	1

QC Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99170-1
SDG: 68099170-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 680-318480/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318480

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			03/06/14 10:06	1
Nitrate as NO3	<0.11		0.22	0.11	mg/L			03/06/14 10:06	1

Lab Sample ID: LCS 680-318480/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318480

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as NO2	3.28	3.26		mg/L		99	90 - 110
Nitrate as NO3	4.42	4.30		mg/L		97	90 - 110

Lab Sample ID: LCSD 680-318480/7 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318480

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as NO2	3.28	3.28		mg/L		100	90 - 110	1	30
Nitrate as NO3	4.42	4.32		mg/L		98	90 - 110	0	30

Lab Sample ID: 680-99170-1 MS — **Client Sample ID: SMSMW08A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318480

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as NO2	0.12	J	3.28	2.86		mg/L		84	80 - 120
Nitrate as NO3	<0.11		4.42	4.22		mg/L		95	80 - 120

Lab Sample ID: 680-99170-1 MSD — **Client Sample ID: SMSMW08A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318480

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as NO2	0.12	J	3.28	2.89		mg/L		84	80 - 120	1	30
Nitrate as NO3	<0.11		4.42	4.21		mg/L		95	80 - 120	0	30

Lab Sample ID: MB 680-318581/31 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318581

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			03/06/14 19:01	1

Lab Sample ID: LCS 680-318581/32 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318581

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as NO2	3.28	3.20		mg/L		98	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 680-318581/33 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318581

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as NO2	3.28	3.22		mg/L		98	90 - 110	1	30

Lab Sample ID: MB 680-318770/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318770

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			03/07/14 10:46	1
Nitrate as NO3	<0.11		0.22	0.11	mg/L			03/07/14 10:46	1

Lab Sample ID: LCS 680-318770/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318770

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as NO2	3.28	3.17		mg/L		97	90 - 110
Nitrate as NO3	4.42	4.21		mg/L		95	90 - 110

Lab Sample ID: LCSD 680-318770/7 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318770

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as NO2	3.28	3.17		mg/L		96	90 - 110	0	30
Nitrate as NO3	4.42	4.20		mg/L		95	90 - 110	0	30

Lab Sample ID: MB 680-319351/46 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319351

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.25		0.50	0.25	mg/L			03/12/14 22:06	1
Fluoride	<0.025		0.10	0.025	mg/L			03/12/14 22:06	1

Lab Sample ID: LCS 680-319351/47 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319351

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	10.2		mg/L		102	90 - 110
Fluoride	2.00	2.08		mg/L		104	90 - 110

Lab Sample ID: LCSD 680-319351/48 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319351

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	10.0	10.1		mg/L		101	90 - 110	1	30
Fluoride	2.00	2.06		mg/L		103	90 - 110	1	30

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 680-99170-1 MS — **Client Sample ID: SMSMW08A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319351

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	76		10.0	85.6	E 4	mg/L		94	80 - 120

Lab Sample ID: 680-99170-1 MSD — **Client Sample ID: SMSMW08A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319351

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	76		10.0	85.6	E 4	mg/L		94	80 - 120	0	30

Lab Sample ID: MB 680-319563/32 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319563

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.25		0.50	0.25	mg/L			03/13/14 22:25	1
Fluoride	<0.025		0.10	0.025	mg/L			03/13/14 22:25	1
Chloride	<0.25		0.50	0.25	mg/L			03/13/14 22:25	1

Lab Sample ID: LCS 680-319563/33 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319563

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	10.3		mg/L		103	90 - 110
Fluoride	2.00	2.09		mg/L		105	90 - 110
Chloride	10.0	10.1		mg/L		101	90 - 110

Lab Sample ID: LCSD 680-319563/34 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319563

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	10.0	10.1		mg/L		101	90 - 110	1	30
Fluoride	2.00	2.05		mg/L		103	90 - 110	2	30
Chloride	10.0	9.95		mg/L		99	90 - 110	1	30

Lab Sample ID: MB 680-319653/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319653

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.25		0.50	0.25	mg/L			03/14/14 11:55	1
Fluoride	<0.025		0.10	0.025	mg/L			03/14/14 11:55	1
Chloride	<0.25		0.50	0.25	mg/L			03/14/14 11:55	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 680-319653/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319653

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	10.3		mg/L		103	90 - 110
Fluoride	2.00	2.07		mg/L		103	90 - 110
Chloride	10.0	9.92		mg/L		99	90 - 110

Lab Sample ID: LCSD 680-319653/7 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319653

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	10.0	10.5		mg/L		105	90 - 110	1	30
Fluoride	2.00	2.12		mg/L		106	90 - 110	3	30
Chloride	10.0	10.1		mg/L		101	90 - 110	1	30

Lab Sample ID: MB 680-319688/44 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.25		0.50	0.25	mg/L			03/14/14 21:16	1

Lab Sample ID: LCS 680-319688/45 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	10.0		mg/L		100	90 - 110

Lab Sample ID: LCSD 680-319688/46 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319688

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.0	9.99		mg/L		100	90 - 110	0	30

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-319820/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319820

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<5.0		5.0	5.0	mg/L			03/15/14 11:31	1

Lab Sample ID: LCS 680-319820/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319820

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	250	214		mg/L		85	80 - 120

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: LCSD 680-319820/32 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319820

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity			250	236		mg/L		94	80 - 120	10	30

Lab Sample ID: 680-99170-8 DU — **Client Sample ID: SMSMW01A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319820

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	640			592		mg/L				8	30

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-319350/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319350

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.0		5.0	5.0	mg/L			03/12/14 14:36	1

Lab Sample ID: LCS 680-319350/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319350

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			109	95.0		mg/L		87	80 - 120		

Lab Sample ID: LCSD 680-319350/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319350

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			109	115		mg/L		106	80 - 120	19	25

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 680-319784/12 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319784

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.026		0.050	0.026	mg/L			03/15/14 10:52	1

Lab Sample ID: LCS 680-319784/11 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319784

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			1.00	1.01		mg/L		101	90 - 110		

QC Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99170-1
SDG: 68099170-1

Method: 365.1 - Phosphorus, Ortho

Lab Sample ID: MB 680-318579/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318579

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ortho-Phosphate	<0.016		0.050	0.016	mg/L			03/06/14 14:23	1

Lab Sample ID: LCS 680-318579/1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318579

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
ortho-Phosphate	1.20	1.23		mg/L		102	90 - 110

Lab Sample ID: 680-99170-1 MS — **Client Sample ID: SMSMW08A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318579

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
ortho-Phosphate	1.9		1.00	2.89		mg/L		102	90 - 110

Lab Sample ID: 680-99170-1 MSD — **Client Sample ID: SMSMW08A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318579

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
ortho-Phosphate	1.9		1.00	2.84		mg/L		98	90 - 110	1	30

Lab Sample ID: MB 680-318580/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318580

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ortho-Phosphate	<0.016		0.050	0.016	mg/L			03/06/14 14:30	1

Lab Sample ID: LCS 680-318580/1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318580

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
ortho-Phosphate	1.20	1.23		mg/L		103	90 - 110

Lab Sample ID: 680-99170-8 MS — **Client Sample ID: SMSMW01A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318580

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
ortho-Phosphate	0.020	J	1.00	1.04		mg/L		102	90 - 110

Lab Sample ID: 680-99170-8 MSD — **Client Sample ID: SMSMW01A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318580

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
ortho-Phosphate	0.020	J	1.00	1.04		mg/L		102	90 - 110	1	30

QC Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99170-1
SDG: 68099170-1

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: MB 680-318547/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318547

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 15:18	1

Lab Sample ID: LCS 680-318547/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318547

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	10.0	9.83		mg/L		98	75 - 125

Lab Sample ID: LCSD 680-318547/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318547

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	10.0	9.83		mg/L		98	75 - 125	0	30

Lab Sample ID: MB 680-319309/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319309

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			03/12/14 12:44	1

Lab Sample ID: LCS 680-319309/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	10.0	9.15		mg/L		91	75 - 125

Lab Sample ID: 680-99170-3 DU — **Client Sample ID: SMSMW02A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319309

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	5.0		4.80		mg/L		3	30

Method: 5310 B-2011 - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-319885/26 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319885

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.50		1.0	0.50	mg/L			03/14/14 18:54	1

Method: 5310 B-2011 - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 680-319885/32 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319885

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	20.0	19.3		mg/L		96	80 - 120

Lab Sample ID: LCSD 680-319885/33 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319885

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	20.0	19.3		mg/L		97	80 - 120	0	25

Lab Sample ID: MB 680-319886/62 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.50		1.0	0.50	mg/L			03/15/14 04:34	1

Lab Sample ID: LCS 680-319886/63 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	20.0	19.2		mg/L		96	80 - 120

Lab Sample ID: LCSD 680-319886/64 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319886

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	20.0	19.3		mg/L		97	80 - 120	1	25

Lab Sample ID: 680-99170-6 MS — **Client Sample ID: SMSSW03**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319886

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	3.2		20.0	23.0		mg/L		99	80 - 120

Lab Sample ID: 680-99170-6 MSD — **Client Sample ID: SMSSW03**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319886

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	3.2		20.0	23.5		mg/L		101	80 - 120	2	25

Lab Sample ID: MB 680-320062/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 320062

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.50		1.0	0.50	mg/L			03/17/14 13:34	1

QC Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99170-1
SDG: 68099170-1

Lab Sample ID: LCS 680-320062/5 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 320062

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	20.0	19.1		mg/L		96	80 - 120

Lab Sample ID: LCSD 680-320062/6 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 320062

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	20.0	18.9		mg/L		94	80 - 120	2	25

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 680-318578/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.0030		0.010	0.0030	mg/L			03/06/14 13:39	1

Lab Sample ID: LCS 680-318578/1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	0.200	0.202		mg/L		101	85 - 115

Lab Sample ID: 680-99170-4 MS — **Client Sample ID: SMSMW12A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318578

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	0.0030	J H	0.200	0.208		mg/L		104	85 - 115

Lab Sample ID: 680-99170-4 MSD — **Client Sample ID: SMSMW12A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318578

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium, hexavalent	0.0030	J H	0.200	0.209		mg/L		105	85 - 115	1	20

QC Association Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99170-1
SDG: 68099170-1

HPLC/IC

Analysis Batch: 318480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-1	SMSMW08A	Total/NA	Water	300.0	
680-99170-1 MS	SMSMW08A	Total/NA	Water	300.0	
680-99170-1 MSD	SMSMW08A	Total/NA	Water	300.0	
680-99170-3	SMSMW02A	Total/NA	Water	300.0	
680-99170-4	SMSMW12A	Total/NA	Water	300.0	
680-99170-6	SMSSW03	Total/NA	Water	300.0	
680-99170-7	SMSMW04A	Total/NA	Water	300.0	
680-99170-8	SMSMW01A	Total/NA	Water	300.0	
LCS 680-318480/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-318480/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-318480/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 318581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-4	SMSMW12A	Total/NA	Water	300.0	
680-99170-7	SMSMW04A	Total/NA	Water	300.0	
680-99170-8	SMSMW01A	Total/NA	Water	300.0	
LCS 680-318581/32	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-318581/33	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-318581/31	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 318770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-2 - RE	SMSMW03B	Total/NA	Water	300.0	
LCS 680-318770/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-318770/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-318770/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 319351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-1 MS	SMSMW08A	Total/NA	Water	300.0	
680-99170-1 MSD	SMSMW08A	Total/NA	Water	300.0	
680-99170-4	SMSMW12A	Total/NA	Water	300.0	
680-99170-6	SMSSW03	Total/NA	Water	300.0	
LCS 680-319351/47	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-319351/48	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-319351/46	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 319563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-1	SMSMW08A	Total/NA	Water	300.0	
680-99170-1	SMSMW08A	Total/NA	Water	300.0	
680-99170-2	SMSMW03B	Total/NA	Water	300.0	
680-99170-3	SMSMW02A	Total/NA	Water	300.0	
680-99170-3	SMSMW02A	Total/NA	Water	300.0	
680-99170-4	SMSMW12A	Total/NA	Water	300.0	
LCS 680-319563/33	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-319563/34	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-319563/32	Method Blank	Total/NA	Water	300.0	

HPLC/IC (Continued)

Analysis Batch: 319653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-2	SMSMW03B	Total/NA	Water	300.0	
680-99170-6	SMSSW03	Total/NA	Water	300.0	
680-99170-7	SMSMW04A	Total/NA	Water	300.0	
680-99170-8	SMSMW01A	Total/NA	Water	300.0	
LCS 680-319653/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-319653/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-319653/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 319688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-7	SMSMW04A	Total/NA	Water	300.0	
680-99170-8	SMSMW01A	Total/NA	Water	300.0	
LCS 680-319688/45	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-319688/46	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-319688/44	Method Blank	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 318547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-1	SMSMW08A	Total/NA	Water	4500 S2 F-2011	
680-99170-2	SMSMW03B	Total/NA	Water	4500 S2 F-2011	
LCS 680-318547/2	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	
LCSD 680-318547/3	Lab Control Sample Dup	Total/NA	Water	4500 S2 F-2011	
MB 680-318547/1	Method Blank	Total/NA	Water	4500 S2 F-2011	

Analysis Batch: 318578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-4	SMSMW12A	Total/NA	Water	7196A	
680-99170-4 MS	SMSMW12A	Total/NA	Water	7196A	
680-99170-4 MSD	SMSMW12A	Total/NA	Water	7196A	
LCS 680-318578/1	Lab Control Sample	Total/NA	Water	7196A	
MB 680-318578/2	Method Blank	Total/NA	Water	7196A	

Analysis Batch: 318579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-1	SMSMW08A	Total/NA	Water	365.1	
680-99170-1 MS	SMSMW08A	Total/NA	Water	365.1	
680-99170-1 MSD	SMSMW08A	Total/NA	Water	365.1	
680-99170-2	SMSMW03B	Total/NA	Water	365.1	
680-99170-3	SMSMW02A	Total/NA	Water	365.1	
680-99170-4	SMSMW12A	Total/NA	Water	365.1	
680-99170-6	SMSSW03	Total/NA	Water	365.1	
680-99170-7	SMSMW04A	Total/NA	Water	365.1	
LCS 680-318579/1	Lab Control Sample	Total/NA	Water	365.1	
MB 680-318579/2	Method Blank	Total/NA	Water	365.1	

Analysis Batch: 318580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-8	SMSMW01A	Total/NA	Water	365.1	

General Chemistry (Continued)

Analysis Batch: 318580 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-8 MS	SMSMW01A	Total/NA	Water	365.1	
680-99170-8 MSD	SMSMW01A	Total/NA	Water	365.1	
LCS 680-318580/1	Lab Control Sample	Total/NA	Water	365.1	
MB 680-318580/2	Method Blank	Total/NA	Water	365.1	

Analysis Batch: 319309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-3	SMSMW02A	Total/NA	Water	4500 S2 F-2011	
680-99170-3 DU	SMSMW02A	Total/NA	Water	4500 S2 F-2011	
680-99170-4	SMSMW12A	Total/NA	Water	4500 S2 F-2011	
680-99170-6	SMSSW03	Total/NA	Water	4500 S2 F-2011	
680-99170-7	SMSMW04A	Total/NA	Water	4500 S2 F-2011	
680-99170-8	SMSMW01A	Total/NA	Water	4500 S2 F-2011	
LCS 680-319309/2	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	
MB 680-319309/1	Method Blank	Total/NA	Water	4500 S2 F-2011	

Analysis Batch: 319350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-1	SMSMW08A	Total/NA	Water	2540C-2011	
680-99170-2	SMSMW03B	Total/NA	Water	2540C-2011	
680-99170-3	SMSMW02A	Total/NA	Water	2540C-2011	
680-99170-4	SMSMW12A	Total/NA	Water	2540C-2011	
680-99170-6	SMSSW03	Total/NA	Water	2540C-2011	
680-99170-7	SMSMW04A	Total/NA	Water	2540C-2011	
680-99170-8	SMSMW01A	Total/NA	Water	2540C-2011	
LCS 680-319350/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-319350/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
MB 680-319350/1	Method Blank	Total/NA	Water	2540C-2011	

Analysis Batch: 319784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-1	SMSMW08A	Total/NA	Water	350.1	
680-99170-2	SMSMW03B	Total/NA	Water	350.1	
680-99170-3	SMSMW02A	Total/NA	Water	350.1	
680-99170-4	SMSMW12A	Total/NA	Water	350.1	
680-99170-6	SMSSW03	Total/NA	Water	350.1	
680-99170-7	SMSMW04A	Total/NA	Water	350.1	
680-99170-8	SMSMW01A	Total/NA	Water	350.1	
LCS 680-319784/11	Lab Control Sample	Total/NA	Water	350.1	
MB 680-319784/12	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 319820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-1	SMSMW08A	Total/NA	Water	2320B-2011	
680-99170-2	SMSMW03B	Total/NA	Water	2320B-2011	
680-99170-3	SMSMW02A	Total/NA	Water	2320B-2011	
680-99170-4	SMSMW12A	Total/NA	Water	2320B-2011	
680-99170-6	SMSSW03	Total/NA	Water	2320B-2011	
680-99170-7	SMSMW04A	Total/NA	Water	2320B-2011	
680-99170-8	SMSMW01A	Total/NA	Water	2320B-2011	
680-99170-8 DU	SMSMW01A	Total/NA	Water	2320B-2011	

QC Association Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99170-1
SDG: 68099170-1

General Chemistry (Continued)

Analysis Batch: 319820 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-319820/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-319820/32	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
MB 680-319820/5	Method Blank	Total/NA	Water	2320B-2011	

Analysis Batch: 319885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-1	SMSMW08A	Total/NA	Water	5310 B-2011	
680-99170-2	SMSMW03B	Total/NA	Water	5310 B-2011	
680-99170-4	SMSMW12A	Total/NA	Water	5310 B-2011	
LCS 680-319885/32	Lab Control Sample	Total/NA	Water	5310 B-2011	
LCSD 680-319885/33	Lab Control Sample Dup	Total/NA	Water	5310 B-2011	
MB 680-319885/26	Method Blank	Total/NA	Water	5310 B-2011	

Analysis Batch: 319886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-6	SMSSW03	Total/NA	Water	5310 B-2011	
680-99170-6 MS	SMSSW03	Total/NA	Water	5310 B-2011	
680-99170-6 MSD	SMSSW03	Total/NA	Water	5310 B-2011	
680-99170-7	SMSMW04A	Total/NA	Water	5310 B-2011	
680-99170-8	SMSMW01A	Total/NA	Water	5310 B-2011	
LCS 680-319886/63	Lab Control Sample	Total/NA	Water	5310 B-2011	
LCSD 680-319886/64	Lab Control Sample Dup	Total/NA	Water	5310 B-2011	
MB 680-319886/62	Method Blank	Total/NA	Water	5310 B-2011	

Analysis Batch: 320062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99170-3	SMSMW02A	Total/NA	Water	5310 B-2011	
LCS 680-320062/5	Lab Control Sample	Total/NA	Water	5310 B-2011	
LCSD 680-320062/6	Lab Control Sample Dup	Total/NA	Water	5310 B-2011	
MB 680-320062/2	Method Blank	Total/NA	Water	5310 B-2011	

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99170-1
SDG: 68099170-1

Client Sample ID: SMSMW08A

Lab Sample ID: 680-99170-1

Date Collected: 03/05/14 09:40

Matrix: Water

Date Received: 03/06/14 09:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	318480	03/06/14 16:11	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		5	5 mL	5 mL	319563	03/13/14 23:51	PAT	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	300.0		50	5 mL	5 mL	319563	03/14/14 00:34	PAT	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	2320B-2011		1			319820	03/15/14 14:07	LBH	TAL SAV
	Instrument ID:	MANTECH								
Total/NA	Analysis	2540C-2011		1	10 mL	100 mL	319350	03/12/14 14:36	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		20	2 mL	2 mL	319784	03/15/14 11:09	JME	TAL SAV
	Instrument ID:	KONELAB1								
Total/NA	Analysis	365.1		2	2 mL	2 mL	318579	03/06/14 15:40	GRX	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	318547	03/06/14 15:18	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25	319885	03/15/14 03:12	JER	TAL SAV
	Instrument ID:	TOC3								

Client Sample ID: SMSMW03B

Lab Sample ID: 680-99170-2

Date Collected: 03/05/14 10:45

Matrix: Water

Date Received: 03/06/14 09:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0	RE	50	5 mL	5 mL	318770	03/07/14 11:48	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		1000	5 mL	5 mL	319563	03/14/14 01:03	PAT	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	300.0		250	5 mL	5 mL	319653	03/14/14 13:35	PAT	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	2320B-2011		1			319820	03/15/14 13:25	LBH	TAL SAV
	Instrument ID:	MANTECH								
Total/NA	Analysis	2540C-2011		1	1 mL	100 mL	319350	03/12/14 14:36	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		100	2 mL	2 mL	319784	03/15/14 11:09	JME	TAL SAV
	Instrument ID:	KONELAB1								
Total/NA	Analysis	365.1		1	2 mL	2 mL	318579	03/06/14 14:23	GRX	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	318547	03/06/14 15:18	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25	319885	03/15/14 03:26	JER	TAL SAV
	Instrument ID:	TOC3								

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99170-1
SDG: 68099170-1

Client Sample ID: SMSMW02A

Lab Sample ID: 680-99170-3

Date Collected: 03/05/14 10:20
Matrix: Water
Date Received: 03/06/14 09:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2	5 mL	5 mL	318480	03/06/14 17:13	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		5	5 mL	5 mL	319563	03/14/14 02:44	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		100	5 mL	5 mL	319563	03/14/14 03:27	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			319820	03/15/14 14:28	LBH	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	5 mL	100 mL	319350	03/12/14 14:36	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		100	2 mL	2 mL	319784	03/15/14 11:09	JME	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Analysis	365.1		1	2 mL	2 mL	318579	03/06/14 14:23	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	319309	03/12/14 12:44	AJO	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	5310 B-2011		5	25 mL	25	320062	03/17/14 17:59	CMP	TAL SAV
	Instrument ID: TOC3									

Client Sample ID: SMSMW12A

Lab Sample ID: 680-99170-4

Date Collected: 03/05/14 11:45
Matrix: Water
Date Received: 03/06/14 09:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		20	5 mL	5 mL	318480	03/06/14 17:28	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		2	5 mL	5 mL	318581	03/06/14 21:20	VAS	TAL SAV
	Instrument ID: CICG									
Total/NA	Analysis	300.0		1	5 mL	5 mL	319351	03/13/14 00:01	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	300.0		10	5 mL	5 mL	319563	03/14/14 03:56	PAT	TAL SAV
	Instrument ID: CICL									
Total/NA	Analysis	2320B-2011		1			319820	03/15/14 13:33	LBH	TAL SAV
	Instrument ID: MANTECH									
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	319350	03/12/14 14:36	LBH	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	350.1		1	2 mL	2 mL	319784	03/15/14 10:52	JME	TAL SAV
	Instrument ID: KONELAB1									
Total/NA	Analysis	365.1		1	2 mL	2 mL	318579	03/06/14 14:23	GRX	TAL SAV
	Instrument ID: KONELAB2									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	319309	03/12/14 12:44	AJO	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99170-1
SDG: 68099170-1

Client Sample ID: SMSMW12A — Lab Sample ID: 680-99170-4

Date Collected: 03/05/14 11:45 — **Matrix: Water**
Date Received: 03/06/14 09:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5310 B-2011		1	25 mL	25	319885	03/15/14 03:59	JER	TAL SAV
	Instrument ID:	TOC3								
Total/NA	Analysis	7196A		1	2 mL	2 mL	318578	03/06/14 13:39	GRX	TAL SAV
	Instrument ID:	KONELAB2								

Client Sample ID: SMSSW03 — Lab Sample ID: 680-99170-6

Date Collected: 03/05/14 13:45 — **Matrix: Water**
Date Received: 03/06/14 09:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2	5 mL	5 mL	318480	03/06/14 17:44	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		2	5 mL	5 mL	319351	03/13/14 00:16	PAT	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	300.0		10	5 mL	5 mL	319653	03/14/14 14:04	PAT	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	2320B-2011		1			319820	03/15/14 14:35	LBH	TAL SAV
	Instrument ID:	MANTECH								
Total/NA	Analysis	2540C-2011		1	50 mL	100 mL	319350	03/12/14 14:36	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		1	2 mL	2 mL	319784	03/15/14 10:52	JME	TAL SAV
	Instrument ID:	KONELAB1								
Total/NA	Analysis	365.1		1	2 mL	2 mL	318579	03/06/14 14:23	GRX	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	319309	03/12/14 12:44	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25	319886	03/15/14 05:17	JER	TAL SAV
	Instrument ID:	TOC3								

Client Sample ID: SMSMW04A — Lab Sample ID: 680-99170-7

Date Collected: 03/05/14 13:44 — **Matrix: Water**
Date Received: 03/06/14 09:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		20	5 mL	5 mL	318480	03/06/14 17:59	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		2	5 mL	5 mL	318581	03/06/14 21:35	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		25	5 mL	5 mL	319653	03/14/14 15:02	PAT	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	300.0		500	5 mL	5 mL	319688	03/15/14 03:45	PAT	TAL SAV
	Instrument ID:	CICL								

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99170-1
SDG: 68099170-1

Client Sample ID: SMSMW04A

Lab Sample ID: 680-99170-7

Date Collected: 03/05/14 13:44
Matrix: Water
Date Received: 03/06/14 09:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1			319820	03/15/14 14:16	LBH	TAL SAV
	Instrument ID:	MANTECH								
Total/NA	Analysis	2540C-2011		1	1 mL	100 mL	319350	03/12/14 14:36	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		100	2 mL	2 mL	319784	03/15/14 11:09	JME	TAL SAV
	Instrument ID:	KONELAB1								
Total/NA	Analysis	365.1		1	2 mL	2 mL	318579	03/06/14 14:23	GRX	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	319309	03/12/14 12:44	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25	319886	03/15/14 06:03	JER	TAL SAV
	Instrument ID:	TOC3								

Client Sample ID: SMSMW01A

Lab Sample ID: 680-99170-8

Date Collected: 03/05/14 14:35
Matrix: Water
Date Received: 03/06/14 09:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		40	5 mL	5 mL	318480	03/06/14 18:15	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		4	5 mL	5 mL	318581	03/06/14 21:50	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		25	5 mL	5 mL	319653	03/14/14 15:45	PAT	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	300.0		500	5 mL	5 mL	319688	03/15/14 04:00	PAT	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	2320B-2011		1			319820	03/15/14 13:43	LBH	TAL SAV
	Instrument ID:	MANTECH								
Total/NA	Analysis	2540C-2011		1	1 mL	100 mL	319350	03/12/14 14:36	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		200	2 mL	2 mL	319784	03/15/14 13:02	JME	TAL SAV
	Instrument ID:	KONELAB1								
Total/NA	Analysis	365.1		1	2 mL	2 mL	318580	03/06/14 14:30	GRX	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	319309	03/12/14 12:44	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25	319886	03/15/14 06:17	JER	TAL SAV
	Instrument ID:	TOC3								

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 85010

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Smokey Mtn Smelter	073-01-01	TN

TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Sheila Hoffman		

CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Janice Austin	404.443.2777	

CLIENT NAME	CLIENT E-MAIL
JM Waller	janice.austin@jmwaller.com

CLIENT ADDRESS: 100 Hartsfield Centre Pkwy Ste 610, Atlanta GA 30354

COMPANY CONTRACTING THIS WORK (if applicable)

PAGE 1 OF 1

STANDARD REPORT DELIVERY ☒

DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS / NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	Chloride/Sulfate/Fluoride (300.0) NO2/NO3 (300.0)	Ammonia (350.1)	Alkalinity (2320B)	Total Dissolved Solids (2540C)	Sulfide (SM4500)	Total Organic Carbon (415.1)	Ortho Phosphate (365.1)	Chromium hexavalent (7196A)		REMARKS
			None	H2SO4	none	none	NaOH	H2SO4	None	None		
3/5/14	0940	SMSMW05A	1	1	1	1	2	3	1	✓		24 hr hold CR+6; 48 hr hold ortho phosphate NO2/NO3
	1045	SMSMW03B								✓		
	1050	SMSMW02A								✓		
	1145	SMSMW12A										
	1400	SMSDPTRB030514										No Sample per client BD 3-6-14
	1345	SMSSW03								✓		
	1344	SMSMW04A								✓		
	1435	SMSMW01A								✓		✓ = does not need CR-6 analysis per client BD 3-6-14

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	3/5/14	1630						

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	DATE	TIME
[signature]	3/5/14	1630					

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.
[signature]	03/06/14	0953	YES ○ NO ○		09170

680-99170 Chain of Custody

1H/1.6°C

TAL8240-680 (1008)

Login Sample Receipt Checklist

Client: J.M. Waller Associates, Inc.

Job Number: 680-99170-1
SDG Number: 68099170-1

Login Number: 99170
List Number: 1
Creator: Banda, Christy S

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	received no sample volume for -5, -4 has 1 extra container
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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99170-1
SDG: 68099170-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Tennessee	State Program	4	TN02961	06-30-14

KEMRON
ENVIRONMENTAL SERVICES

1359-A Ellsworth Industrial Blvd • Atlanta, GA 30318 • TEL 404-636-0928 • FAX 404-636-7162

May 9, 2012

C.J. Roebuck
J.M Waller Associates
100 Hartsfield Centre Parkway
Suite 610
Atlanta, GA 30354

Re: Final Letter Report of Geotechnical Testing
Smokey Mountain Smelters
KEMRON Project #SH0428– 001

Dear Mr. Roebuck:

Enclosed, please find the testing results for the 7 samples received on April 20, 2012, for geotechnical testing.

This letter report includes the supporting laboratory data and the sample chain of custody. The following method was completed for the referenced samples:

Particle Size Analysis - ASTM D422

KEMRON Environmental Services, Inc. appreciates this opportunity to provide laboratory services to J.M. Waller Associates. If you have any questions, or require additional information, please contact me at (404) 636-0928.

Sincerely,

KEMRON Environmental Services, Inc.

Tommy A. Jordan, P.G.
Program Manager

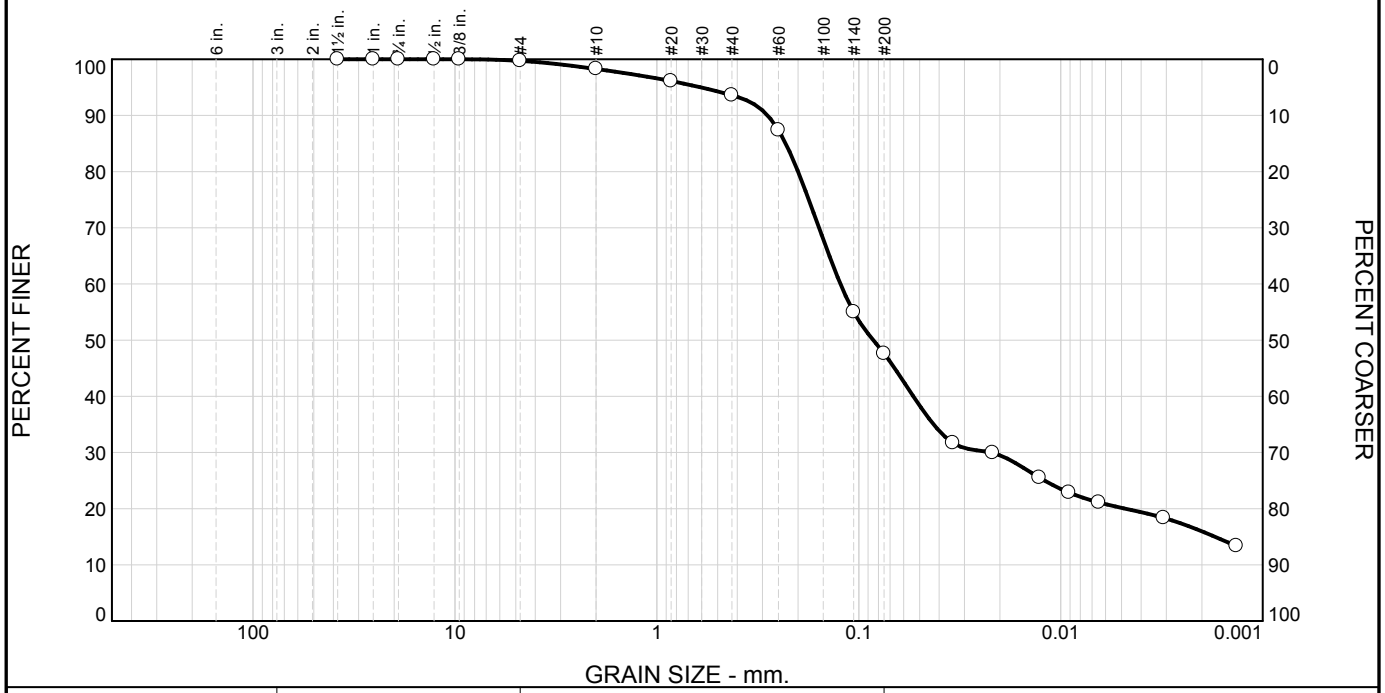
Attachments: Table 1- Summary of Testing
Grain Size Data Reports
Chain of Custody

J.M. WALLER ASSOCIATES
SMOKEY MOUNTAIN SMELTERS GEOTECH
KEMRON PROJECT # SH-0428
TABLE 1
SUMMARY OF TESTING
PARTICLE SIZE ANALYSIS - ASTM D422

SAMPLE ID	Soil Classification (USCS)	Sample Description	Particle Size Analyses			
			Gravel (%)	Sand (%)	Silt (%)	Clay (%)
SMSSD03	SM	Strong brown silty sand	0.3	52.1	27.5	20.1
SMSSD04	SP-SM	Dark yellowish brown poorly graded sand with silt	14.4	78.6	3.3	3.7
SMSSD05	ML	Olive brown silt with sand	0.0	25.0	39.4	35.6
SMSSD08	SM	Dark olive brown silty sand	0.0	74.9	13.5	11.6
SMSSD11	SM	Dark olive brown silty sand	0.5	64.0	22.2	13.3
SMSSD18	SM	Very dark grayish brown silty sand	0.0	51.2	33.3	15.5
SMSSD904	SP-SM	Dark yellowish brown poorly graded sand with silt	7.8	85.5	2.6	4.1

Notes:
Sample descriptions based on the Unified Classification System. Where Atterberg limits were not tested, the description is based on an assumed PI < 4.
Sample color determined by the Munsell Soil Color Charts.

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.3	1.4	4.7	46.0	27.5	20.1

Test Results (ASTM D 422 & ASTM D 1140)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.5	100.0		
1.0	100.0		
.75	100.0		
.5	100.0		
.375	100.0		
#4	99.7		
#10	98.3		
#20	96.1		
#40	93.6		
#60	87.4		
#140	55.0		
#200	47.6		
0.0341 mm.	31.7		
0.0217 mm.	29.9		
0.0128 mm.	25.5		
0.0091 mm.	22.9		
0.0065 mm.	21.1		
0.0031 mm.	18.4		
0.0013 mm.	13.4		

* (no specification provided)

Material Description

Strong brown silty sand

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= SM **AASHTO (M 145)=**

Coefficients

D_{90}= D_{85}= D_{60}= 0.1233
D_{50}= 0.0849 D_{30}= 0.0222 D_{15}= 0.0017
D_{10}= C_u= C_c=

Remarks

F.M.=0.51

Date Received: **Date Tested:** 4/23/12

Tested By: JPM

Checked By: TAJ

Title: Program Manager

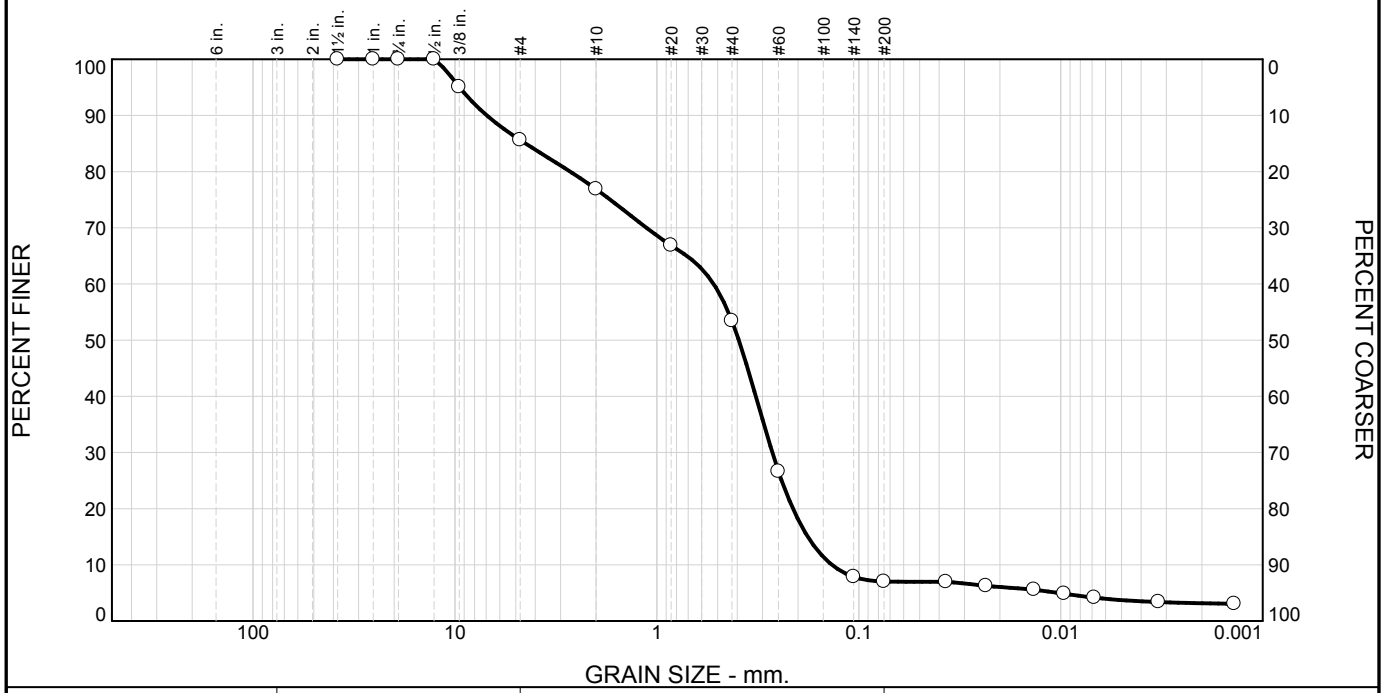
Sample Number: SMSSD03 **Date Sampled:**

KEMRON Environmental Services Inc.
Atlanta, Georgia

Client: J.M. Waller Associates
Project: Smokey Mountain Smelters

Project No: SH0428 **Lab ID** 8048_GR

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	14.4	8.7	23.5	46.4	3.3	3.7

Test Results (ASTM D 422 & ASTM D 1140)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.5	100.0		
1.0	100.0		
.75	100.0		
.5	100.0		
.375	95.1		
#4	85.6		
#10	76.9		
#20	66.9		
#40	53.4		
#60	26.6		
#140	7.9		
#200	7.0		
0.0369 mm.	7.0		
0.0234 mm.	6.3		
0.0136 mm.	5.6		
0.0096 mm.	4.9		
0.0068 mm.	4.2		
0.0033 mm.	3.4		
0.0014 mm.	3.1		

* (no specification provided)

Material Description

Dark yellowish brown poorly graded sand with silt

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= SP-SM **AASHTO (M 145)=**

Coefficients

D_{90}= 6.9576 D_{85}= 4.4715 D_{60}= 0.5237
D_{50}= 0.3930 D_{30}= 0.2681 D_{15}= 0.1789
D_{10}= 0.1360 C_u= 3.85 C_c= 1.01

Remarks

F.M.=2.60

Date Received: **Date Tested:** 4/23/12

Tested By: JPM

Checked By: TAJ

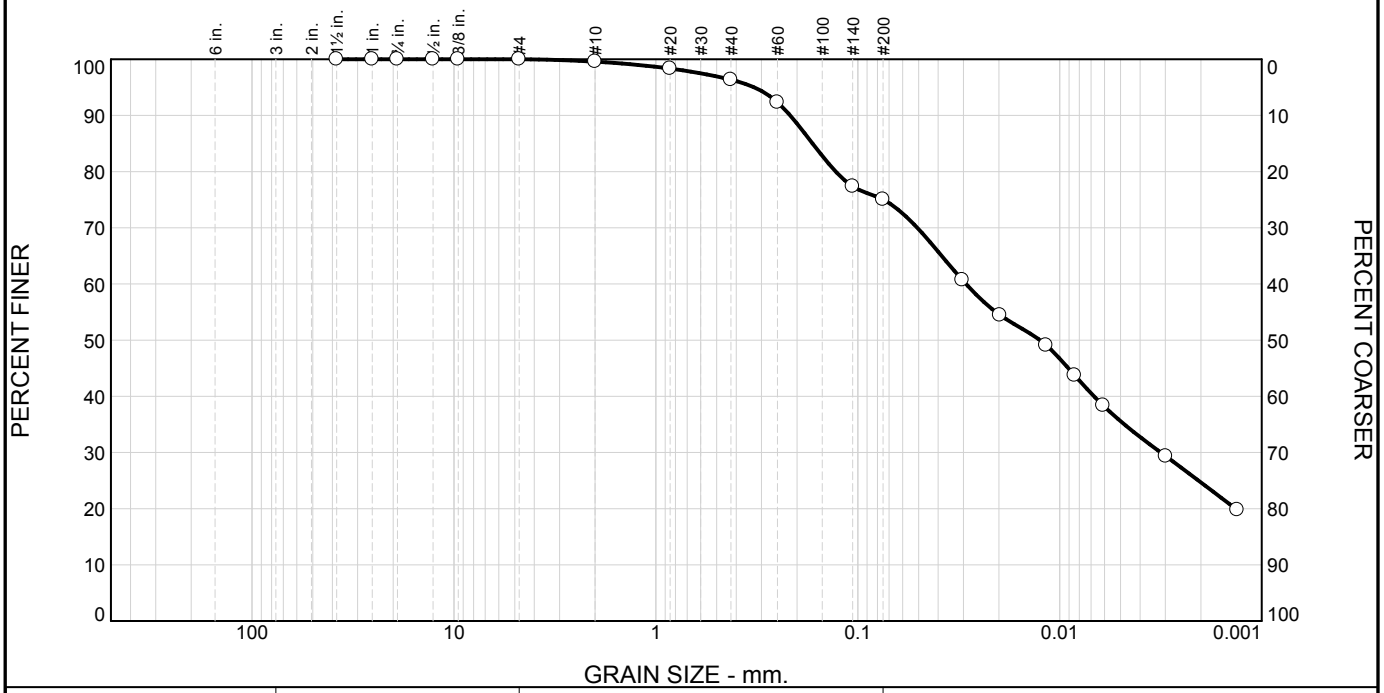
Title: Program Manager

Sample Number: SMSSD04 **Date Sampled:**

KEMRON Environmental Services Inc.
Atlanta, Georgia

Client: J.M. Waller Associates
Project: Smokey Mountain Smelters
Project No: SH0428 **Lab ID** 8049_GR

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.4	3.2	21.4	39.4	35.6

Test Results (ASTM D 422 & ASTM D 1140)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.5	100.0		
1.0	100.0		
.75	100.0		
.5	100.0		
.375	100.0		
#4	100.0		
#10	99.6		
#20	98.3		
#40	96.4		
#60	92.3		
#140	77.4		
#200	75.0		
0.0304 mm.	60.7		
0.0197 mm.	54.4		
0.0117 mm.	49.1		
0.0084 mm.	43.7		
0.0061 mm.	38.4		
0.0030 mm.	29.3		
0.0013 mm.	19.8		

* (no specification provided)

Material Description

Olive brown silt with sand

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= ML **AASHTO (M 145)=**

Coefficients

D_{90}= D_{85}= D_{60}= 0.0291
D_{50}= 0.0125 D_{30}= 0.0032 D_{15}=
D_{10}= C_u= C_c=

Remarks

F.M.=0.27

Date Received: **Date Tested:** 4/23/12

Tested By: JPM

Checked By: TAJ

Title: Program Manager

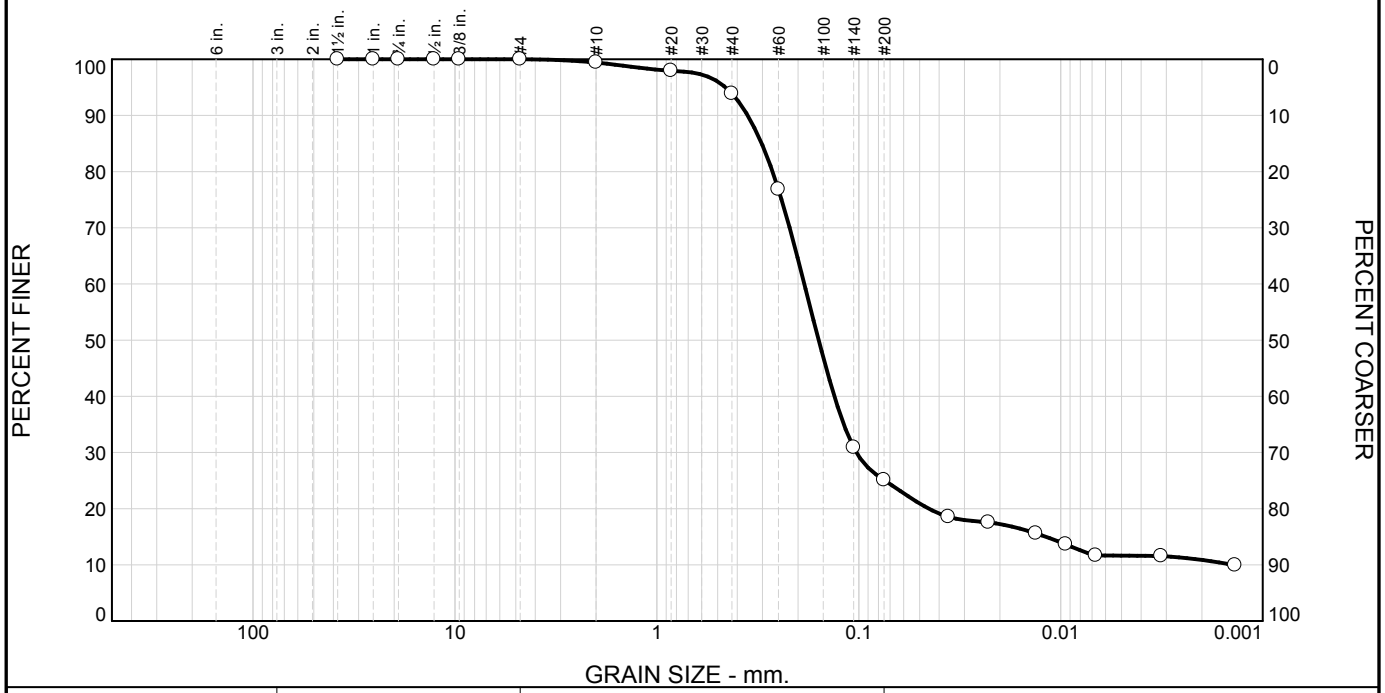
Sample Number: SMSSD05 **Date Sampled:**

KEMRON Environmental Services Inc.
Atlanta, Georgia

Client: J.M. Waller Associates
Project: Smokey Mountain Smelters

Project No: SH0428 **Lab ID** 8050_GR

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.6	5.5	68.8	13.5	11.6

Test Results (ASTM D 422 & ASTM D 1140)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.5	100.0		
1.0	100.0		
.75	100.0		
.5	100.0		
.375	100.0		
#4	100.0		
#10	99.4		
#20	97.9		
#40	93.9		
#60	76.8		
#140	30.9		
#200	25.1		
0.0360 mm.	18.5		
0.0228 mm.	17.6		
0.0133 mm.	15.6		
0.0094 mm.	13.6		
0.0067 mm.	11.7		
0.0032 mm.	11.6		
0.0014 mm.	9.9		

* (no specification provided)

Material Description

Dark olive brown silty sand

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= SM **AASHTO (M 145)=**

Coefficients

D_{90}= D_{85}= D_{60}= 0.1862
D_{50}= 0.1581 D_{30}= 0.1027 D_{15}= 0.0118
D_{10}= 0.0014 C_u= 132.76 C_c= 40.42

Remarks

F.M.=0.73

Date Received: **Date Tested:** 4/23/12

Tested By: JPM

Checked By: TAJ

Title: Program Manager

Sample Number: SMSSD08

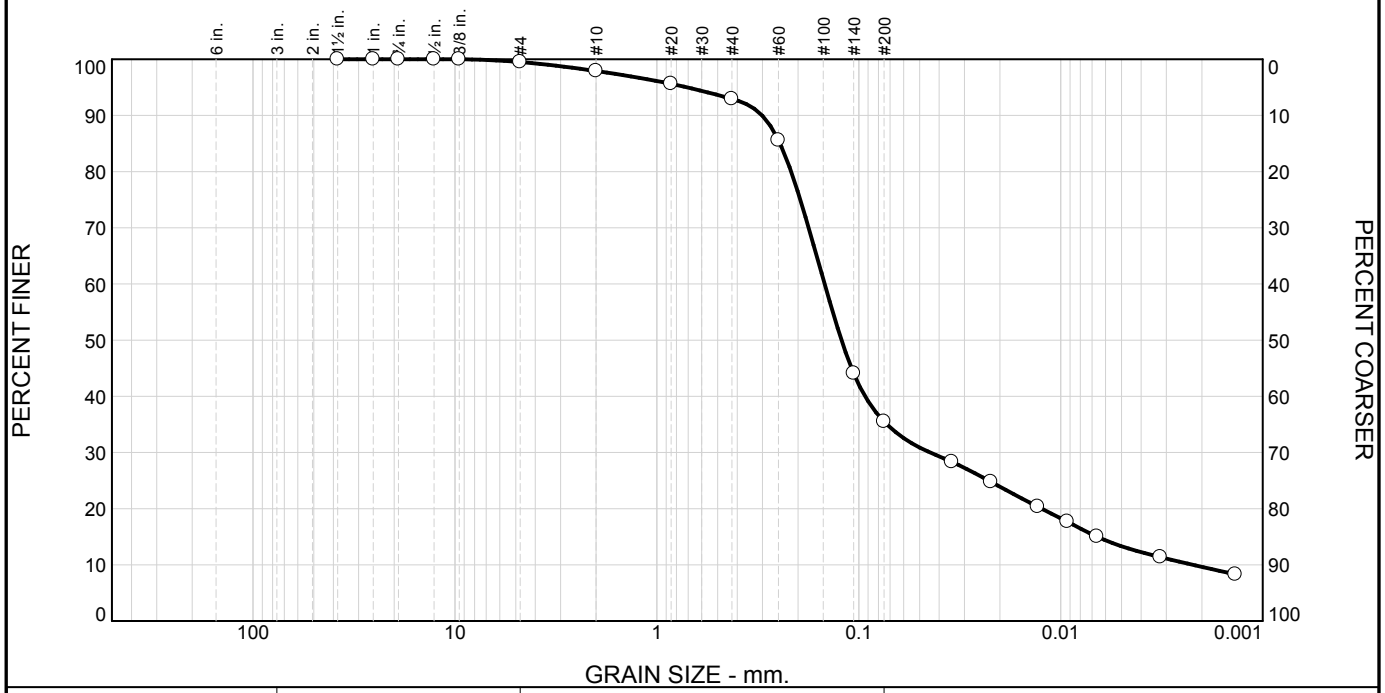
Date Sampled:

KEMRON Environmental Services Inc.
Atlanta, Georgia

Client: J.M. Waller Associates
Project: Smokey Mountain Smelters

Project No: SH0428 **Lab ID** 8051_GR

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.5	1.6	5.0	57.4	22.2	13.3

Test Results (ASTM D 422 & ASTM D 1140)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.5	100.0		
1.0	100.0		
.75	100.0		
.5	100.0		
.375	100.0		
#4	99.5		
#10	97.9		
#20	95.6		
#40	92.9		
#60	85.6		
#140	44.1		
#200	35.5		
0.0346 mm.	28.3		
0.0222 mm.	24.8		
0.0130 mm.	20.3		
0.0093 mm.	17.7		
0.0066 mm.	15.0		
0.0032 mm.	11.4		
0.0014 mm.	8.3		

* (no specification provided)

Material Description

Dark olive brown silty sand

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= SM **AASHTO (M 145)=**

Coefficients

D_{90}= D_{85}= D_{60}= 0.1477
D_{50}= 0.1218 D_{30}= 0.0443 D_{15}= 0.0066
D_{10}= 0.0022 C_u= 66.77 C_c= 6.01

Remarks

F.M.=0.60

Date Received: **Date Tested:** 4/23/12

Tested By: JPM

Checked By: TAJ

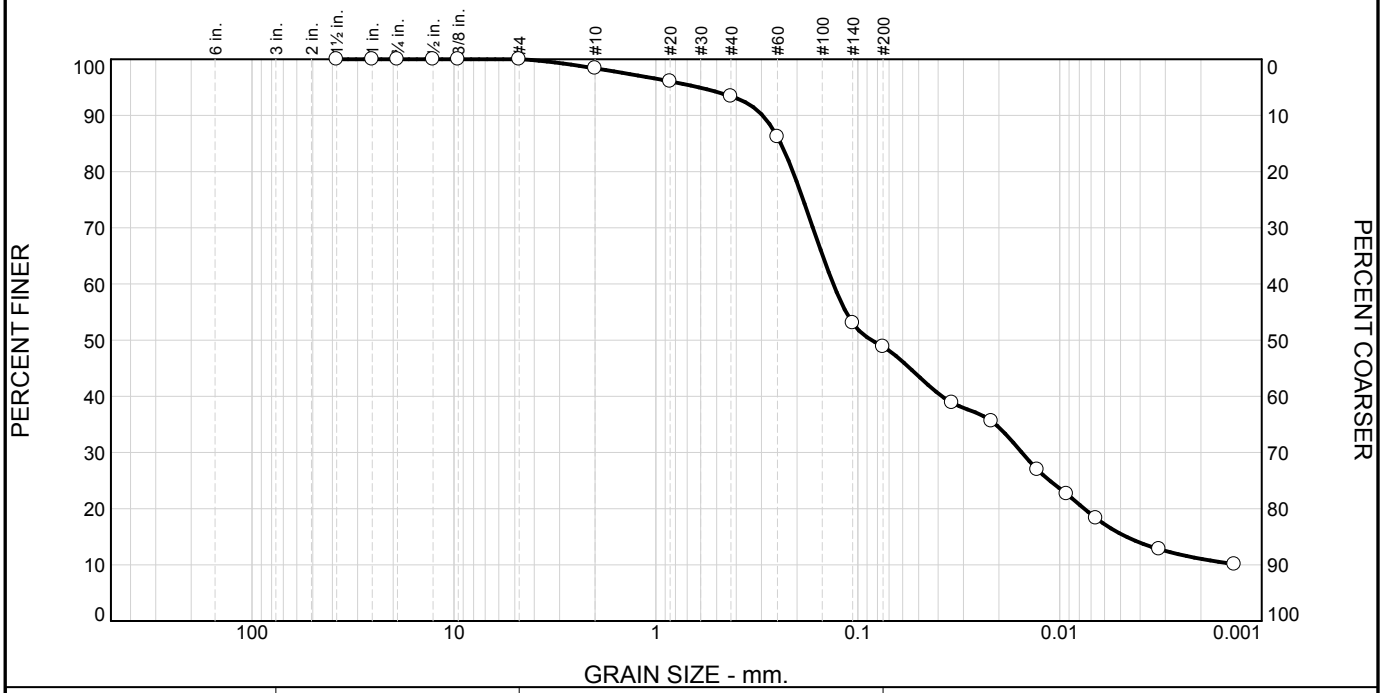
Title: Program Manager

Sample Number: SMSSD11 **Date Sampled:**

KEMRON Environmental Services Inc.
Atlanta, Georgia

Client: J.M. Waller Associates
Project: Smokey Mountain Smelters
Project No: SH0428 **Lab ID** 8052_GR

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	1.6	5.0	44.6	33.3	15.5

Test Results (ASTM D 422 & ASTM D 1140)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.5	100.0		
1.0	100.0		
.75	100.0		
.5	100.0		
.375	100.0		
#4	100.0		
#10	98.4		
#20	96.1		
#40	93.4		
#60	86.2		
#140	53.0		
#200	48.8		
0.0341 mm.	38.8		
0.0218 mm.	35.6		
0.0129 mm.	27.0		
0.0092 mm.	22.6		
0.0066 mm.	18.3		
0.0032 mm.	12.8		
0.0014 mm.	10.1		

* (no specification provided)

Material Description

Very dark grayish brown silty sand

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= SM **AASHTO (M 145)=**

Coefficients

D_{90}= D_{85}= D_{60}= 0.1323
D_{50}= 0.0856 D_{30}= 0.0154 D_{15}= 0.0047
D_{10}= C_u= C_c=

Remarks

F.M.=0.54

Date Received: **Date Tested:** 4/23/12

Tested By: JPM

Checked By: TAJ

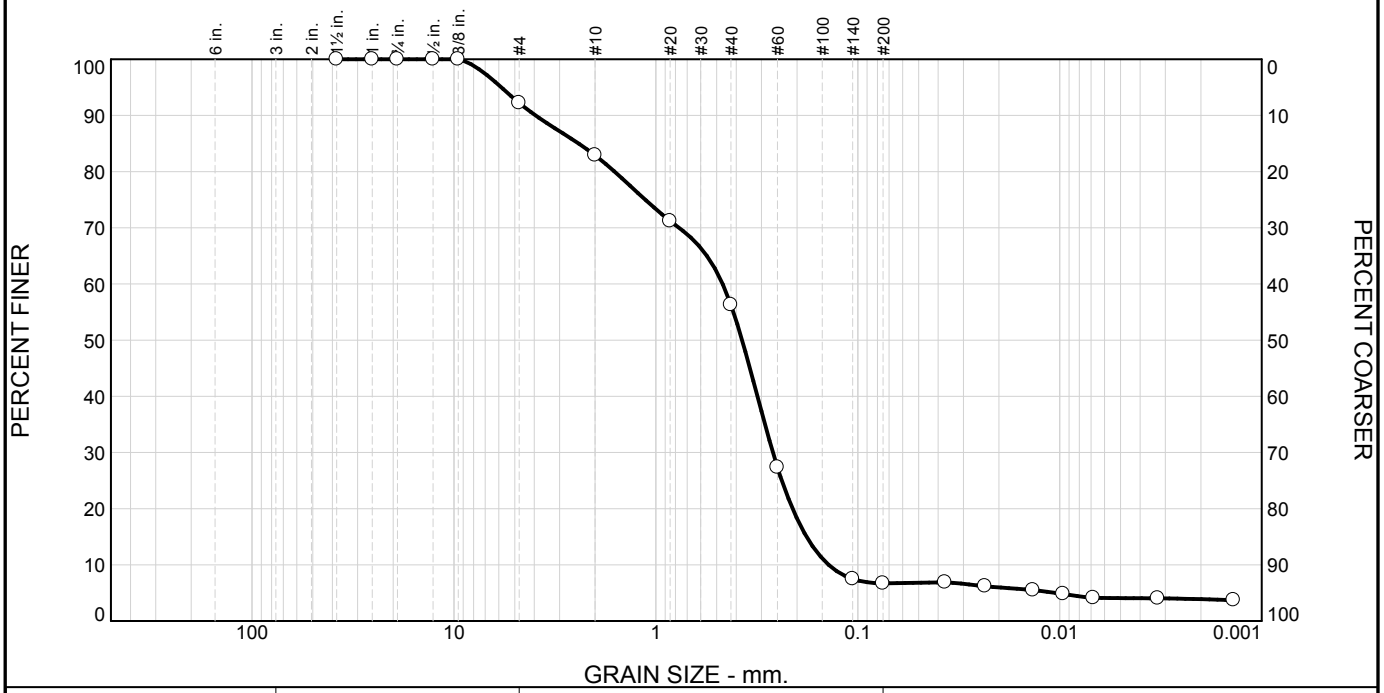
Title: Program Manager

Sample Number: SMSSD18 **Date Sampled:**

KEMRON Environmental Services Inc.
Atlanta, Georgia

Client: J.M. Waller Associates
Project: Smokey Mountain Smelters
Project No: SH0428 **Lab ID** 8053_GR

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	7.8	9.3	26.6	49.6	2.6	4.1

Test Results (ASTM D 422 & ASTM D 1140)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.5	100.0		
1.0	100.0		
.75	100.0		
.5	100.0		
.375	100.0		
#4	92.2		
#10	82.9		
#20	71.2		
#40	56.3		
#60	27.3		
#140	7.5		
#200	6.7		
0.0369 mm.	6.9		
0.0234 mm.	6.2		
0.0136 mm.	5.5		
0.0096 mm.	4.8		
0.0068 mm.	4.1		
0.0033 mm.	4.0		
0.0014 mm.	3.7		

* (no specification provided)

Material Description

Dark yellowish brown poorly graded sand with silt

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= SP-SM **AASHTO (M 145)=**

Coefficients

D_{90}= 3.9441 D_{85}= 2.4144 D_{60}= 0.4673
D_{50}= 0.3741 D_{30}= 0.2633 D_{15}= 0.1794
D_{10}= 0.1394 C_u= 3.35 C_c= 1.06

Remarks

F.M.=2.33

Date Received: **Date Tested:** 4/23/12

Tested By: JMP

Checked By: TAJ

Title: Program Manager

Sample Number: SMSSD904

Date Sampled:

KEMRON Environmental Services Inc.
Atlanta, Georgia

Client: J.M. Waller Associates
Project: Smokey Mountain Smelters

Project No: SH0428 **Lab ID** 8054_GR

Plantico SH0428 Smokey Mt. Smelters

MunRFN 2VI

USEPA Region 4 COC (LAB COPY)
DateShipped: 4/18/2012
CarrierName: FedEx
AirbillNo: 191372615004140

CHAIN OF CUSTODY RECORD
J.M. Waller Associates
Contact Name: C.J. Roebuck
Contact Phone: 847-346-5224

No: 04/16/12-0003
Lab: Kemron Environmental Services
Lab Contact: Tommy Jordan
Lab Phone: 4046360928

Sample #	Media/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
SMSSD03 ✓	Sediment/ Nyland, Linda	Grab	Grain Size	A (Ice) (1)	SMSSDSW03	04/16/2012 14:40	
SMSSD04 ✓	Sediment/ Nyland, Linda	Grab	Grain Size	A (Ice) (1)	SMSSDSW04	04/17/2012 17:45	
SMSSD05 ✓	Sediment/ Roebuck, C.J.	Grab	Grain Size	A (Ice) (1)	SMSSDSW05	04/17/2012 11:40	
SMSSD08 ✓	Sediment/ Nyland, Linda	Grab	Grain Size	A (Ice) (1)	SMSSDSW08	04/16/2012 18:00	
SMSSD11 ✓	Sediment/ Nyland, Linda	Grab	Grain Size	A (Ice) (1)	SMSSDSW11	04/17/2012 14:15	
SMSSD18 ✓	Sediment/ Roebuck, C.J.	Grab	Grain Size	A (Ice) (1)	SMSSDSW18	04/17/2012 12:30	
SMSSD904 ✓	Sediment/ Nyland, Linda	Grab	Grain Size	A (Ice) (1)	SMSSDSW04	04/17/2012 18:15	

Sample(s) to be used for Lab QC: SMSSD11

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
LAB	[signature]	4/18/12	FEDEX	4/18/12	1000	LAB			[signature]	4/20/12	1420

KEMRON
ENVIRONMENTAL SERVICES

1359-A Ellsworth Industrial Blvd • Atlanta, GA 30318 • TEL 404-636-0928 • FAX 404-636-7162

July 4, 2012

J.M. Waller Associates, Inc.
100 Hartsfield Centre Parkway, Suite 610
Atlanta, Georiga 30354

Re: Final Letter Report of Geotechnical Testing
Project TND098071061

Dear Mr. Chuhay:

Enclosed, please find the testing results for the 4 soil samples received on June 6, 2012 for Particle Size Distribution, by ASTM D422.

This report includes summary table, laboratory reports, and sample chain of custody.

KEMRON Environmental Services, Inc. appreciates this opportunity to provide laboratory services to J.M. Waller Associates. If you have any questions, or require additional information, please contact me at (404) 636-0928.

Sincerely,

KEMRON Environmental Services, Inc.

Tommy A. Jordan, P.G.
Program Manager

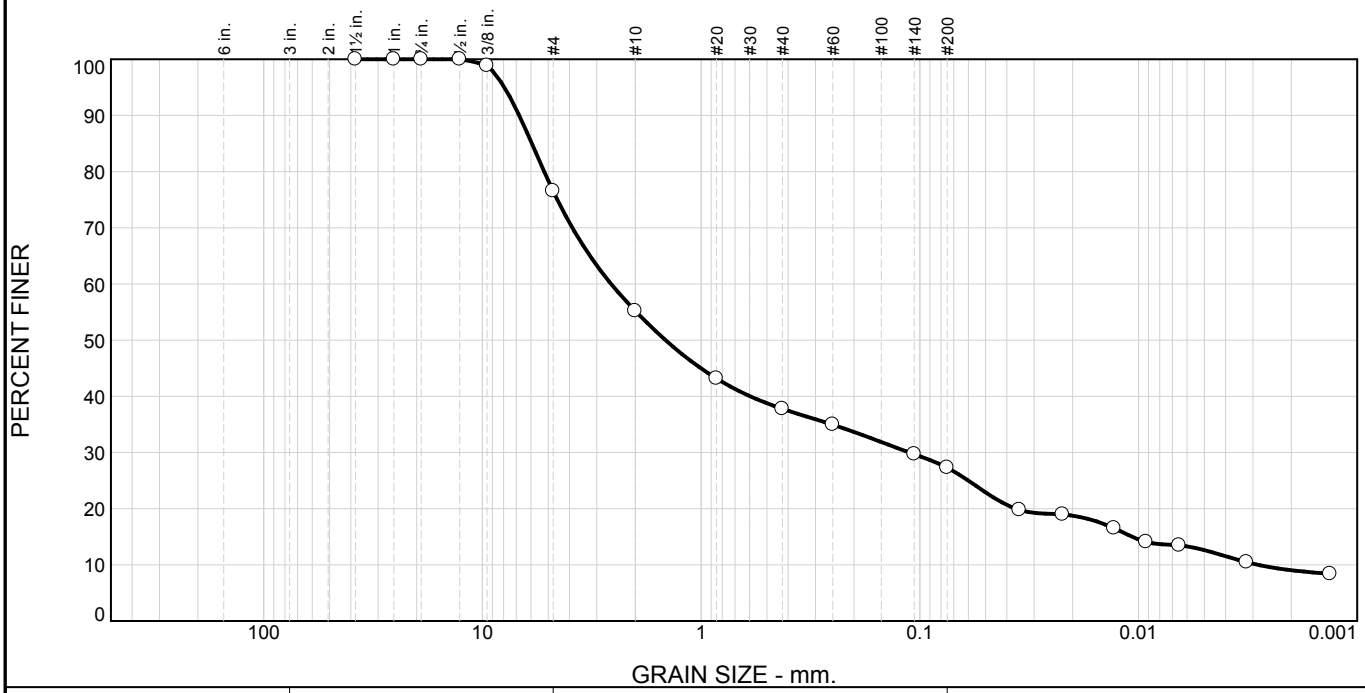
Attachments: Table 1 Summary of Testing, Particle Size Analysis ASTM D422
Particle Size Distribution Reports
Sample Chain of Custody

J.M. WALLER AND ASSOCIATES
TND098071061
TABLE 1
SUMMARY OF TESTING
PARTICLE SIZE ANALYSIS - ASTM D422

SAMPLE ID	Soil Classification (USCS)	SAMPLE Description	Particle Size Analyses			
			Gravel (%)	Sand (%)	Silt (%)	Clay (%)
MW01A 26	SM	Yellowish brown silty sand with gravel	23.5	49.2	14.7	12.6
MW05 7	ML	Very dark gray sandy silt	9.6	31.8	23.1	35.5
MWA08A 12	SM	Reddish brown silty sand	1.5	59.2	11.6	27.7
MW10A 14	ML	Brown sandy silt	1.7	33.5	22.5	42.3

Notes:
Sample descriptions based on the Unified Classification System. Where atterberg limits were not tested, the description is based on an assumed PI < 4.
Sample color determined by the Munsell Soil Color Charts.

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	23.5	21.3	17.4	10.5	14.7	12.6

Test Results (ASTM D 422 & ASTM D 1140)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.5	100.0		
1.0	100.0		
.75	100.0		
.5	100.0		
.375	98.9		
#4	76.5		
#10	55.2		
#20	43.2		
#40	37.8		
#60	35.0		
#140	29.7		
#200	27.3		
0.0350 mm.	19.8		
0.0222 mm.	19.0		
0.0129 mm.	16.5		
0.0092 mm.	14.1		
0.0065 mm.	13.5		
0.0032 mm.	10.5		
0.0013 mm.	8.4		

* (no specification provided)

Material Description

Yellowish brown silty sand with gravel

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= SM **AASHTO (M 145)=**

Coefficients

D_{90}= 6.7934 D_{85}= 5.9414 D_{60}= 2.5799
D_{50}= 1.4539 D_{30}= 0.1115 D_{15}= 0.0107
D_{10}= 0.0028 C_u= 909.20 C_c= 1.70

Remarks

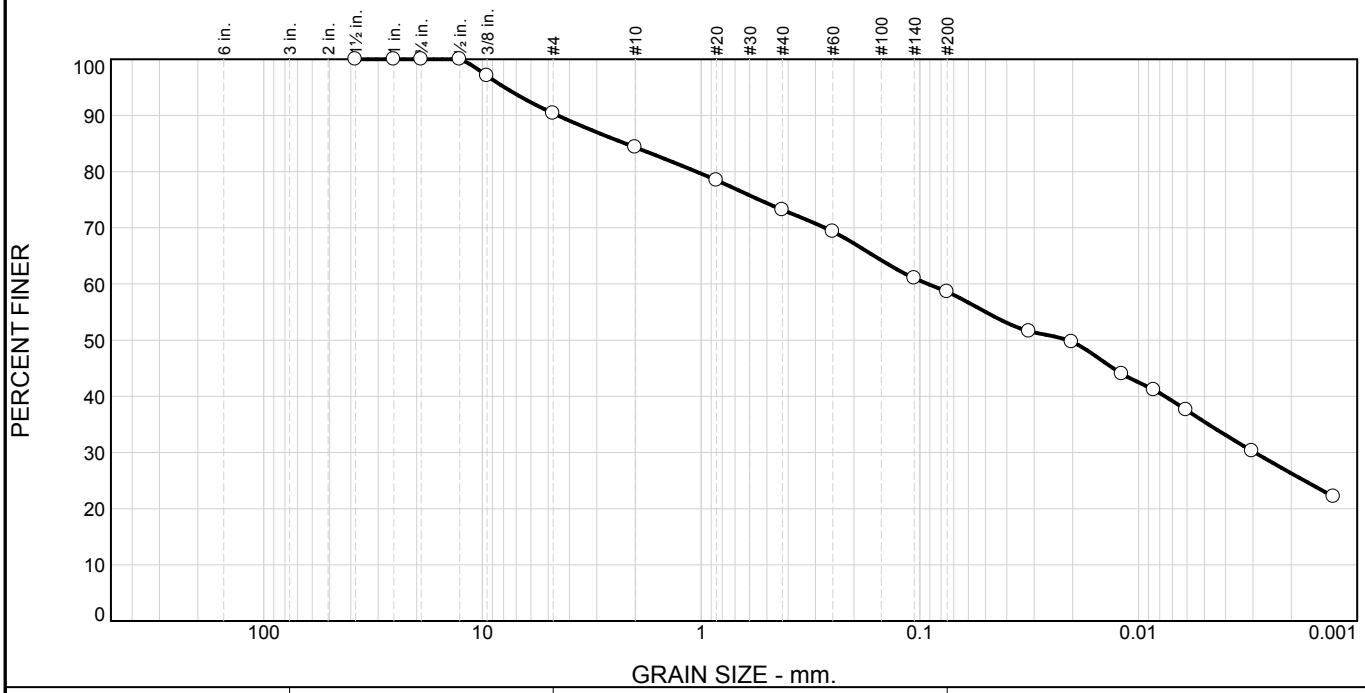
Date Received: 6/11/12 **Date Tested:** 6/26/12
Tested By: JPM
Checked By: TAJ
Title: Program Manager

Location: JM Waller
Sample Number: MW01A 26
Date Sampled: 5/16/12

KEMRON Environmental Services Inc.
Atlanta, Georgia

Client: JM Waller
Project: TND098071061
Project No: SHO436 **Lab ID** 8224_GR

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	9.6	6.1	11.1	14.6	23.1	35.5

Test Results (ASTM D 422 & ASTM D 1140)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.5	100.0		
1.0	100.0		
.75	100.0		
.5	100.0		
.375	97.1		
#4	90.4		
#10	84.3		
#20	78.5		
#40	73.2		
#60	69.3		
#140	61.0		
#200	58.6		
0.0317 mm.	51.6		
0.0202 mm.	49.7		
0.0119 mm.	44.0		
0.0085 mm.	41.2		
0.0061 mm.	37.6		
0.0030 mm.	30.3		
0.0013 mm.	22.1		

* (no specification provided)

Material Description

Very dark gray sandy silt

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= ML **AASHTO (M 145)=**

Coefficients

D_{90}= 4.5288 D_{85}= 2.2196 D_{60}= 0.0919
D_{50}= 0.0211 D_{30}= 0.0029 D_{15}=
D_{10}= C_u= C_c=

Remarks

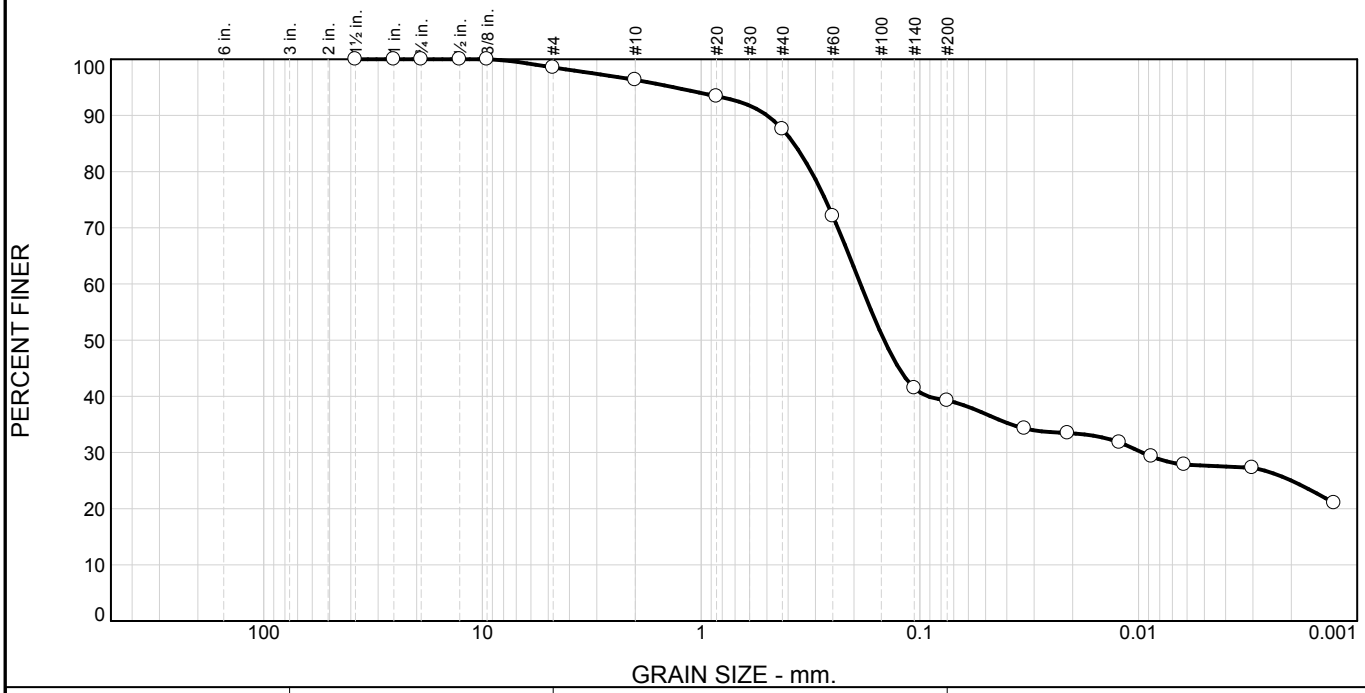
Date Received: 6/11/12 **Date Tested:** 6/26/12
Tested By: JPM
Checked By: TAJ
Title: Program Manager

Location: JM Waller
Sample Number: MW05 7
Date Sampled: 5/18/12

KEMRON Environmental Services Inc.
Atlanta, Georgia

Client: JM Waller
Project: TND098071061
Project No: SHO436 **Lab ID** 8225_GR

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	1.5	2.2	8.8	48.2	11.6	27.7

Test Results (ASTM D 422 & ASTM D 1140)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.5	100.0		
1.0	100.0		
.75	100.0		
.5	100.0		
.375	100.0		
#4	98.5		
#10	96.3		
#20	93.4		
#40	87.5		
#60	72.1		
#140	41.5		
#200	39.3		
0.0332 mm.	34.3		
0.0210 mm.	33.4		
0.0122 mm.	31.8		
0.0087 mm.	29.3		
0.0062 mm.	27.8		
0.0030 mm.	27.3		
0.0013 mm.	21.0		

* (no specification provided)

Material Description

Reddish brown silty sand

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= SM **AASHTO (M 145)=**

Coefficients

D_{90}= 0.4990 D_{85}= 0.3766 D_{60}= 0.1869
D_{50}= 0.1456 D_{30}= 0.0096 D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 6/11/12 **Date Tested:** 6/26/12

Tested By: JPM

Checked By: TAJ

Title: Program Manager

Location: JM Waller
Sample Number: MW08A 12

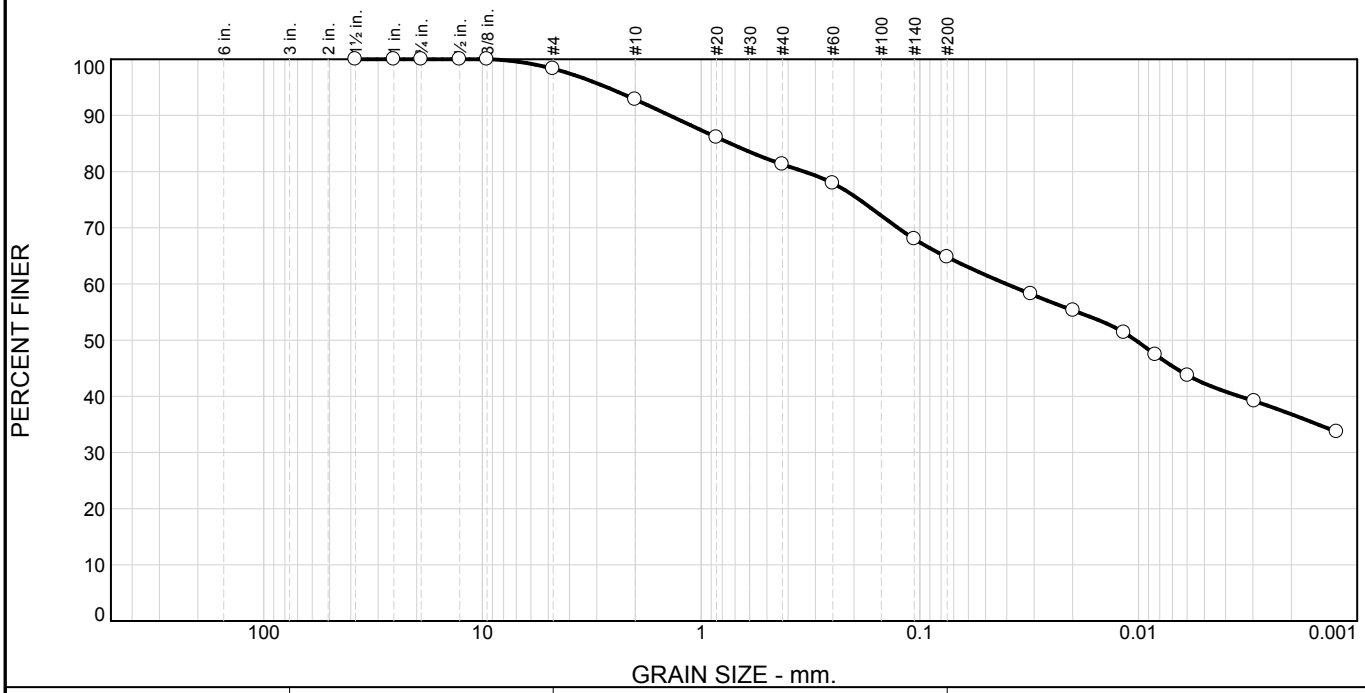
Date Sampled: 5/17/12

KEMRON Environmental Services Inc.
Atlanta, Georgia

Client: JM Waller
Project: TND098071061

Project No: SHO436 **Lab ID** 8226_GR

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	1.7	5.5	11.5	16.5	22.5	42.3

Test Results (ASTM D 422 & ASTM D 1140)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.5	100.0		
1.0	100.0		
.75	100.0		
.5	100.0		
.375	100.0		
#4	98.3		
#10	92.8		
#20	86.1		
#40	81.3		
#60	77.9		
#140	68.0		
#200	64.8		
0.0311 mm.	58.2		
0.0199 mm.	55.3		
0.0117 mm.	51.3		
0.0084 mm.	47.4		
0.0060 mm.	43.7		
0.0029 mm.	39.1		
0.0012 mm.	33.7		

* (no specification provided)

Material Description

Brown sandy silt

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= ML **AASHTO (M 145)=**

Coefficients

D_{90}= 1.3921 D_{85}= 0.7349 D_{60}= 0.0402
D_{50}= 0.0103 D_{30}= D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 6/11/12 **Date Tested:** 6/26/12
Tested By: JPM
Checked By: TAJ
Title: Program Manager

Location: JM Waller
Sample Number: MW10A 14
Date Sampled: 5/15/12

KEMRON Environmental Services Inc.
Atlanta, Georgia

Client: JM Waller
Project: TND098071061
Project No: SHO436 **Lab ID** 8227_GR

USEPA Region 4 COC (LAB COPY)
DateShipped: 6/7/2012
CarrierName: FedEx
AirbillNo: 798480430880

CHAIN OF CUSTODY RECORD
Site #: TND098071061
Project Number:
Cooler #:

No: 06/06/12-0018
Lab: Kemron Environmental Services, Inc
Lab Contact: Tommy Jordan
Lab Phone: 404-636-0928

Sample #	Media/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
MW01A 26 ✓	Subsurface Soil/ Terence Chuhay	Grab	Grain Size	4-2324 (None) (1)	MW01A	05/16/2012 13:05	
MW05 7 ✓	Subsurface Soil/ Terence Chuhay	Grab	Grain Size	4-2325 (None) (1)	MW05	05/18/2012 08:15	
MW08A 12	Subsurface Soil/ Terence Chuhay	Grab	Grain Size	4-2323 (None) (1)	MW08A	05/17/2012 10:15	
MW10A 14	Subsurface Soil/ Terence Chuhay	Grab	Grain Size	4-2321 (None) (1)	MW10A	05/15/2012 09:15	

bag says 10

Special Instructions: J. M. Waller Associates, Contact Terence Chuhay at 770-598-2629

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: Grain size by Hydrometer ASTM D422

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Soil to Lab	Chuhay	6/7/12	Federal Express	6/7/12	1600	Delivery to Lab	Federal Express	6/8/12	[illegible]	6/11/12	11:35