ANALYTICAL REPORT

Job Number: 680-102773-1

SDG Number: 680102773-1

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
7/16/2014 3:54 PM

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07/16/2014

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CASE NARRATIVE

Client: J.M. Waller Associates, Inc.

Project: Smokey Mountain Smelter

Report Number: 680-102773-1

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 06/27/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.2 C.

ALKALINITY
Sample SMSMW04A (680-102773-1) was analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 07/01/2014.

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

TOTAL DISSOLVED SOLIDS
Sample SMSMW04A (680-102773-1) was analyzed for total dissolved solids in accordance with SM 2540C. The samples were analyzed on 07/01/2014.

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

ANIONS BY ION CHROMATOGRAPHY (28 DAY)
Sample SMSMW04A (680-102773-1) was analyzed for Anions by Ion Chromatography (28 Day) in accordance with EPA Method 300.0. The samples were analyzed on 07/03/2014.

Samples SMSMW04A (680-102773-1)[50X] and SMSMW04A (680-102773-1)[500X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

ANIONS BY ION CHROMATOGRAPHY (48 HOUR)
Sample SMSMW04A (680-102773-1) was analyzed for Anions by Ion Chromatography (48 Hour) in accordance with EPA Method 300.0. The samples were analyzed on 06/27/2014.

Sample SMSMW04A (680-102773-1)[40X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

AMMONIA
Sample SMSMW04A (680-102773-1) was analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 07/07/2014.

Sample SMSMW04A (680-102773-1)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

ORTHOPHOSPHATE
Sample SMSMW04A (680-102773-1) was analyzed for orthophosphate in accordance with EPA Method 365.1. The samples were analyzed on 06/27/2014.

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

SULFIDE
Sample SMSMW04A (680-102773-1) was analyzed for sulfide in accordance with SM 4500 S2 F. The samples were analyzed on 07/03/2014.

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

TOTAL ORGANIC CARBON

Sample SMSMW04A (680-102773-1) was analyzed for total organic carbon in accordance with SM 5310B. The samples were analyzed on 07/08/2014.

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

Client: J.M. Waller Associates, Inc.

Job Number: 680-102773-1
Sdg Number: 680102773-1

General Chemistry

Client Sample ID: **SMSMW04A**

Lab Sample ID: 680-102773-1
Client Matrix: Water

Date Sampled: 06/26/2014 0907
Date Received: 06/27/2014 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	52		mg/L	1.3	2.5	50	350.1
Analysis Batch: 680-338038	Analysis Date: 07/07/2014 1845						
ortho-Phosphate	0.017	J	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-336703	Analysis Date: 06/27/2014 1450						
Total Organic Carbon	4.4		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-338451	Analysis Date: 07/08/2014 2308						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	230		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-337250	Analysis Date: 07/01/2014 1947						
Total Dissolved Solids	15000		mg/L	50	50	1.0	2540C-2011
Analysis Batch: 680-337098	Analysis Date: 07/01/2014 1129						
Sulfide	<1.0		mg/L	1.0	1.0	1.0	4500 S2 F-2011
Analysis Batch: 680-337572	Analysis Date: 07/03/2014 1159						

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.: 680-102773-1

SDG No.: 680102773-1

Matrix: Water Level: Low Lab File ID: 0703141855-40.d

Lab ID: LCS 680-337544/40 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Sulfate	10.0	9.75	98	90-110	
Fluoride	2.00	2.03	101	90-110	
Chloride	10.0	9.79	98	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.: 680-102773-1

SDG No.: 680102773-1

Matrix: Water Level: Low Lab File ID: 0703141909-41.d

Lab ID: LCSD 680-337544/41 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	10.0	9.78	98	0	30	90-110	
Fluoride	2.00	2.03	102	0	30	90-110	
Chloride	10.0	9.83	98	0	30	90-110	

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.: 680-102773-1

SDG No.: 680102773-1

Lab File ID: 0703141840-39.d Lab Sample ID: MB 680-337544/39

Matrix: Water Date Extracted:

Instrument ID: CICL Date Analyzed: 07/03/2014 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 680-337544/40	0703141855-40.d	07/03/2014 18:55
	LCSD 680-337544/41	0703141909-41.d	07/03/2014 19:09
	CCB 680-337544/51	0703142133-51.d	07/03/2014 21:33
SMSMW04A	680-102773-1	0703142148-52.d	07/03/2014 21:48
SMSMW04A	680-102773-1	0703142216-54.d	07/03/2014 22:16
	CCB 680-337544/59	0703142328-59.d	07/03/2014 23:28

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Client Sample ID: SMSMW04A Lab Sample ID: 680-102773-1

Matrix: Water Lab File ID: 0703142148-52.d

Analysis Method: 300.0 Date Collected: 06/26/2014 09:07

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 07/03/2014 21:48

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.: 337544 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	540		25	13
16984-48-8	Fluoride	<1.3		5.0	1.3

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140703-10713.b\0703142148-52.d				
Lims ID:	680-102773-D-1	Lab Sample ID:	680-102773-1		
Client ID:	SMSMW04A				
Sample Type:	Client				
Inject. Date:	03-Jul-2014 21:48:00	ALS Bottle#:	0	Worklist Smp#:	52
Injection Vol:	25.0 ul	Dil. Factor:	50.0000		
Sample Info:	680-102773-D-1 1L070314 connie				
Misc. Info.:	8607 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140703-10713.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	07-Jul-2014 16:12:11	Calib Date:	22-May-2014 12:51:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK019				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Fluoride	3.242	3.250	-0.008	258844	0.0141	
2 Chloride	4.508	4.542	-0.034	4288006415	208.0	E
3 Sulfate	6.242	6.250	-0.008	164592481	10.7	

QC Flag Legend

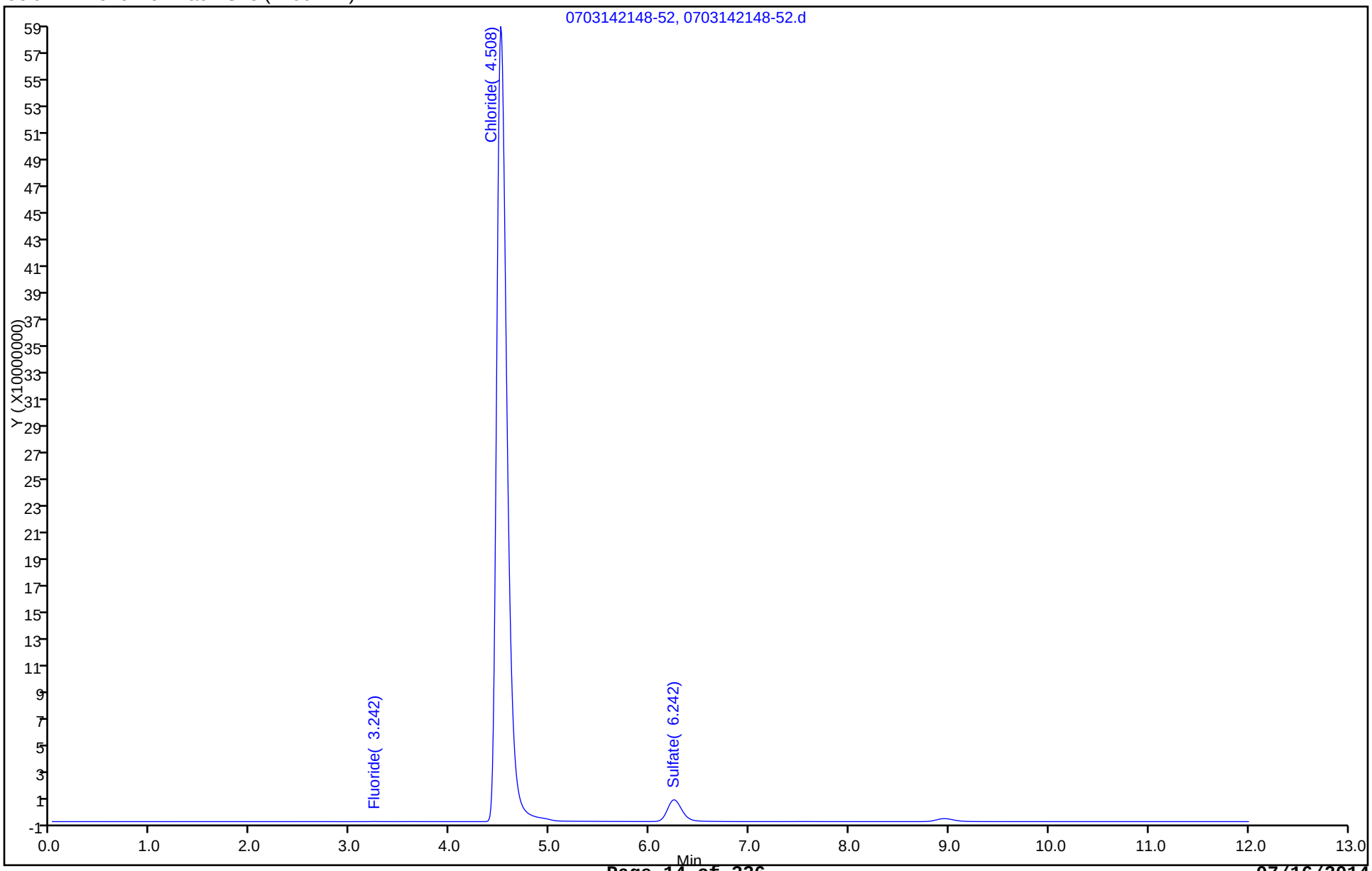
Processing Flags
E - Exceeded Maximum Amount

Report Date: 07-Jul-2014 16:12:12 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140703-10713.b\0703142148-52.d				
Injection Date:	03-Jul-2014 21:48:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102773-D-1	Lab Sample ID:	680-102773-1	Worklist Smp#:	52
Client ID:	SMSMW04A				
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.: 680-102773-1

SDG No.: 680102773-1

Client Sample ID: SMSMW04A Lab Sample ID: 680-102773-1

Matrix: Water Lab File ID: 0703142216-54.d

Analysis Method: 300.0 Date Collected: 06/26/2014 09:07

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 07/03/2014 22:16

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.: 337544 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\20140703-10713.b\0703142216-54.d				
Lims ID:	680-102773-D-1	Lab Sample ID:	680-102773-1		
Client ID:	SMSMW04A				
Sample Type:	Client				
Inject. Date:	03-Jul-2014 22:16:00	ALS Bottle#:	0	Worklist Smp#:	54
Injection Vol:	25.0 ul	Dil. Factor:	500.0000		
Sample Info:	680-102773-D-1 1L070314 connie				
Misc. Info.:	18804 OF				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140703-10713.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	07-Jul-2014 16:12:11	Calib Date:	22-May-2014 12:51:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK019				

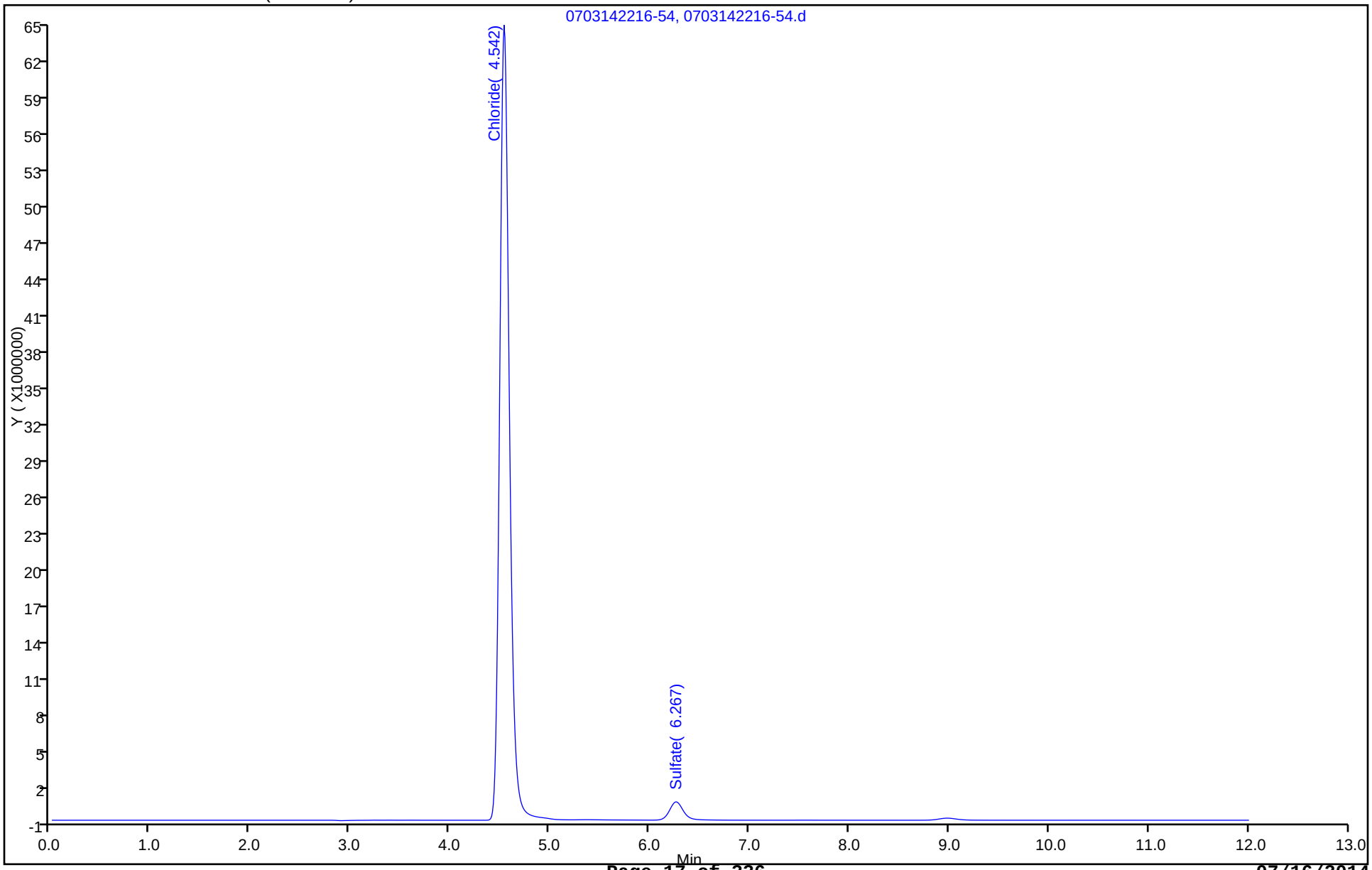
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
2 Chloride	4.542	4.542	0.000	440827030	21.5	
3 Sulfate	6.267	6.250	0.017	14089868	0.9232	

Report Date: 07-Jul-2014 16:12:12 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICL\20140703-10713.b\0703142216-54.d				
Injection Date:	03-Jul-2014 22:16:00	Instrument ID:	CICL	Operator ID:	
Lims ID:	680-102773-D-1	Lab Sample ID:	680-102773-1	Worklist Smp#:	54
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 VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1 Analy Batch No.: 330350

SDG No.: 680102773-1

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

Calibration Start Date: 05/22/2014 11:25 Calibration End Date: 05/22/2014 12:51 Calibration ID: 30254

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-330350/4	0522141125-14.d
Level 2	IC 680-330350/5	0522141139-15.d
Level 3	IC 680-330350/6	0522141153-16.d
Level 4	IC 680-330350/7	0522141208-17.d
Level 5	IC 680-330350/8	0522141222-18.d
Level 6	IC 680-330350/9	0522141236-19.d
Level 7	IC 680-330350/10	0522141251-20.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Fluoride	3.250	3.250	3.250	3.250	3.258	3.258	3.258				3.000 - 3.500	3.253
Chloride	4.575	4.575	4.567	4.575	4.567	4.567	4.558				4.325 - 4.825	4.569
Sulfate	6.342	6.350	6.350	6.342	6.325	6.308	6.250				6.092 - 6.592	6.324
Bromide	7.658	7.658	7.650	7.650	7.633	7.608	+++++				7.400 - 7.900	7.643

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

Lab Name: TestAmerica Savannah Job No.: 680-102773-1 Analy Batch No.: 330350

SDG No.: 680102773-1

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

Calibration Start Date: 05/22/2014 11:25 Calibration End Date: 05/22/2014 12:51 Calibration ID: 30254

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-330350/4	0522141125-14.d
Level 2	IC 680-330350/5	0522141139-15.d
Level 3	IC 680-330350/6	0522141153-16.d
Level 4	IC 680-330350/7	0522141208-17.d
Level 5	IC 680-330350/8	0522141222-18.d
Level 6	IC 680-330350/9	0522141236-19.d
Level 7	IC 680-330350/10	0522141251-20.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	29869060 34498761	30404955 34190695	33196862 32348943	34730968	Lin1	-211247.47	33318220.1							0.9990		0.9900
Chloride	17470918 20468222	18697272 20629248	19870426 20709943	20312311	Lin2	-1654653.2	20628054.6							1.0000		0.9900
Sulfate	14631278 15488837	15149912 15272498	15691546 15371138	15682782	Lin1	-120035.13	15391503.3							1.0000		0.9900
Bromide	6323180 8781488	6977993 8980260	7822317 +++++	8389252	Lin2	-1320528.0	8704411.79							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.: 680-102773-1 Analy Batch No.: 330350

SDG No.: 680102773-1

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

Calibration Start Date: 05/22/2014 11:25 Calibration End Date: 05/22/2014 12:51 Calibration ID: 30254

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-330350/4	0522141125-14.d
Level 2	IC 680-330350/5	0522141139-15.d
Level 3	IC 680-330350/6	0522141153-16.d
Level 4	IC 680-330350/7	0522141208-17.d
Level 5	IC 680-330350/8	0522141222-18.d
Level 6	IC 680-330350/9	0522141236-19.d
Level 7	IC 680-330350/10	0522141251-20.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	2986906 136762781	6080991 258791546	16598431	34730968	68997522	0.100 4.00	0.200 8.00	0.500	1.00	2.00
Chloride	Lin2	8735459 412584952	18697272 1035497162	49676065	101561553	204682221	0.500 20.0	1.00 50.0	2.50	5.00	10.0
Sulfate	Lin1	7315639 305449952	15149912 768556902	39228866	78413909	154888370	0.500 20.0	1.00 50.0	2.50	5.00	10.0
Bromide	Lin2	3161590 179605203	6977993 +++++	19555792	41946262	87814884	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\CICL\20140522-9285.b\0522141125-14.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	1		
Inject. Date:	22-May-2014 11:25:00	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-1 1L052214 connie				
Misc. Info.:	16728 3589506				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	22-May-2014 14:01:01	Calib Date:	22-May-2014 12:51:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK008				

First Level Reviewer: thorntonp Date: 22-May-2014 12:09:18

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.250	3.250	0.000	2986906	0.1000	0.0960	
2 Chloride	4.575	4.575	0.000	8735459	0.5000	0.5037	
3 Sulfate	6.342	6.342	0.000	7315639	0.5000	0.4831	
4 Bromide	7.658	7.650	0.008	3161590	0.5000	0.5149	

Report Date: 22-May-2014 14:01:01 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141125-14.d

Injection Date: 22-May-2014 11:25:00 Instrument ID: CICL Operator ID:

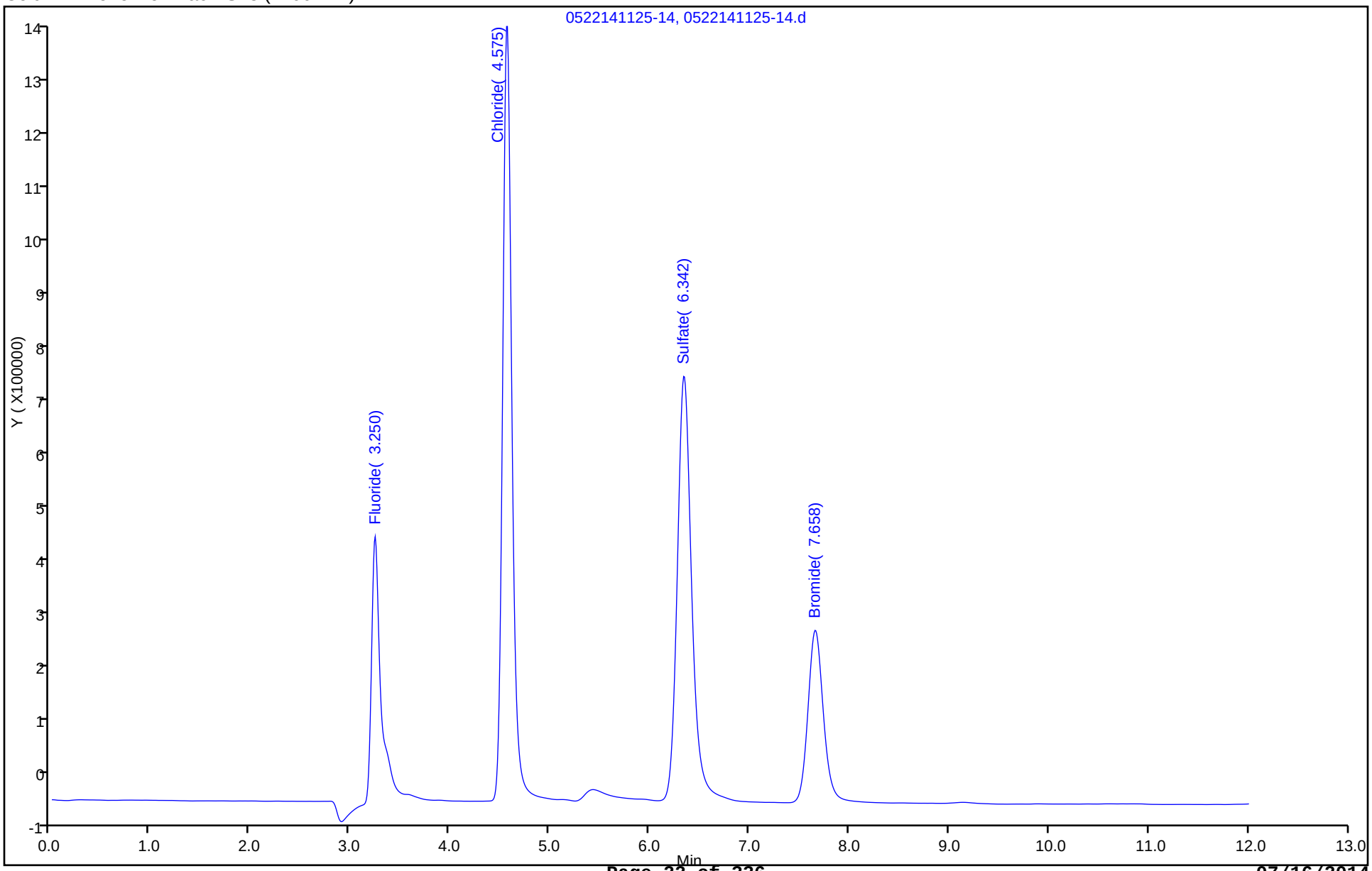
Lims ID: IC Worklist Smp#: 4

Client ID:

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

Method: 300.0_9056A_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\20140522-9285.b\0522141139-15.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	2		
Inject. Date:	22-May-2014 11:39:00	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-2 1L052214 connie				
Misc. Info.:	6748 3589553				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	22-May-2014 14:01:02	Calib Date:	22-May-2014 12:51:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK008				

First Level Reviewer: thorntonp Date: 22-May-2014 12:25:16

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.250	3.250	0.000	6080991	0.2000	0.1889	
2 Chloride	4.575	4.575	0.000	18697272	1.00	0.9866	
3 Sulfate	6.350	6.342	0.008	15149912	1.00	0.99	
4 Bromide	7.658	7.650	0.008	6977993	1.00	0.9534	

Report Date: 22-May-2014 14:01:02 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141139-15.d

Injection Date: 22-May-2014 11:39:00 Instrument ID: CICL Operator ID:

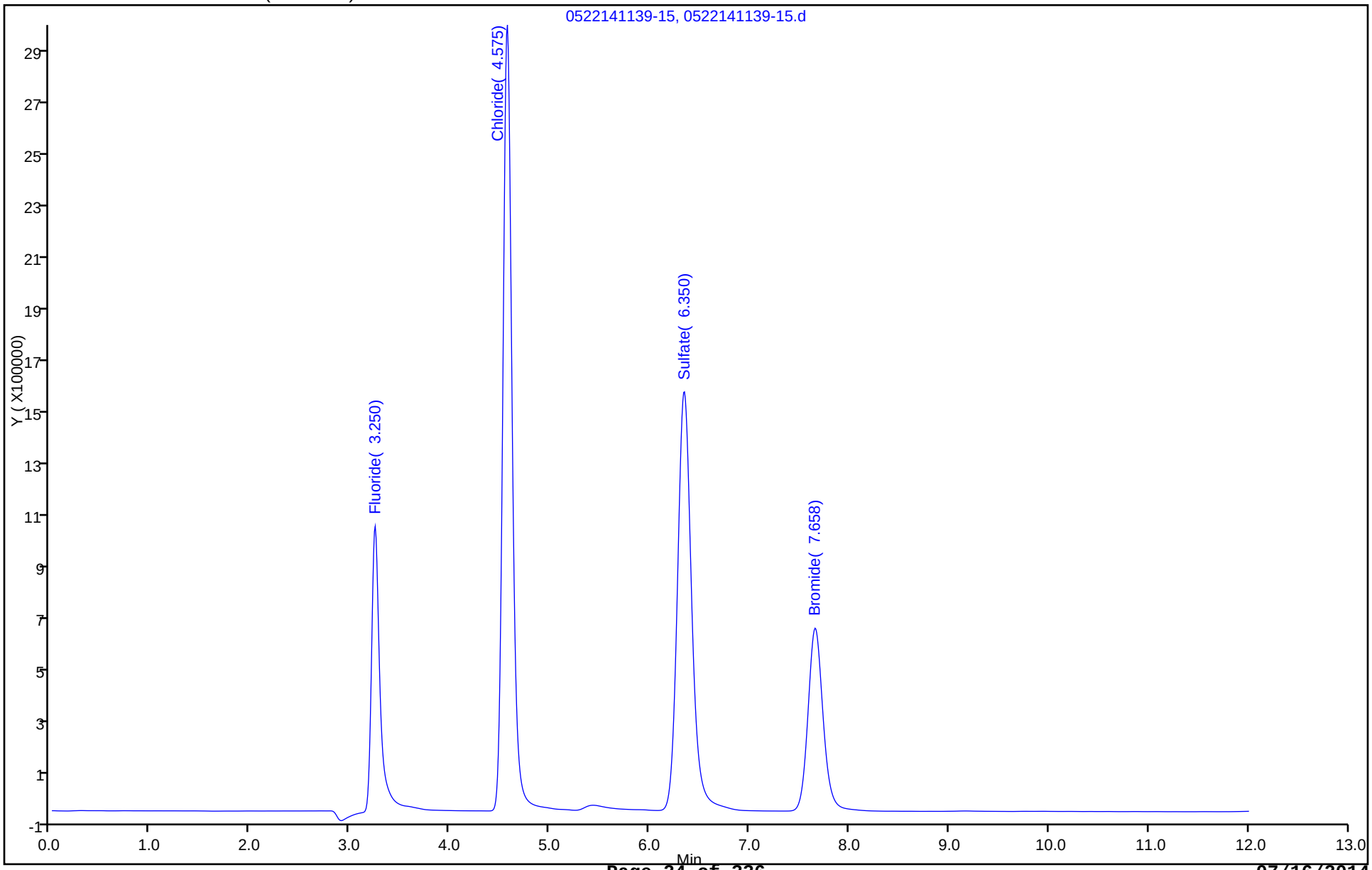
Lims ID: IC Worklist Smp#: 5

Client ID:

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

Method: 300.0_9056A_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\20140522-9285.b\0522141153-16.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	3		
Inject. Date:	22-May-2014 11:53:00	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-3 1L052214 connie				
Misc. Info.:	119 3589558				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	22-May-2014 14:01:02	Calib Date:	22-May-2014 12:51:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK008				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.250	3.250	0.000	16598431	0.5000	0.5045	
2 Chloride	4.567	4.575	-0.008	49676065	2.50	2.49	
3 Sulfate	6.350	6.342	0.008	39228866	2.50	2.56	
4 Bromide	7.650	7.650	0.000	19555792	2.50	2.40	

Report Date: 22-May-2014 14:01:02 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141153-16.d

Injection Date: 22-May-2014 11:53:00 Instrument ID: CICL Operator ID:

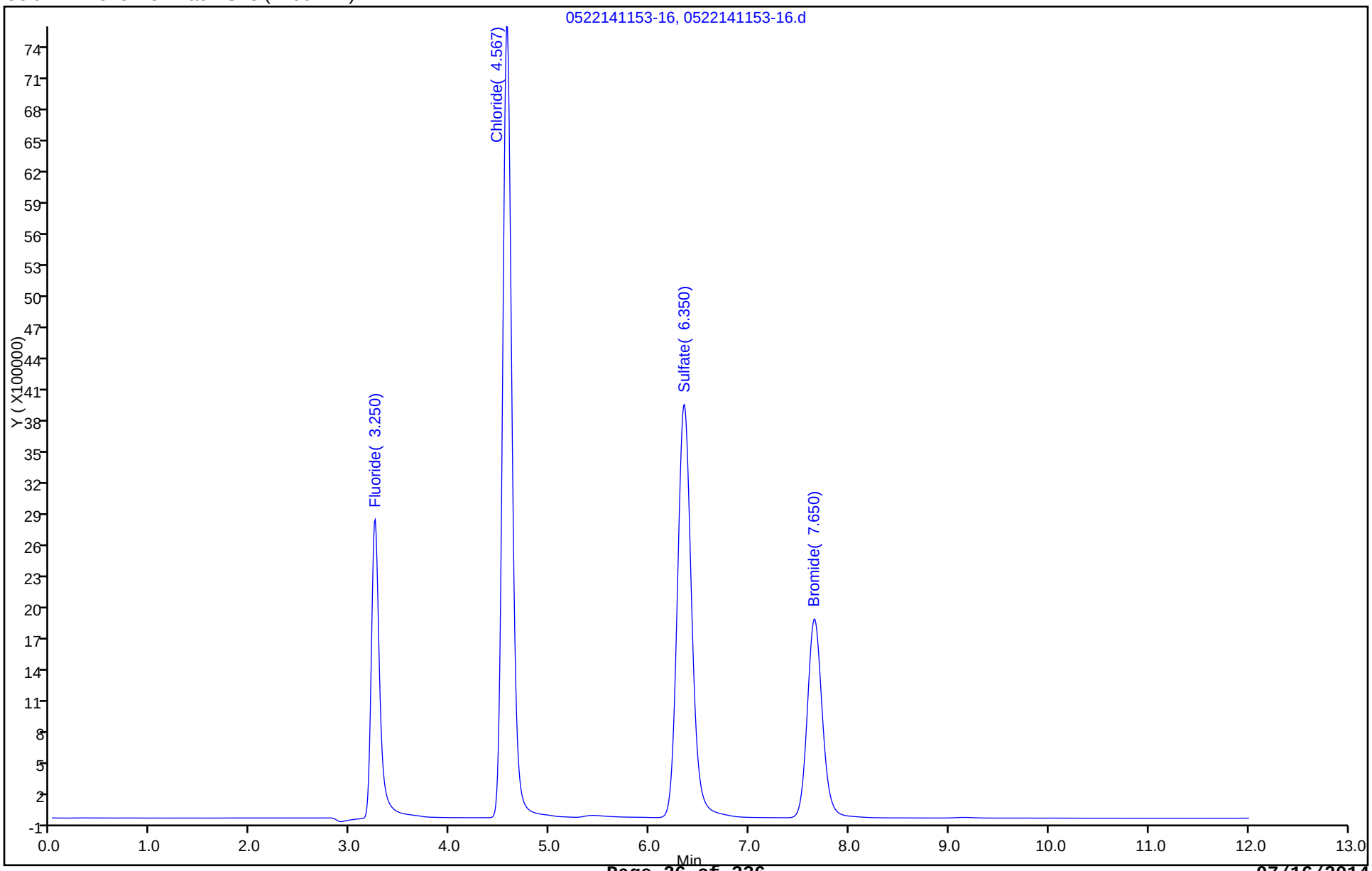
Lims ID: IC Worklist Smp#: 6

Client ID:

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

Method: 300.0_9056A_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\20140522-9285.b\0522141208-17.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	4		
Inject. Date:	22-May-2014 12:08:00	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-4 1L052214 connie				
Misc. Info.:	30239 3589560				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	22-May-2014 14:01:03	Calib Date:	22-May-2014 12:51:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK008				

First Level Reviewer: thorntonp Date: 22-May-2014 12:58:40

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.250	3.250	0.000	34730968	1.00	1.05	
2 Chloride	4.575	4.575	0.000	101561553	5.00	5.00	
3 Sulfate	6.342	6.342	0.000	78413909	5.00	5.10	
4 Bromide	7.650	7.650	0.000	41946262	5.00	4.97	

Report Date: 22-May-2014 14:01:03 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141208-17.d

Injection Date: 22-May-2014 12:08:00 Instrument ID: CICL Operator ID:

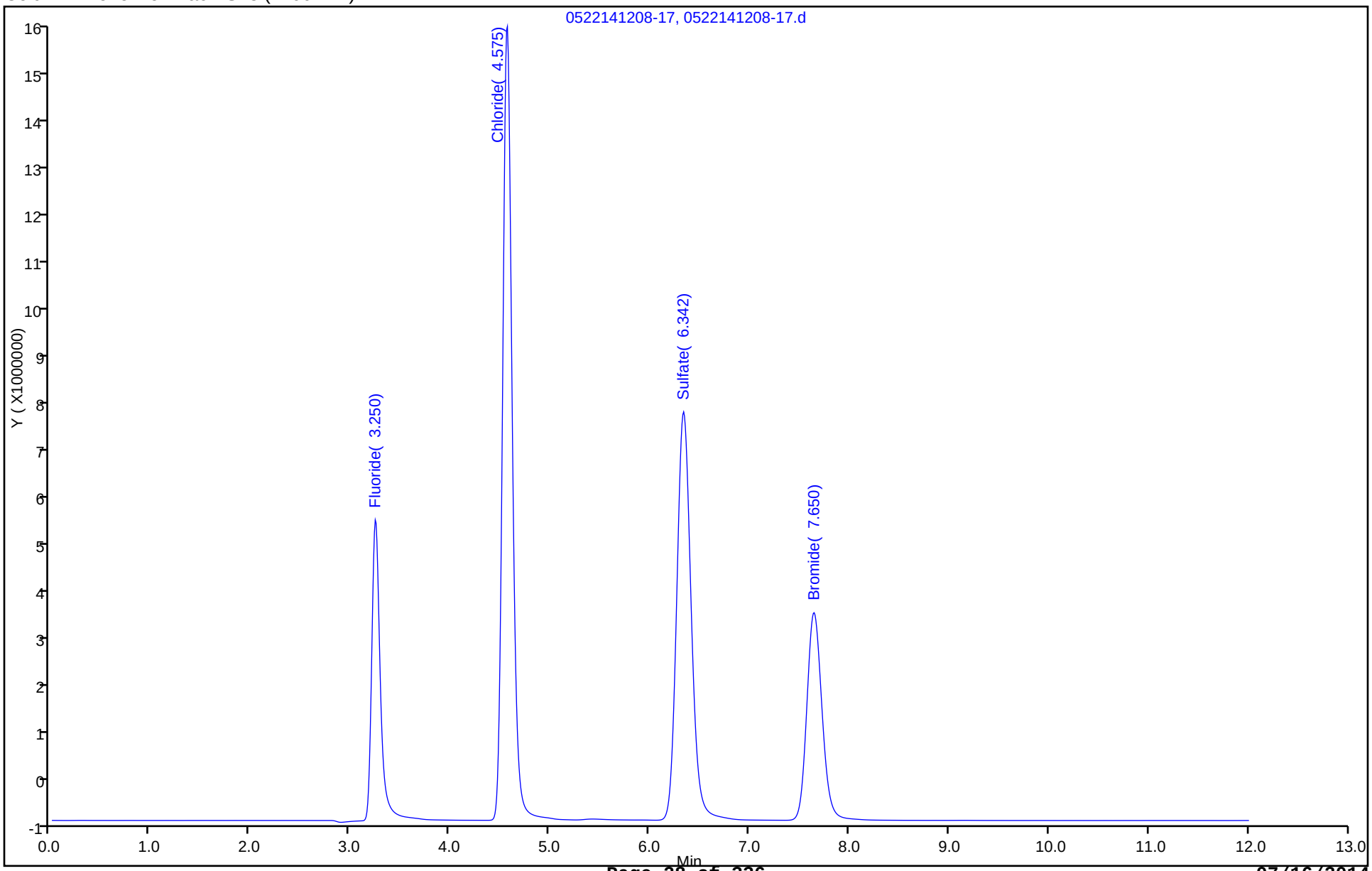
Lims ID: IC Worklist Smp#: 7

Client ID:

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

Method: 300.0_9056A_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\20140522-9285.b\0522141222-18.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	5		
Inject. Date:	22-May-2014 12:22:00	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L052214 connie				
Misc. Info.:	27375 3589562				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	22-May-2014 14:01:03	Calib Date:	22-May-2014 12:51:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK008				

First Level Reviewer: thorntonp Date: 22-May-2014 13:11:21

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.258	3.250	0.008	68997522	2.00	2.08	
2 Chloride	4.567	4.575	-0.008	204682221	10.0	10.0	
3 Sulfate	6.325	6.342	-0.017	154888370	10.0	10.1	
4 Bromide	7.633	7.650	-0.017	87814884	10.0	10.2	

Report Date: 22-May-2014 14:01:03 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141222-18.d

Injection Date: 22-May-2014 12:22:00 Instrument ID: CICL Operator ID:

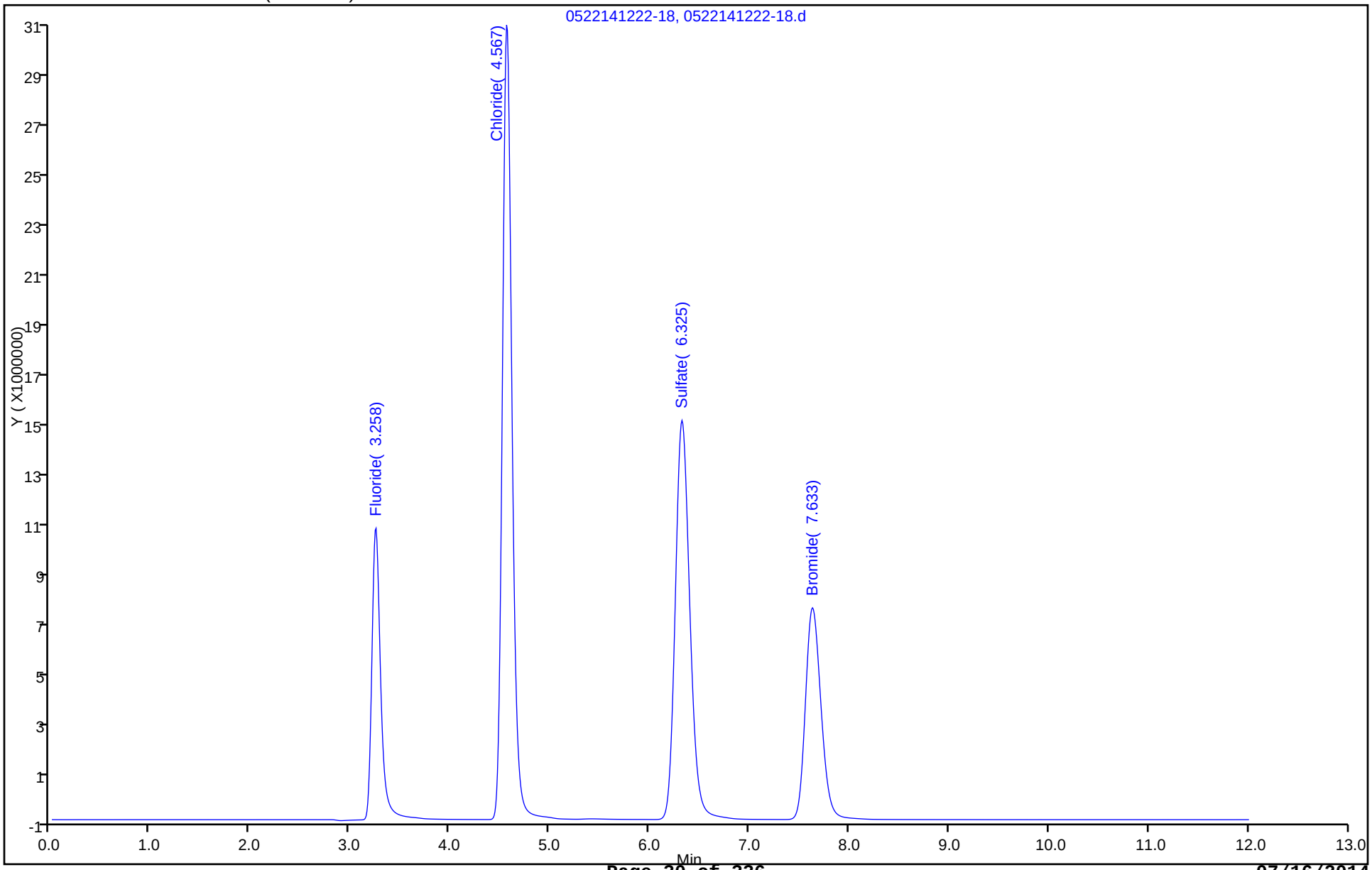
Lims ID: IC Worklist Smp#: 8

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)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141236-19.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	6		
Inject. Date:	22-May-2014 12:36:00	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-6 1L052214 connie				
Misc. Info.:	25110 3589564				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	22-May-2014 14:01:04	Calib Date:	22-May-2014 12:51:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK008				

First Level Reviewer: thorntonp Date: 22-May-2014 13:38:54

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.258	3.250	0.008	136762781	4.00	4.11	
2 Chloride	4.567	4.575	-0.008	412584952	20.0	20.1	
3 Sulfate	6.308	6.342	-0.034	305449952	20.0	19.9	
4 Bromide	7.608	7.650	-0.042	179605203	20.0	20.8	

Report Date: 22-May-2014 14:01:04 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141236-19.d

Injection Date: 22-May-2014 12:36:00 Instrument ID: CICL Operator ID:

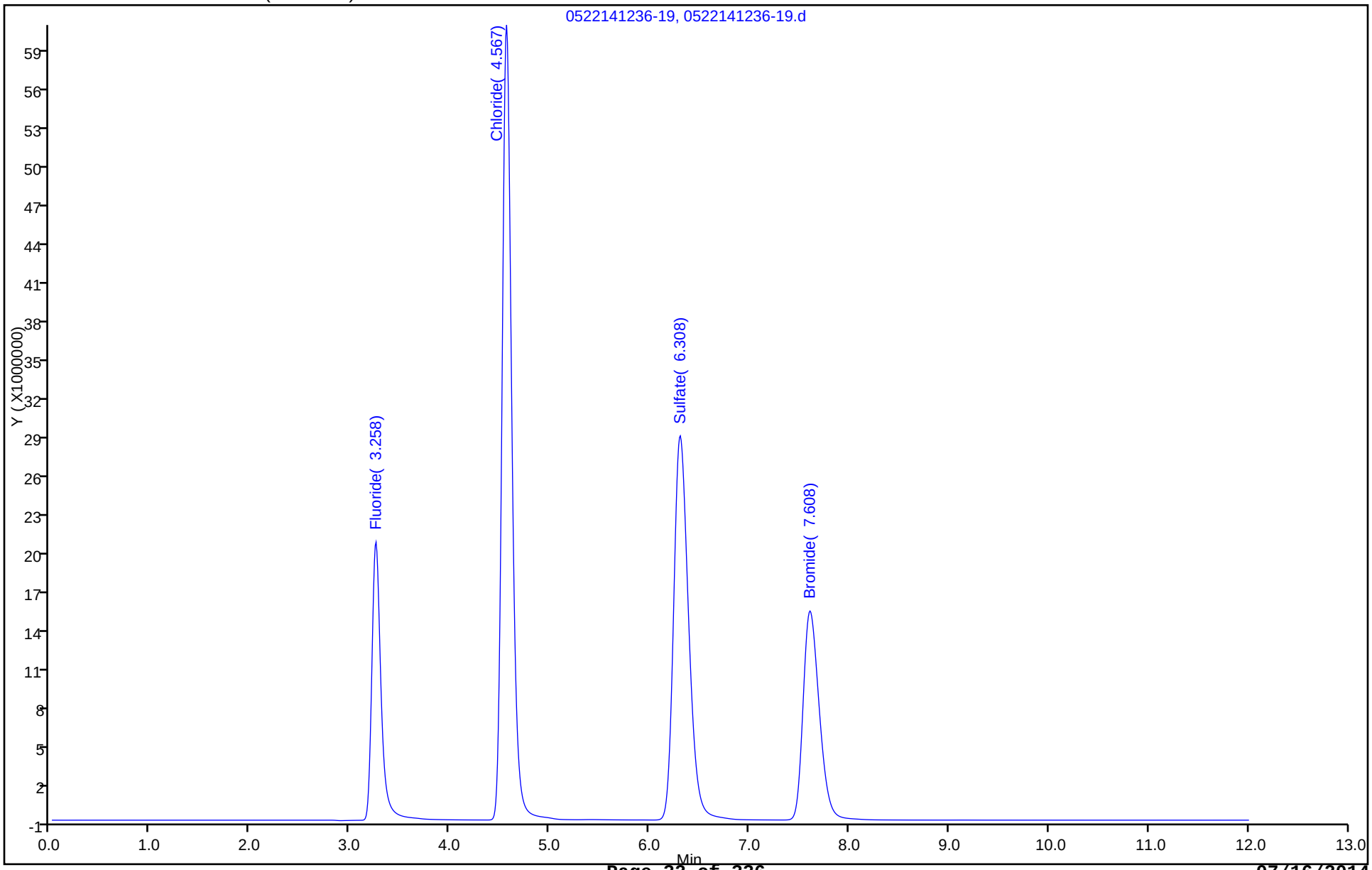
Lims ID: IC Worklist Smp#: 9

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)



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	7		
Inject. Date:	22-May-2014 12:51:00	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-7 1L052214 connie				
Misc. Info.:	14098 3589566				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	22-May-2014 14:01:04	Calib Date:	22-May-2014 12:51:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK008				

First Level Reviewer: thorntonp Date: 22-May-2014 13:37:32

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.258	3.250	0.008	258791546	8.00	7.77	
2 Chloride	4.558	4.575	-0.017	1035497162	50.0	50.3	
3 Sulfate	6.250	6.342	-0.092	768556902	50.0	49.9	
4 Bromide	7.542	7.650	-0.108	455179954	50.0	52.4	

Report Date: 22-May-2014 14:01:04 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d

Injection Date: 22-May-2014 12:51:00 Instrument ID: CICL Operator ID:

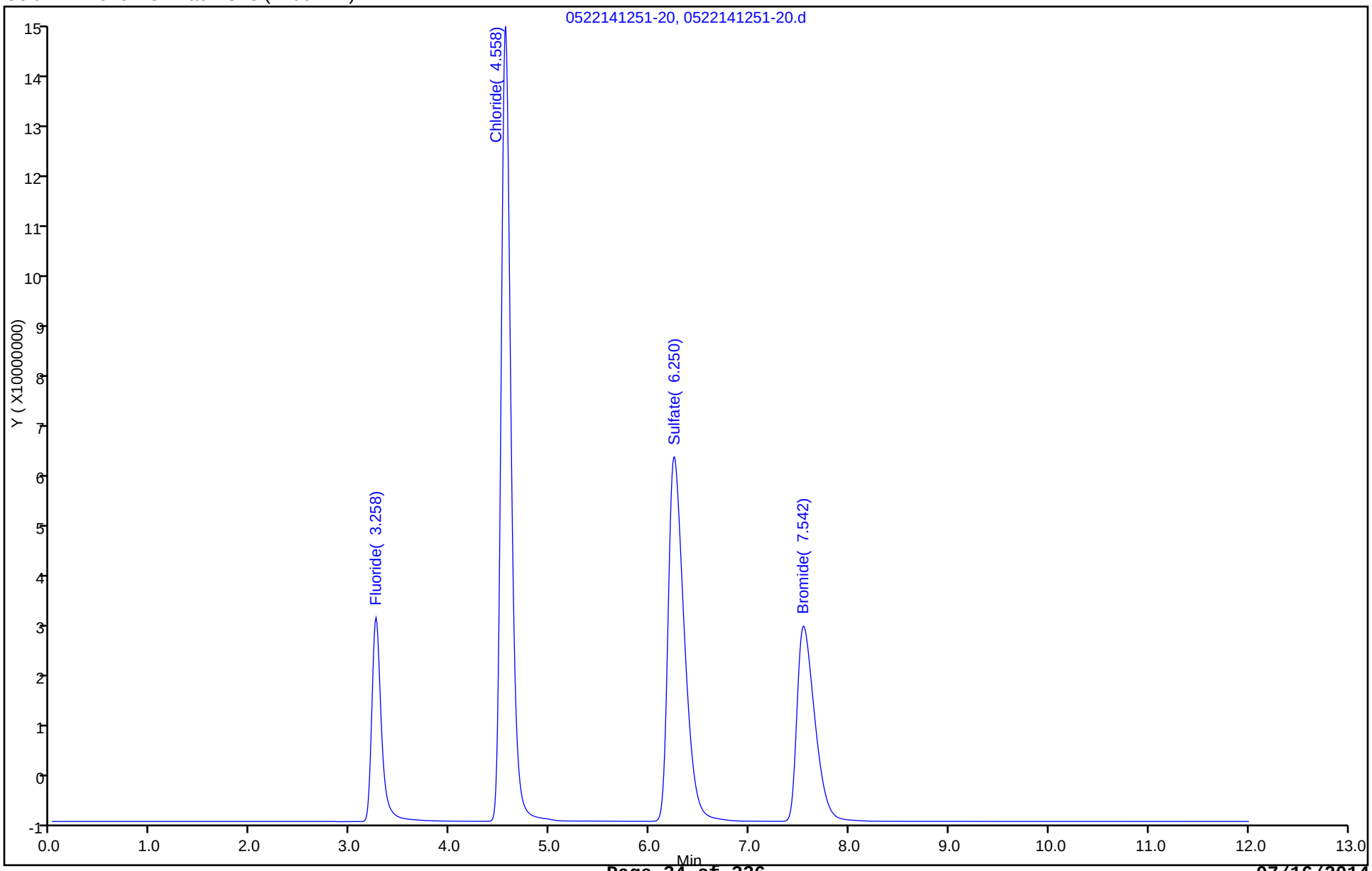
Lims ID: IC Worklist Smp#: 10

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.: 680-102773-1

SDG No.: 680102773-1

Lab Sample ID: ICV 680-330350/12 Calibration Date: 05/22/2014 13:20

Instrument ID: CICL Calib Start Date: 05/22/2014 11:25

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 05/22/2014 12:51

Lab File ID: 0522141320-22.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		34641734		2.09	2.00	4.3	10.0
Chloride	Lin2		20608348		10.1	10.0	0.7	10.0
Sulfate	Lin1		15716474		10.2	10.0	2.2	10.0
Bromide	Lin2		8767683		10.2	10.0	2.2	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Lab Sample ID: ICV 680-330350/12 Calibration Date: 05/22/2014 13:20

Instrument ID: CICL Calib Start Date: 05/22/2014 11:25

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 05/22/2014 12:51

Lab File ID: 0522141320-22.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.25	3.00	3.50
Chloride	4.57	4.33	4.83
Sulfate	6.33	6.09	6.59
Bromide	7.63	7.40	7.90

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141320-22.d				
Lims ID:	ICV				
Client ID:					
Sample Type:	ICV				
Inject. Date:	22-May-2014 13:20:00	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ICV 1L052214 connie				
Misc. Info.:	28185 3589568				
Operator ID:		Instrument ID:	CICL		
Sublist:					

Method:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\300.0_9056A_CICL.m		
Limit Group:	Anions - 28D - ORGFRMS		
Last Update:	22-May-2014 14:01:04	Calib Date:	22-May-2014 12:51:00
Integrator:	Falcon		
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d		

Column 1 :	Dionex Ion Pac AS18 (4.00 mm)	Det: 0423131702-17
Process Host:	XAWRK008	

First Level Reviewer: thorntonp Date: 22-May-2014 13:59:26

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.250	3.250	0.000	69283468	2.00	2.09	
2 Chloride	4.567	4.575	-0.008	206083481	10.0	10.1	
3 Sulfate	6.325	6.342	-0.017	157164739	10.0	10.2	
4 Bromide	7.633	7.650	-0.017	87676825	10.0	10.2	

Report Date: 22-May-2014 14:01:05 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141320-22.d

Injection Date: 22-May-2014 13:20:00 Instrument ID: CICL Operator ID:

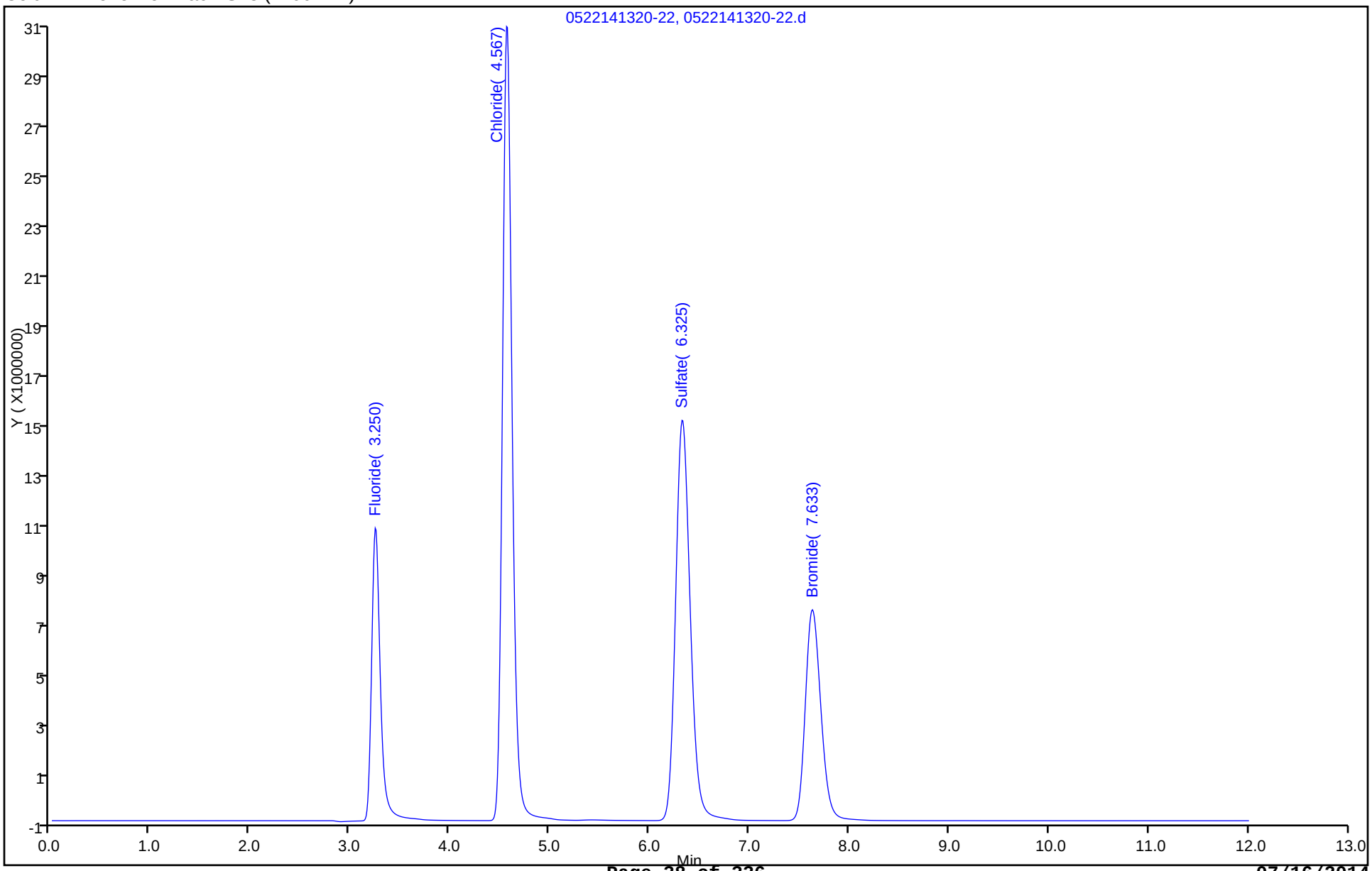
Lims ID: ICV Worklist Smp#: 12

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.: 680-102773-1

SDG No.: 680102773-1

Lab Sample ID: CCV 680-337544/38 Calibration Date: 07/03/2014 18:26

Instrument ID: CICL Calib Start Date: 05/22/2014 11:25

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 05/22/2014 12:51

Lab File ID: 0703141826-38.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		33826632		2.04	2.00	1.8	10.0
Chloride	Lin2		20486162		10.0	10.0	0.1	10.0
Sulfate	Lin1		15040601		9.78	10.0	-2.2	10.0
Bromide	Lin2		8594469		10.0	10.0	0.3	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Lab Sample ID: CCV 680-337544/38 Calibration Date: 07/03/2014 18:26

Instrument ID: CICL Calib Start Date: 05/22/2014 11:25

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 05/22/2014 12:51

Lab File ID: 0703141826-38.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.25	3.00	3.50
Chloride	4.54	4.29	4.79
Sulfate	6.26	6.01	6.51
Bromide	7.53	7.28	7.78

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140703-10713.b\0703141826-38.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	03-Jul-2014 18:26:00	ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L070314 connie				
Misc. Info.:	30151 3647287				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140703-10713.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	07-Jul-2014 16:12:08	Calib Date:	22-May-2014 12:51:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK019				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.250	3.250	0.000	67653264	2.00	2.04	
2 Chloride	4.542	4.542	0.000	204861615	10.0	10.0	
3 Sulfate	6.258	6.258	0.000	150406006	10.0	9.78	
4 Bromide	7.525	7.525	0.000	85944685	10.0	10.0	

Reagents:

Anion-5_00108 Amount Added: 5.00 Units: mL

Report Date: 07-Jul-2014 16:12:08 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140703-10713.b\0703141826-38.d

Injection Date: 03-Jul-2014 18:26:00 Instrument ID: CICL Operator ID:

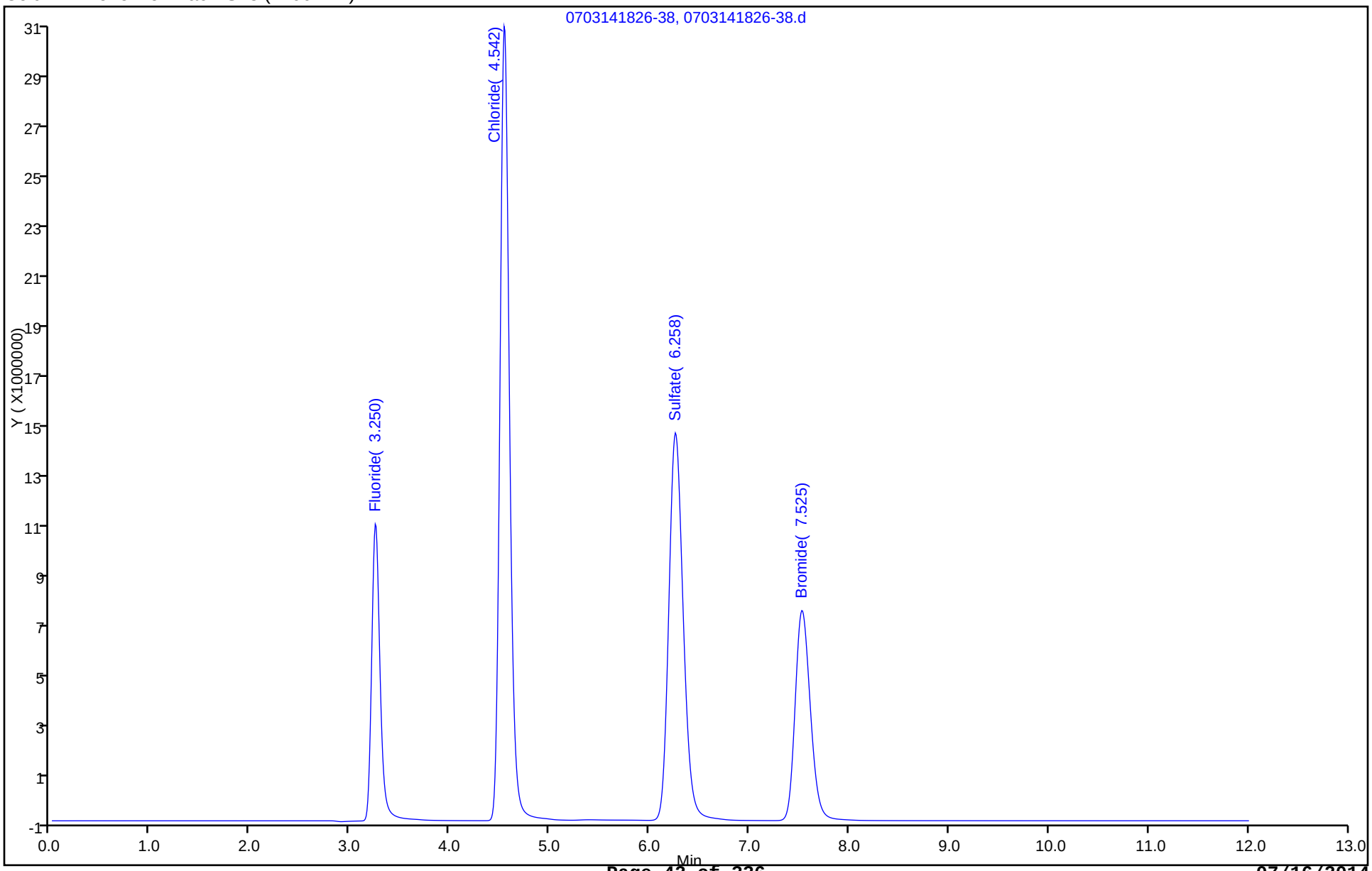
Lims ID: CCV Worklist Smp#: 38

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.: 680-102773-1

SDG No.: 680102773-1

Lab Sample ID: CCV 680-337544/50 Calibration Date: 07/03/2014 21:19

Instrument ID: CICL Calib Start Date: 05/22/2014 11:25

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 05/22/2014 12:51

Lab File ID: 0703142119-50.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		33470440		2.02	2.00	0.8	10.0
Chloride	Lin2		20332138		9.94	10.0	-0.6	10.0
Sulfate	Lin1		14908452		9.69	10.0	-3.1	10.0
Bromide	Lin2		8504942		9.92	10.0	-0.8	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Lab Sample ID: CCV 680-337544/50 Calibration Date: 07/03/2014 21:19

Instrument ID: CICL Calib Start Date: 05/22/2014 11:25

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 05/22/2014 12:51

Lab File ID: 0703142119-50.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.25	3.00	3.50
Chloride	4.54	4.29	4.79
Sulfate	6.25	6.00	6.50
Bromide	7.53	7.28	7.78

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140703-10713.b\0703142119-50.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	03-Jul-2014 21:19:00	ALS Bottle#:	0	Worklist Smp#:	50
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L070314 connie				
Misc. Info.:	12512 3647287				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140703-10713.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	07-Jul-2014 16:12:11	Calib Date:	22-May-2014 12:51:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK019				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.250	3.250	0.000	66940879	2.00	2.02	
2 Chloride	4.542	4.542	0.000	203321382	10.0	9.94	
3 Sulfate	6.250	6.250	0.000	149084523	10.0	9.69	
4 Bromide	7.525	7.525	0.000	85049422	10.0	9.92	

Reagents:

Anion-5_00108 Amount Added: 5.00 Units: mL

Report Date: 07-Jul-2014 16:12:11 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140703-10713.b\0703142119-50.d

Injection Date: 03-Jul-2014 21:19:00 Instrument ID: CICL Operator ID:

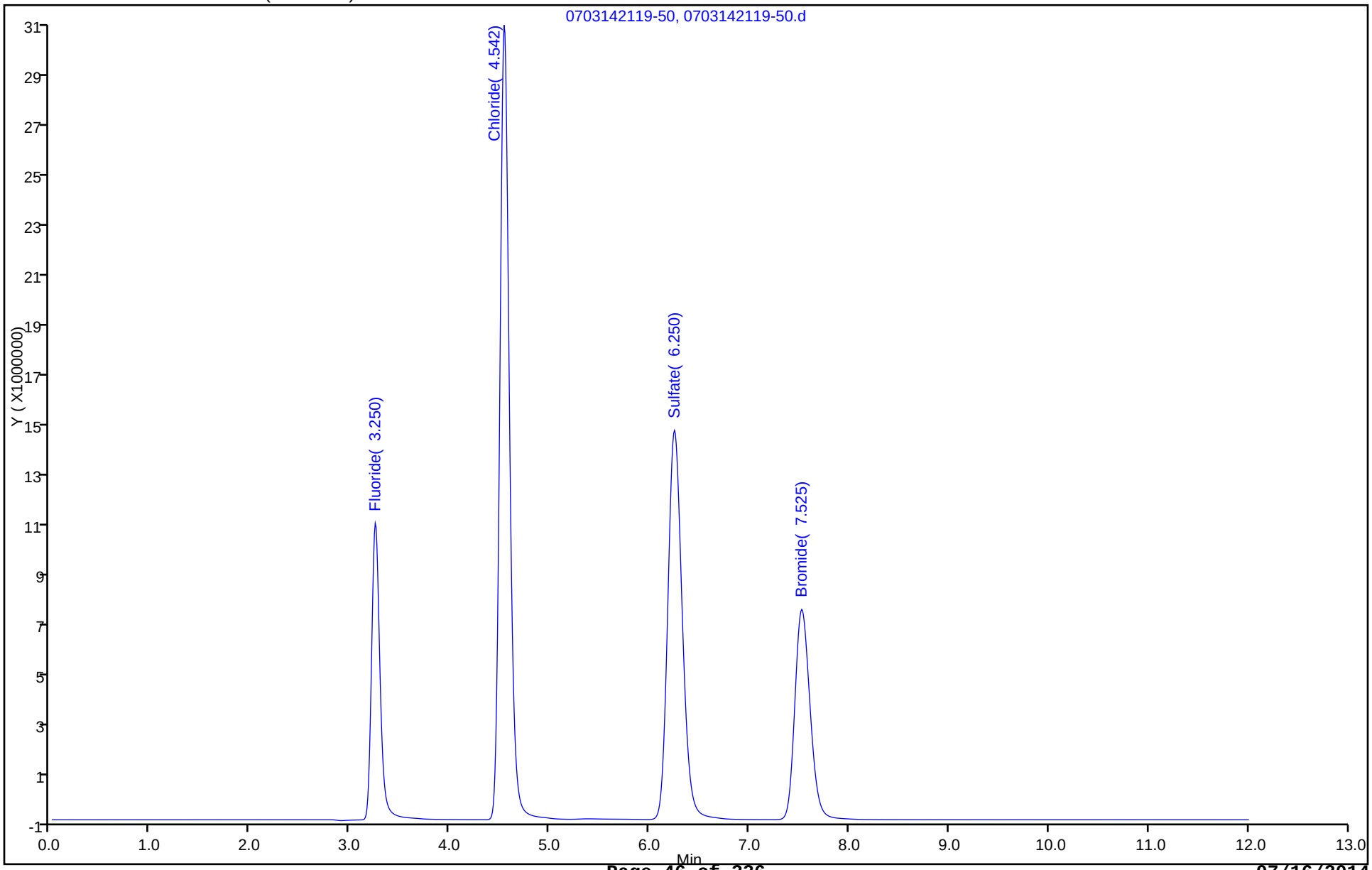
Lims ID: CCV Worklist Smp#: 50

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 VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Lab Sample ID: CCV 680-337544/58 Calibration Date: 07/03/2014 23:14

Instrument ID: CICL Calib Start Date: 05/22/2014 11:25

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 05/22/2014 12:51

Lab File ID: 0703142314-58.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		33629345		2.03	2.00	1.3	10.0
Chloride	Lin2		20400936		9.97	10.0	-0.3	10.0
Sulfate	Lin1		15077242		9.80	10.0	-2.0	10.0
Bromide	Lin2		8522550		9.94	10.0	-0.6	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Lab Sample ID: CCV 680-337544/58 Calibration Date: 07/03/2014 23:14

Instrument ID: CICL Calib Start Date: 05/22/2014 11:25

GC Column: Dionex AS18 ID: 4.00(mm) Calib End Date: 05/22/2014 12:51

Lab File ID: 0703142314-58.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.25	3.00	3.50
Chloride	4.54	4.29	4.79
Sulfate	6.25	6.00	6.50
Bromide	7.53	7.28	7.78

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICL\20140703-10713.b\0703142314-58.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	03-Jul-2014 23:14:00	ALS Bottle#:	0	Worklist Smp#:	58
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ANION-5 1L070314 connie				
Misc. Info.:	5261 3647287				
Operator ID:		Instrument ID:	CICL		
Sublist:	chrom-300.0_9056A_CICL*sub1				
Method:	\\SAVCHROM\ChromData\CICL\20140703-10713.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	07-Jul-2014 16:12:13	Calib Date:	22-May-2014 12:51:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK019				

First Level Reviewer: brazellc Date: 07-Jul-2014 11:51:24

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.250	3.250	0.000	67258690	2.00	2.03	
2 Chloride	4.542	4.542	0.000	204009359	10.0	9.97	
3 Sulfate	6.250	6.250	0.000	150772417	10.0	9.80	
4 Bromide	7.525	7.525	0.000	85225502	10.0	9.94	

Reagents:

Anion-5_00108 Amount Added: 5.00 Units: mL

Report Date: 07-Jul-2014 16:12:14 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140703-10713.b\0703142314-58.d

Injection Date: 03-Jul-2014 23:14:00 Instrument ID: CICL Operator ID:

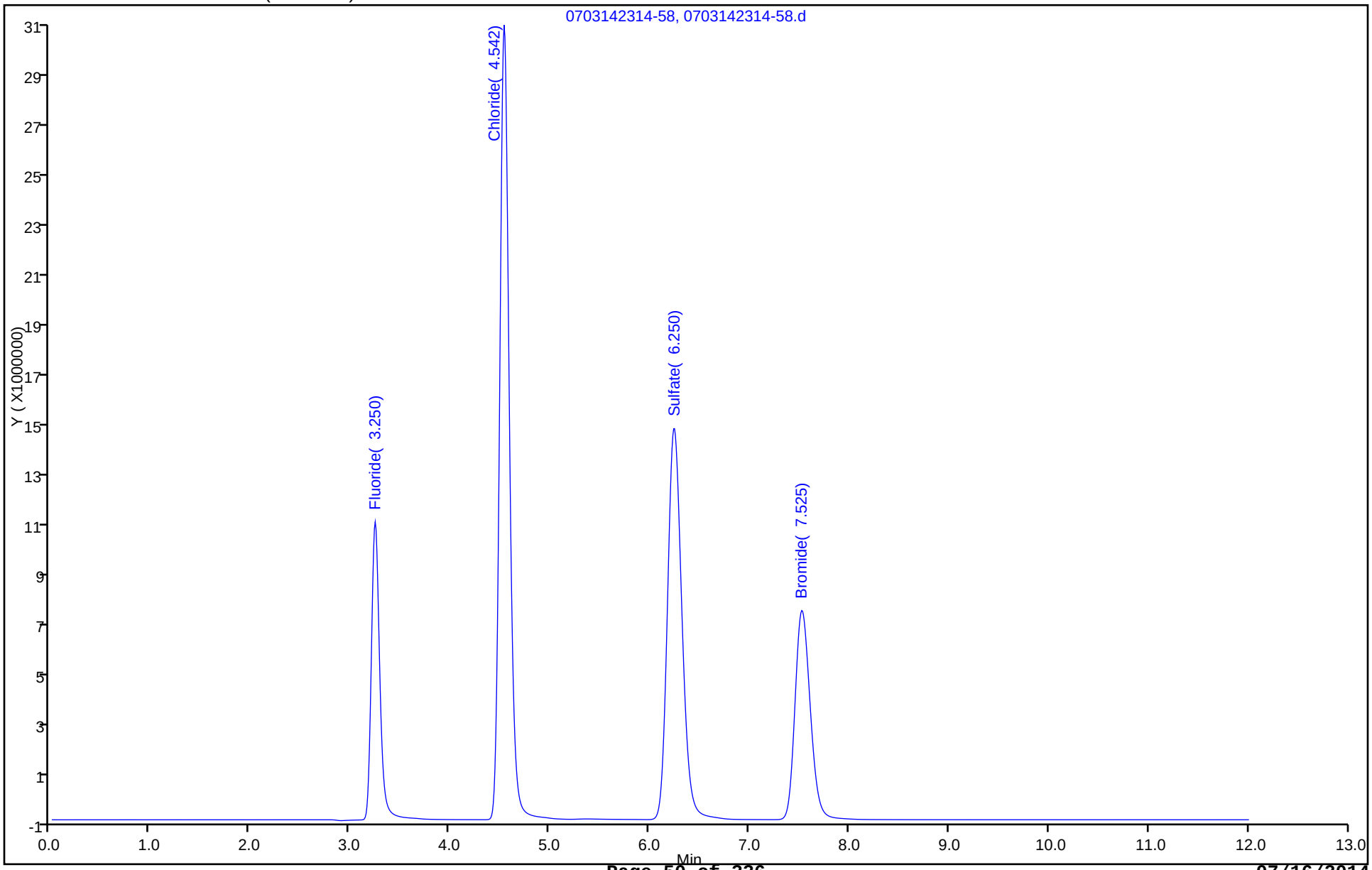
Lims ID: CCV Worklist Smp#: 58

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 I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Client Sample ID: Lab Sample ID: MB 680-337544/39

Matrix: Water Lab File ID: 0703141840-39.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 07/03/2014 18:40

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.: 337544 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\20140703-10713.b\0703141840-39.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	03-Jul-2014 18:40:00	ALS Bottle#:	0	Worklist Smp#:	39
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L070314 connie				
Misc. Info.:	23560				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140703-10713.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	07-Jul-2014 16:12:08	Calib Date:	22-May-2014 12:51:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK019				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

Report Date: 07-Jul-2014 16:12:08 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140703-10713.b\0703141840-39.d

Injection Date: 03-Jul-2014 18:40:00 Instrument ID: CICL Operator ID:

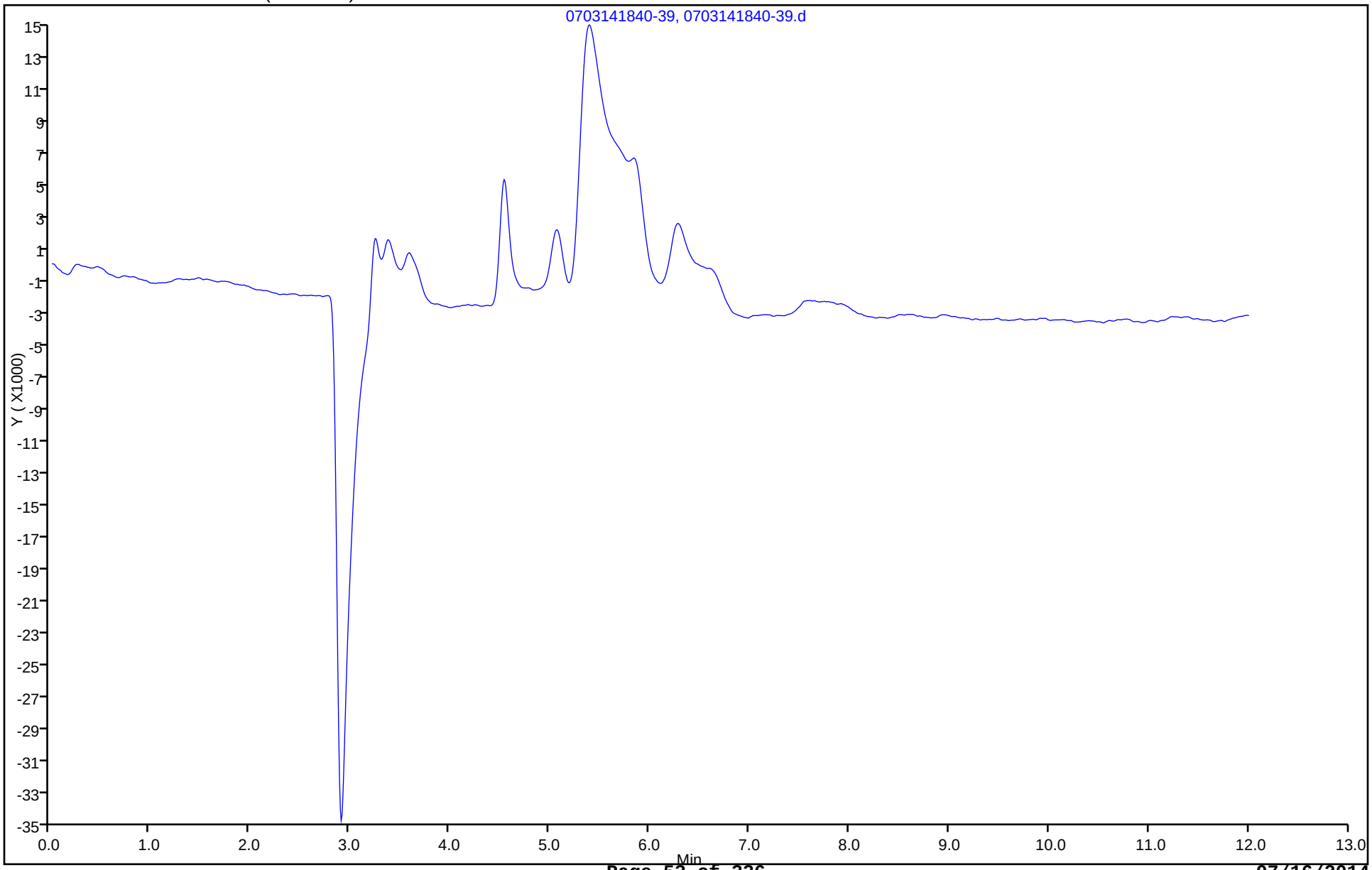
Lims ID: CCB Worklist Smp#: 39

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.: 680-102773-1
SDG No.: 680102773-1
Client Sample ID:
Lab Sample ID: CCB 680-337544/51
Matrix: Water
Lab File ID: 0703142133-51.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 07/03/2014 21:33
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.: 337544
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\20140703-10713.b\0703142133-51.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	03-Jul-2014 21:33:00	ALS Bottle#:	0	Worklist Smp#:	51
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L070314 connie				
Misc. Info.:	15329				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140703-10713.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	07-Jul-2014 16:12:11	Calib Date:	22-May-2014 12:51:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK019				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

Report Date: 07-Jul-2014 16:12:12 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140703-10713.b\0703142133-51.d

Injection Date: 03-Jul-2014 21:33:00 Instrument ID: CICL Operator ID:

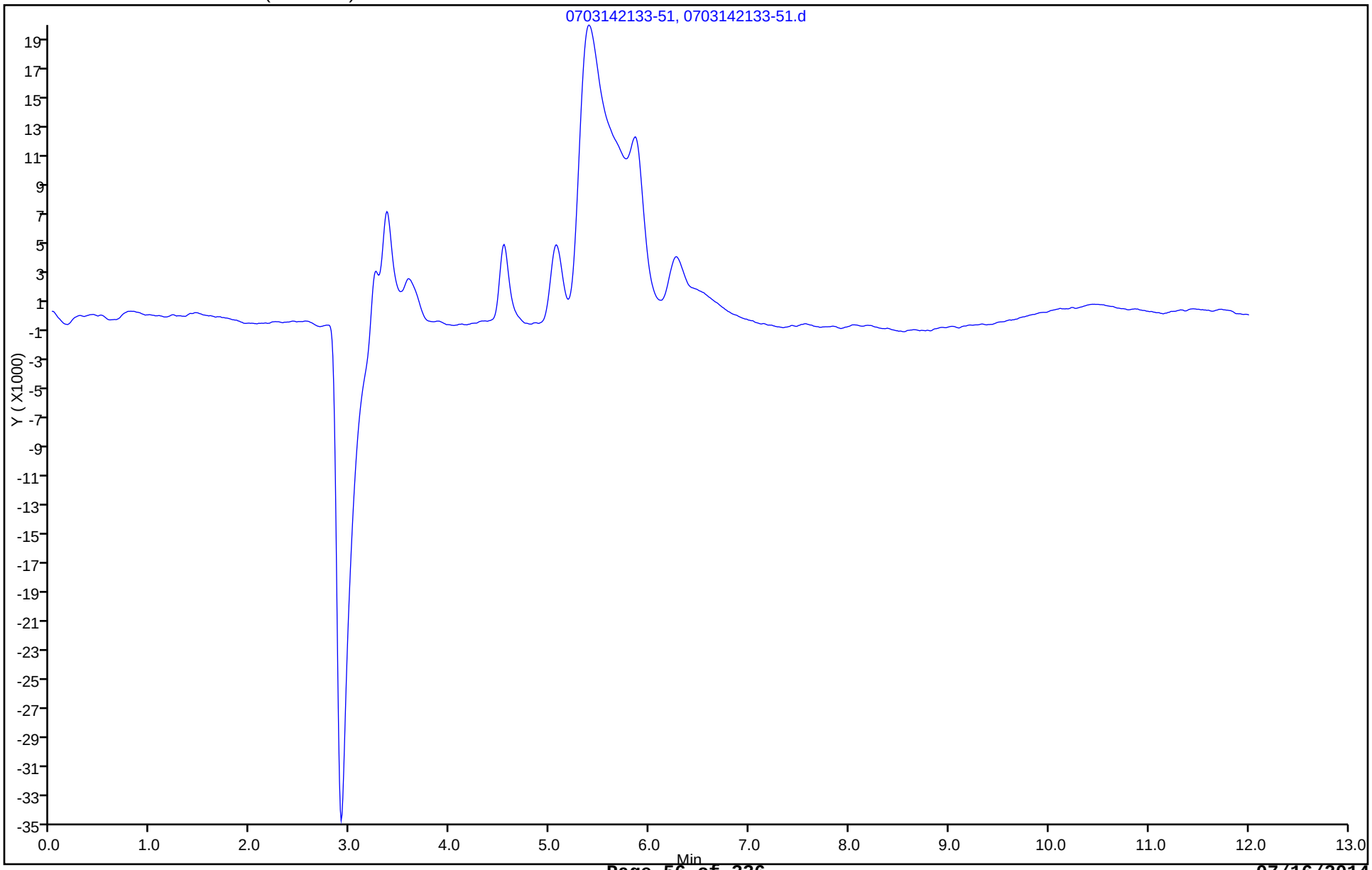
Lims ID: CCB Worklist Smp#: 51

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)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-102773-1
SDG No.: 680102773-1
Client Sample ID:
Lab Sample ID: CCB 680-337544/59
Matrix: Water
Lab File ID: 0703142328-59.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 07/03/2014 23:28
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.: 337544
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\20140703-10713.b\0703142328-59.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	03-Jul-2014 23:28:00	ALS Bottle#:	0	Worklist Smp#:	59
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1L070314 connie				
Misc. Info.:	2408				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140703-10713.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	07-Jul-2014 16:12:13	Calib Date:	22-May-2014 12:51:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK019				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

Report Date: 07-Jul-2014 16:12:14 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140703-10713.b\0703142328-59.d

Injection Date: 03-Jul-2014 23:28:00 Instrument ID: CICL Operator ID:

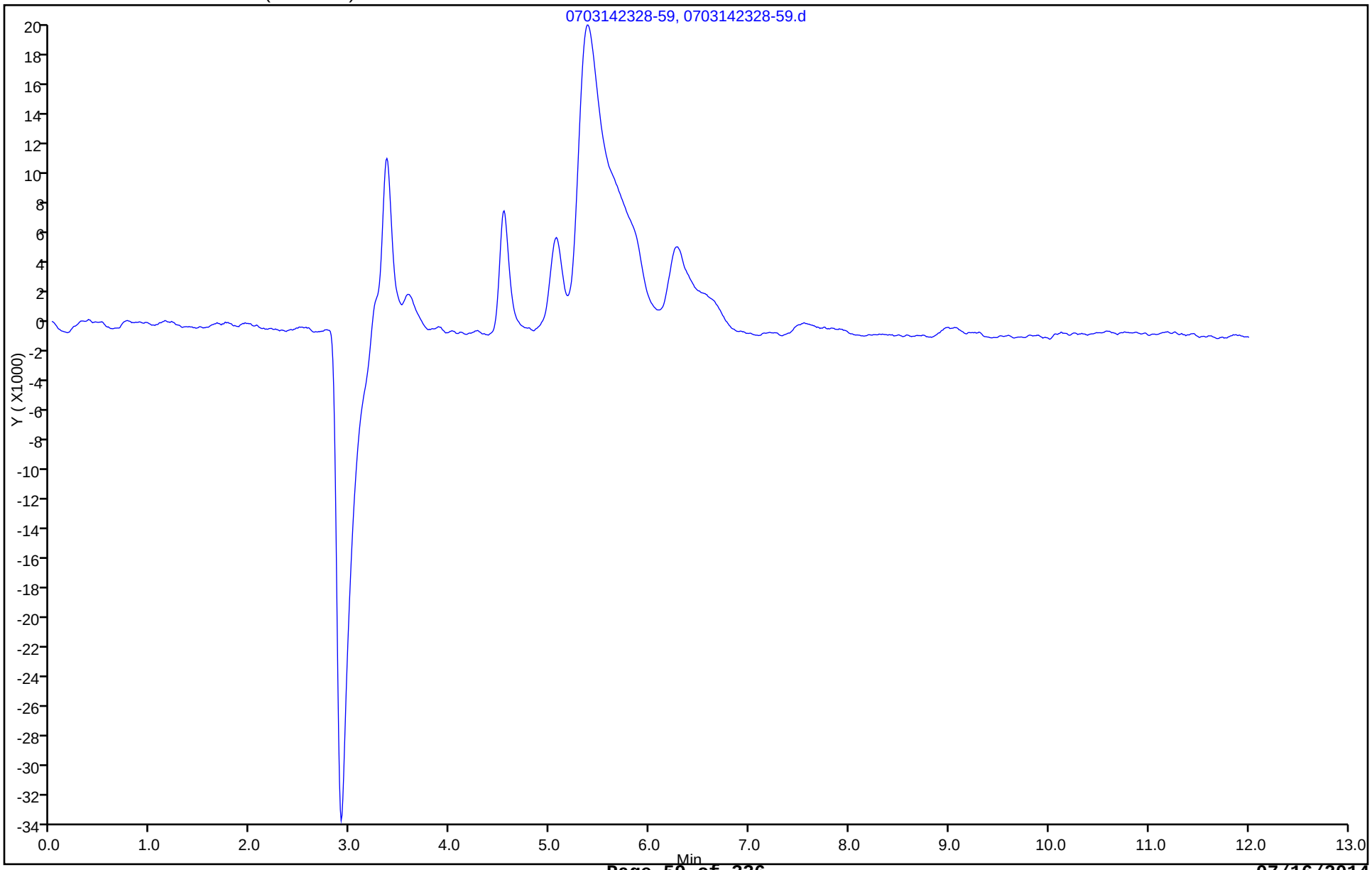
Lims ID: CCB Worklist Smp#: 59

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.: 680-102773-1
SDG No.: 680102773-1
Client Sample ID:
Lab Sample ID: ICB 680-330350/11
Matrix: Water
Lab File ID: 0522141305-21.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 05/22/2014 13:05
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.: 330350
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\20140522-9285.b\0522141305-21.d				
Lims ID:	ICB				
Client ID:					
Sample Type:	ICB				
Inject. Date:	22-May-2014 13:05:00	ALS Bottle#:	0	Worklist Smp#:	11
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	ICB 1L052214 connie				
Misc. Info.:	5946				
Operator ID:		Instrument ID:	CICL		
Method:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\300.0_9056A_CICL.m				
Limit Group:	Anions - 28D - ORGFRMS				
Last Update:	22-May-2014 14:01:04	Calib Date:	22-May-2014 12:51:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d				
Column 1 :	Dionex Ion Pac AS18 (4.00 mm)		Det: 0423131702-17		
Process Host:	XAWRK008				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

Report Date: 22-May-2014 14:01:05 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141305-21.d

Injection Date: 22-May-2014 13:05:00 Instrument ID: CICL Operator ID:

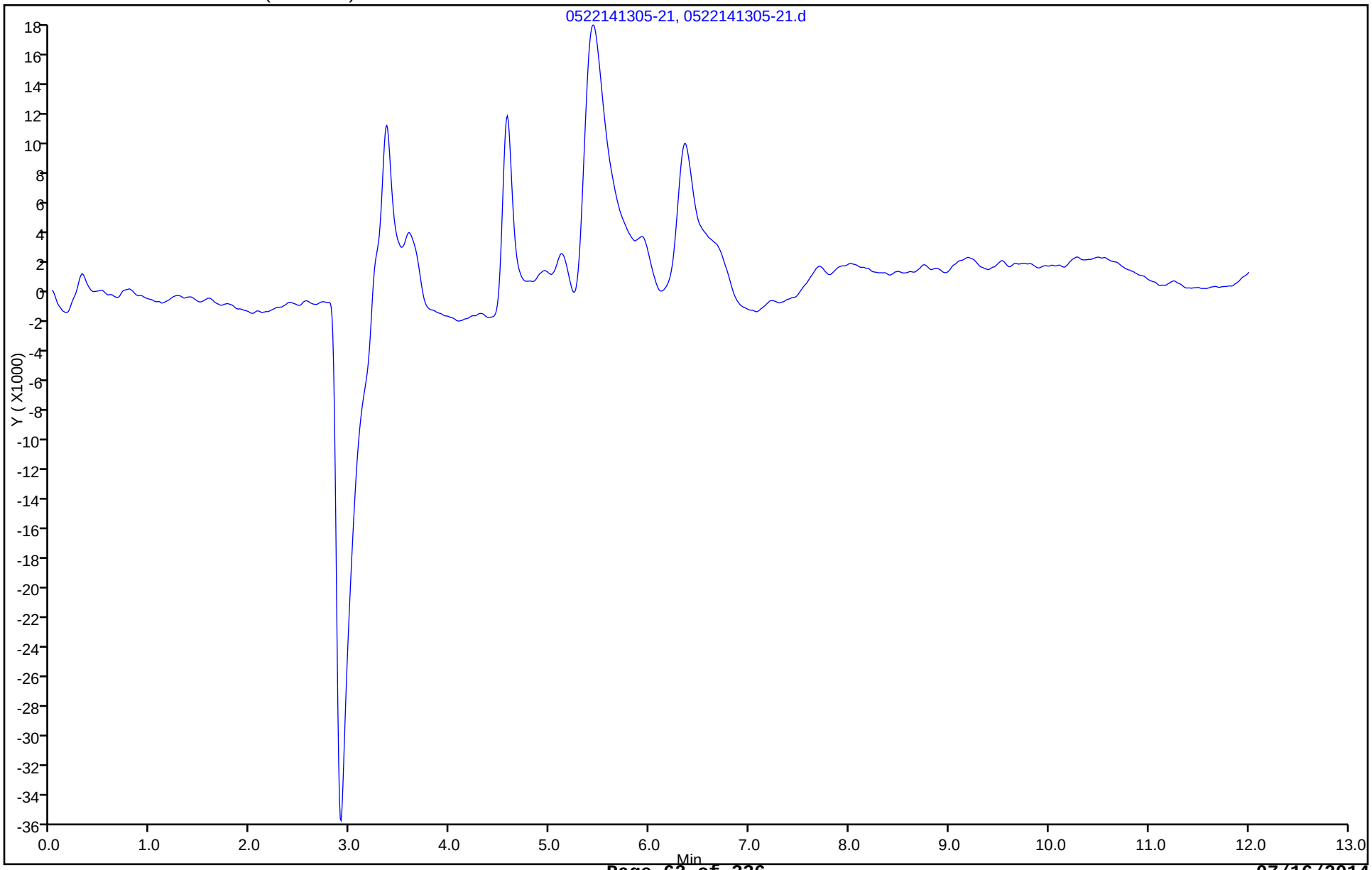
Lims ID: ICB Worklist Smp#: 11

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.: 680-102773-1
SDG No.: 680102773-1
Client Sample ID:
Lab Sample ID: LCS 680-337544/40
Matrix: Water
Lab File ID: 0703141855-40.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 07/03/2014 18:55
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.: 337544
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	9.75		0.50	0.25
16984-48-8	Fluoride	2.03		0.10	0.025
16887-00-6	Chloride	9.79		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140703-10713.b\0703141855-40.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 03-Jul-2014 18:55:00 ALS Bottle#: 0 Worklist Smp#: 40
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCS 1L070314 connie
Misc. Info.: 31656 3620583
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140703-10713.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 07-Jul-2014 16:12:08 Calib Date: 22-May-2014 12:51:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d

Column 1 : Dionex Ion Pac AS18 (4.00 mm) Det: 0423131702-17
Process Host: XAWRK019

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.250	3.250	0.000	67348199	2.00	2.03	
2 Chloride	4.542	4.542	0.000	200263972	10.0	9.79	
3 Sulfate	6.258	6.258	0.000	150007932	10.0	9.75	
4 Bromide	7.533	7.525	0.008	85211445	10.0	9.94	

Reagents:

Anion-ICV_00026 Amount Added: 5.00 Units: mL

Report Date: 07-Jul-2014 16:12:09 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140703-10713.b\0703141855-40.d

Injection Date: 03-Jul-2014 18:55:00 Instrument ID: CICL Operator ID:

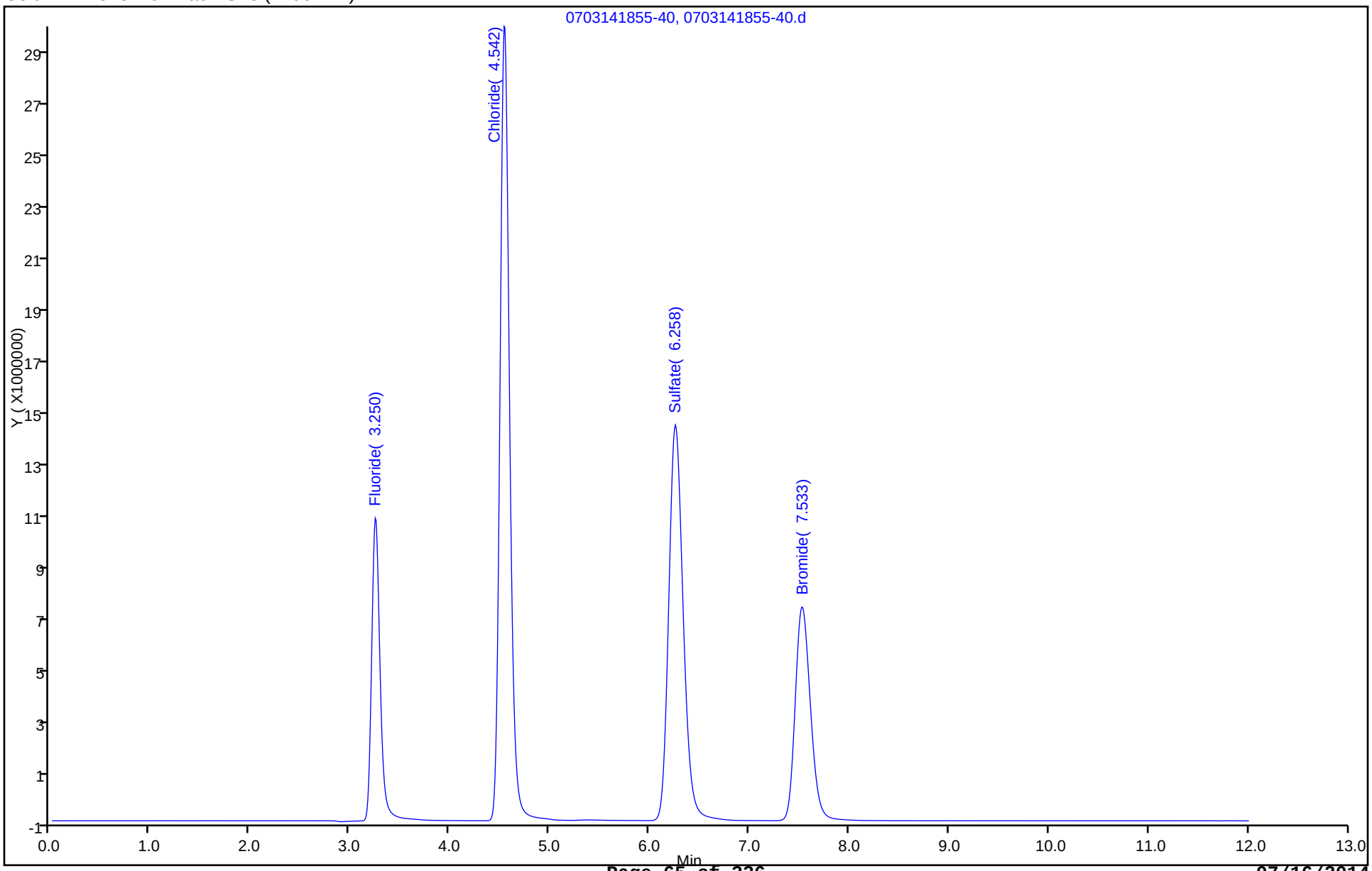
Lims ID: LCS Worklist Smp#: 40

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.: 680-102773-1
SDG No.: 680102773-1
Client Sample ID:
Lab Sample ID: LCSD 680-337544/41
Matrix: Water
Lab File ID: 0703141909-41.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 07/03/2014 19:09
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.: 337544
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	9.78		0.50	0.25
16984-48-8	Fluoride	2.03		0.10	0.025
16887-00-6	Chloride	9.83		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICL\20140703-10713.b\0703141909-41.d
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 03-Jul-2014 19:09:00 ALS Bottle#: 0 Worklist Smp#: 41
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 1L070314 connie
Misc. Info.: 11978 3620583
Operator ID: Instrument ID: CICL

Method: \\SAVCHROM\ChromData\CICL\20140703-10713.b\300.0_9056A_CICL.m
Limit Group: Anions - 28D - ORGFRMS
Last Update: 07-Jul-2014 16:12:08 Calib Date: 22-May-2014 12:51:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICL\20140522-9285.b\0522141251-20.d

Column 1 : Dionex Ion Pac AS18 (4.00 mm) Det: 0423131702-17
Process Host: XAWRK019

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Fluoride	3.250	3.250	0.000	67463133	2.00	2.03	
2 Chloride	4.542	4.542	0.000	201056777	10.0	9.83	
3 Sulfate	6.258	6.258	0.000	150480198	10.0	9.78	
4 Bromide	7.533	7.525	0.008	85617593	10.0	9.99	

Reagents:

Anion-ICV_00026 Amount Added: 5.00 Units: mL

Report Date: 07-Jul-2014 16:12:09 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICL\20140703-10713.b\0703141909-41.d

Injection Date: 03-Jul-2014 19:09:00 Instrument ID: CICL Operator ID:

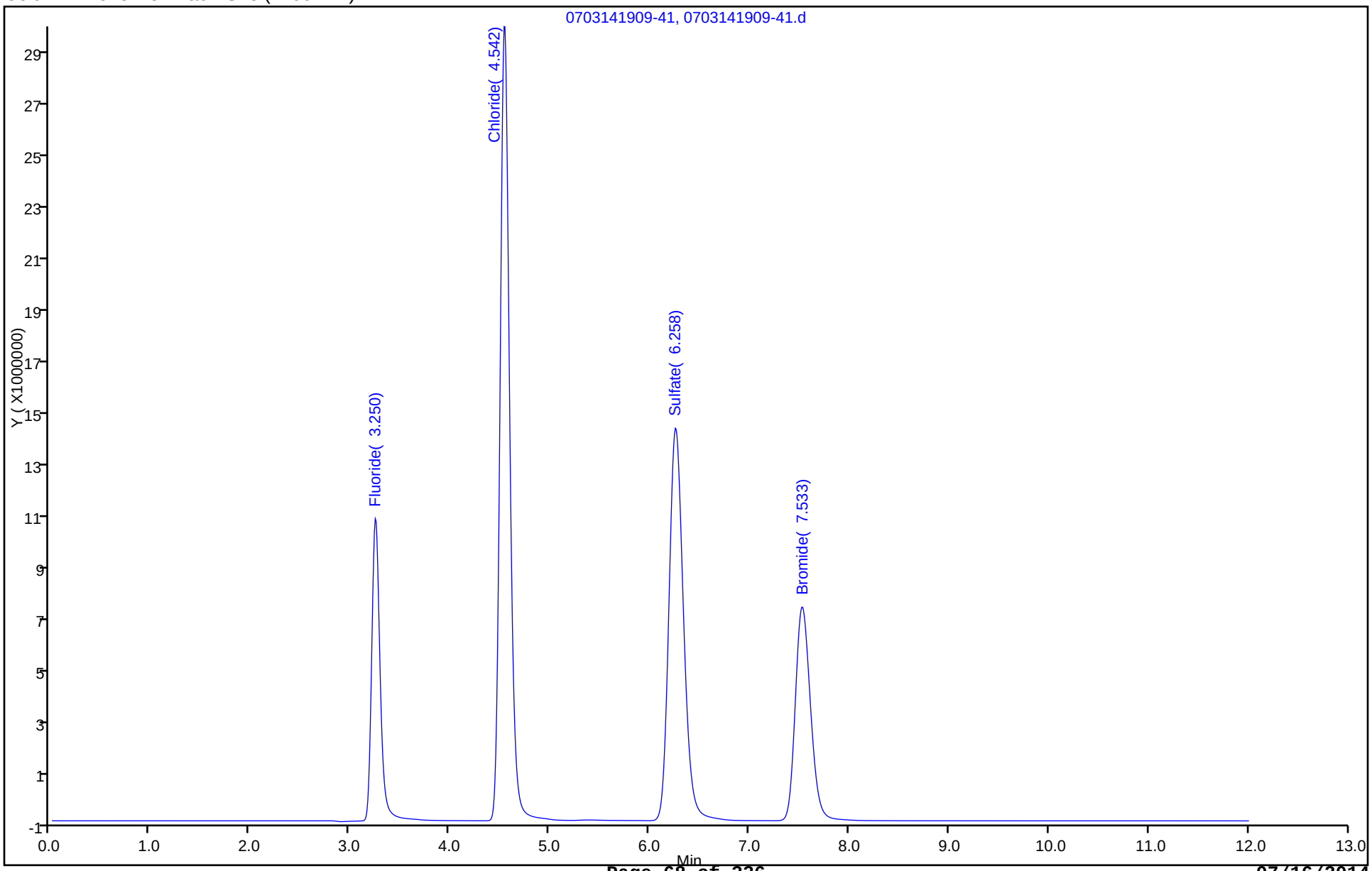
Lims ID: LCSD Worklist Smp#: 41

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)



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Instrument ID: CICL Start Date: 05/22/2014 11:25

Analysis Batch Number: 330350 End Date: 05/22/2014 17:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 680-330350/4		05/22/2014 11:25	1	0522141125-14.d	Dionex AS18 4(mm)
IC 680-330350/5		05/22/2014 11:39	1	0522141139-15.d	Dionex AS18 4(mm)
IC 680-330350/6		05/22/2014 11:53	1	0522141153-16.d	Dionex AS18 4(mm)
IC 680-330350/7		05/22/2014 12:08	1	0522141208-17.d	Dionex AS18 4(mm)
IC 680-330350/8		05/22/2014 12:22	1	0522141222-18.d	Dionex AS18 4(mm)
IC 680-330350/9		05/22/2014 12:36	1	0522141236-19.d	Dionex AS18 4(mm)
IC 680-330350/10		05/22/2014 12:51	1	0522141251-20.d	Dionex AS18 4(mm)
ICB 680-330350/11		05/22/2014 13:05	1	0522141305-21.d	Dionex AS18 4(mm)
ICV 680-330350/12		05/22/2014 13:20	1	0522141320-22.d	Dionex AS18 4(mm)
ZZZZZ		05/22/2014 13:34	1		Dionex AS18 4(mm)
ZZZZZ		05/22/2014 13:49	1		Dionex AS18 4(mm)
ZZZZZ		05/22/2014 14:03	1		Dionex AS18 4(mm)
ZZZZZ		05/22/2014 14:17	1		Dionex AS18 4(mm)
ZZZZZ		05/22/2014 14:32	1		Dionex AS18 4(mm)
ZZZZZ		05/22/2014 14:46	1		Dionex AS18 4(mm)
ZZZZZ		05/22/2014 15:01	1		Dionex AS18 4(mm)
ZZZZZ		05/22/2014 15:15	1		Dionex AS18 4(mm)
ZZZZZ		05/22/2014 15:29	1		Dionex AS18 4(mm)
ZZZZZ		05/22/2014 15:44	1		Dionex AS18 4(mm)
ZZZZZ		05/22/2014 15:58	1		Dionex AS18 4(mm)
ZZZZZ		05/22/2014 16:13	1		Dionex AS18 4(mm)
CCV 680-330350/24		05/22/2014 16:27	1		Dionex AS18 4(mm)
CCB 680-330350/25		05/22/2014 16:41	1		Dionex AS18 4(mm)
ZZZZZ		05/22/2014 16:56	4		Dionex AS18 4(mm)
ZZZZZ		05/22/2014 17:10	2		Dionex AS18 4(mm)
ZZZZZ		05/22/2014 17:25	50		Dionex AS18 4(mm)
CCV 680-330350/29		05/22/2014 17:39	1		Dionex AS18 4(mm)
CCB 680-330350/30		05/22/2014 17:53	1		Dionex AS18 4(mm)

300.0

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Instrument ID: CICL Start Date: 07/03/2014 18:26

Analysis Batch Number: 337544 End Date: 07/03/2014 23:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-337544/38		07/03/2014 18:26	1	0703141826-38.d	Dionex AS18 4(mm)
MB 680-337544/39		07/03/2014 18:40	1	0703141840-39.d	Dionex AS18 4(mm)
LCS 680-337544/40		07/03/2014 18:55	1	0703141855-40.d	Dionex AS18 4(mm)
LCSD 680-337544/41		07/03/2014 19:09	1	0703141909-41.d	Dionex AS18 4(mm)
ZZZZZ		07/03/2014 19:23	1		Dionex AS18 4(mm)
ZZZZZ		07/03/2014 19:38	1		Dionex AS18 4(mm)
ZZZZZ		07/03/2014 19:52	1		Dionex AS18 4(mm)
ZZZZZ		07/03/2014 20:07	1		Dionex AS18 4(mm)
ZZZZZ		07/03/2014 20:21	1		Dionex AS18 4(mm)
ZZZZZ		07/03/2014 20:36	1		Dionex AS18 4(mm)
ZZZZZ		07/03/2014 20:50	25		Dionex AS18 4(mm)
CCV 680-337544/50		07/03/2014 21:19	1	0703142119-50.d	Dionex AS18 4(mm)
CCB 680-337544/51		07/03/2014 21:33	1	0703142133-51.d	Dionex AS18 4(mm)
680-102773-1	SMSMW04A	07/03/2014 21:48	50	0703142148-52.d	Dionex AS18 4(mm)
680-102773-1	SMSMW04A	07/03/2014 22:16	500	0703142216-54.d	Dionex AS18 4(mm)
ZZZZZ		07/03/2014 22:45	25		Dionex AS18 4(mm)
CCV 680-337544/58		07/03/2014 23:14	1	0703142314-58.d	Dionex AS18 4(mm)
CCB 680-337544/59		07/03/2014 23:28	1	0703142328-59.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.: 680-102773-1

SDG No.: 680102773-1

Matrix: Water Level: Low Lab File ID: 0627141110-6.d

Lab ID: LCS 680-336628/6 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Nitrite as NO2	3.28	3.35	102	90-110	
Nitrate as NO3	4.42	4.62	105	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.: 680-102773-1

SDG No.: 680102773-1

Matrix: Water Level: Low Lab File ID: 0627141126-7.d

Lab ID: LCSD 680-336628/7 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	3.36	103	0	30	90-110	
Nitrate as NO3	4.42	4.64	105	0	30	90-110	

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.: 680-102773-1

SDG No.: 680102773-1

Lab File ID: 0627141055-5.d Lab Sample ID: MB 680-336628/5

Matrix: Water Date Extracted:

Instrument ID: CICG Date Analyzed: 06/27/2014 10:55

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-336628/6	0627141110-6.d	06/27/2014 11:10
	LCSD 680-336628/7	0627141126-7.d	06/27/2014 11:26
SMSMW04A	680-102773-1	0627141653-18.d	06/27/2014 16:53
	CCB 680-336628/20	0627141732-20.d	06/27/2014 17:32

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Client Sample ID: SMSMW04A Lab Sample ID: 680-102773-1

Matrix: Water Lab File ID: 0627141653-18.d

Analysis Method: 300.0 Date Collected: 06/26/2014 09:07

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2014 16:53

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.: 336628 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<3.3		6.8	3.3
STL00672	Nitrate as NO3	140		8.8	4.4

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140627-10530.b\0627141653-18.d
Lims ID: 680-102773-F-1 Lab Sample ID: 680-102773-1
Client ID: SMSMW04A
Sample Type: Client
Inject. Date: 27-Jun-2014 16:53:00 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 25.0 ul Dil. Factor: 40.0000
Sample Info: 680-102773-F-1 1G062714 Anion
Misc. Info.: 11975
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140627-10530.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 30-Jun-2014 13:35:06 Calib Date: 24-Jun-2014 13:16:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141316-10.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK051

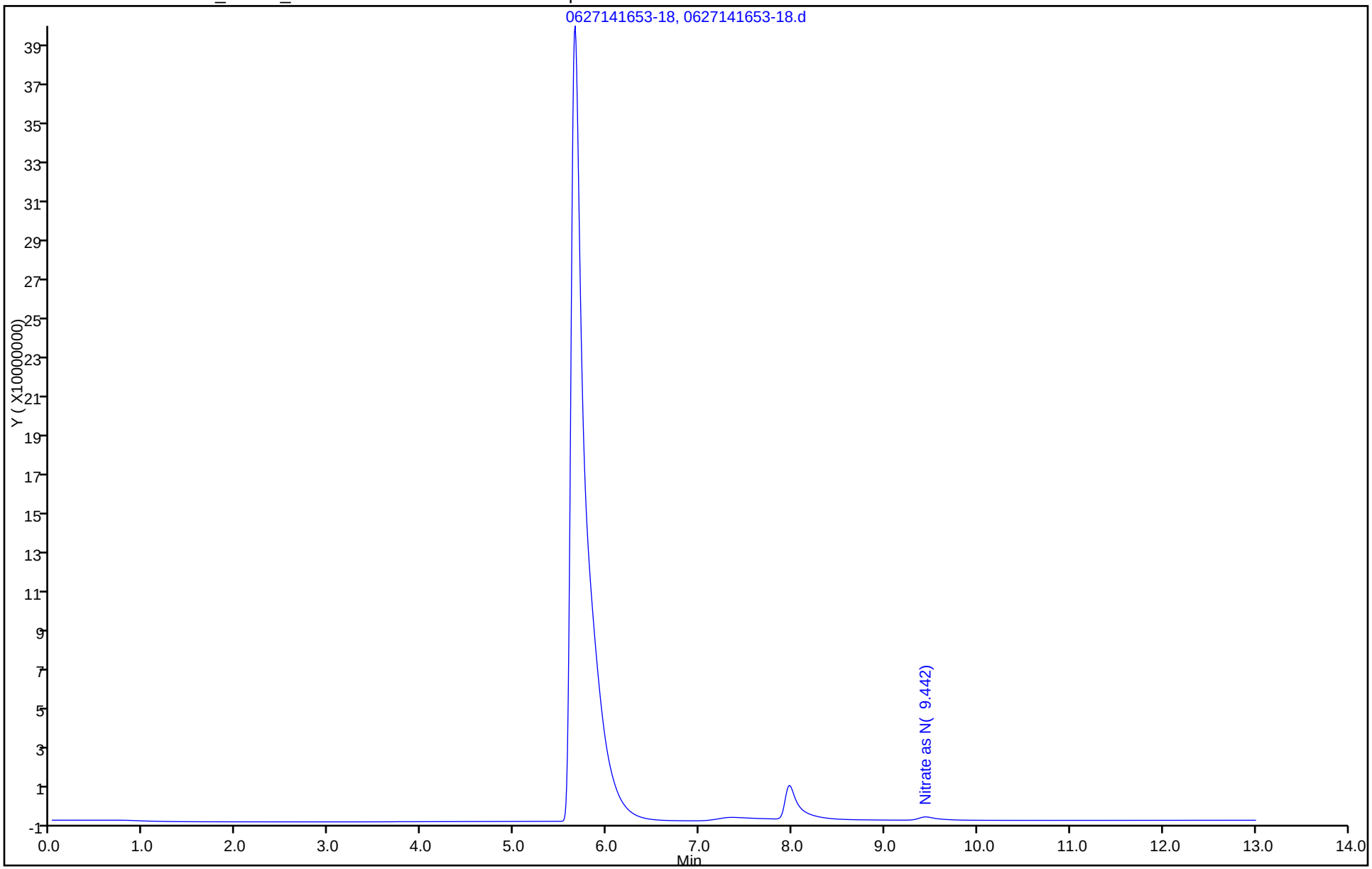
First Level Reviewer: singhv Date: 28-Jun-2014 07:35:48

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
6 Nitrate as N	9.442	9.433	0.009	23337875	0.7685	
S 10 Nitrate as NO3					3.40	

Report Date: 30-Jun-2014 13:35:11 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140627-10530.b\0627141653-18.d				
Injection Date:	27-Jun-2014 16:53:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-102773-F-1	Lab Sample ID:	680-102773-1	Worklist Smp#:	18
Client ID:	SMSMW04A				
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.: 680-102773-1 Analy Batch No.: 336028

SDG No.: 680102773-1

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

Calibration Start Date: 06/24/2014 11:43 Calibration End Date: 06/24/2014 13:16 Calibration ID: 31413

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-336028/4	0624141143-4.d
Level 2	IC 680-336028/5	0624141159-5.d
Level 3	IC 680-336028/6	0624141214-6.d
Level 4	IC 680-336028/7	0624141230-7.d
Level 5	IC 680-336028/8	0624141245-8.d
Level 6	IC 680-336028/9	0624141301-9.d
Level 7	IC 680-336028/10	0624141316-10.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Nitrite as N	6.633	6.642	6.642	6.642	6.642	6.642	6.642				6.400 - 6.900	6.641
Nitrate as N	9.433	9.442	9.433	9.425	9.417	9.408	9.400				9.192 - 9.692	9.423

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

Lab Name: TestAmerica Savannah Job No.: 680-102773-1 Analy Batch No.: 336028

SDG No.: 680102773-1

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

Calibration Start Date: 06/24/2014 11:43 Calibration End Date: 06/24/2014 13:16 Calibration ID: 31413

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-336028/4	0624141143-4.d
Level 2	IC 680-336028/5	0624141159-5.d
Level 3	IC 680-336028/6	0624141214-6.d
Level 4	IC 680-336028/7	0624141230-7.d
Level 5	IC 680-336028/8	0624141245-8.d
Level 6	IC 680-336028/9	0624141301-9.d
Level 7	IC 680-336028/10	0624141316-10.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	15566669 26577074	19011328 27920476	21923600 28940041	23999204	Lin2	-628472.16	26845891.8							0.9930		0.9900
Nitrate as N	17612839 30922194	21382411 32884721	25064419 34464460	27640518	Lin2	-778431.31	31382886.4							0.9910		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.: 680-102773-1 Analy Batch No.: 336028

SDG No.: 680102773-1

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

Calibration Start Date: 06/24/2014 11:43 Calibration End Date: 06/24/2014 13:16 Calibration ID: 31413

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-336028/4	0624141143-4.d
Level 2	IC 680-336028/5	0624141159-5.d
Level 3	IC 680-336028/6	0624141214-6.d
Level 4	IC 680-336028/7	0624141230-7.d
Level 5	IC 680-336028/8	0624141245-8.d
Level 6	IC 680-336028/9	0624141301-9.d
Level 7	IC 680-336028/10	0624141316-10.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	778458 41887415	1901437 57889343	5481777	12001522	26581326	0.0500 1.50	0.100 2.00	0.250	0.500	1.00
Nitrate as N	Lin2	880686 49329548	2138348 68932366	6266418	13820950	30923740	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\20140624-10417.b\0624141143-4.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 24-Jun-2014 11:43:00 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-1 1G062414 Anion
Misc. Info.: 4 3634886
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140624-10417.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 26-Jun-2014 12:01:36 Calib Date: 24-Jun-2014 13:16:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141316-10.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK002

First Level Reviewer: singhv Date: 24-Jun-2014 16:02:53

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Nitrite as N	6.633	6.650	-0.017	778458	0.0500	0.0524	
6 Nitrate as N	9.433	9.442	-0.009	880686	0.0500	0.0529	
S 9 Nitrite as NO2					0.1645	0.1724	
S 10 Nitrate as NO3					0.2213	0.2340	

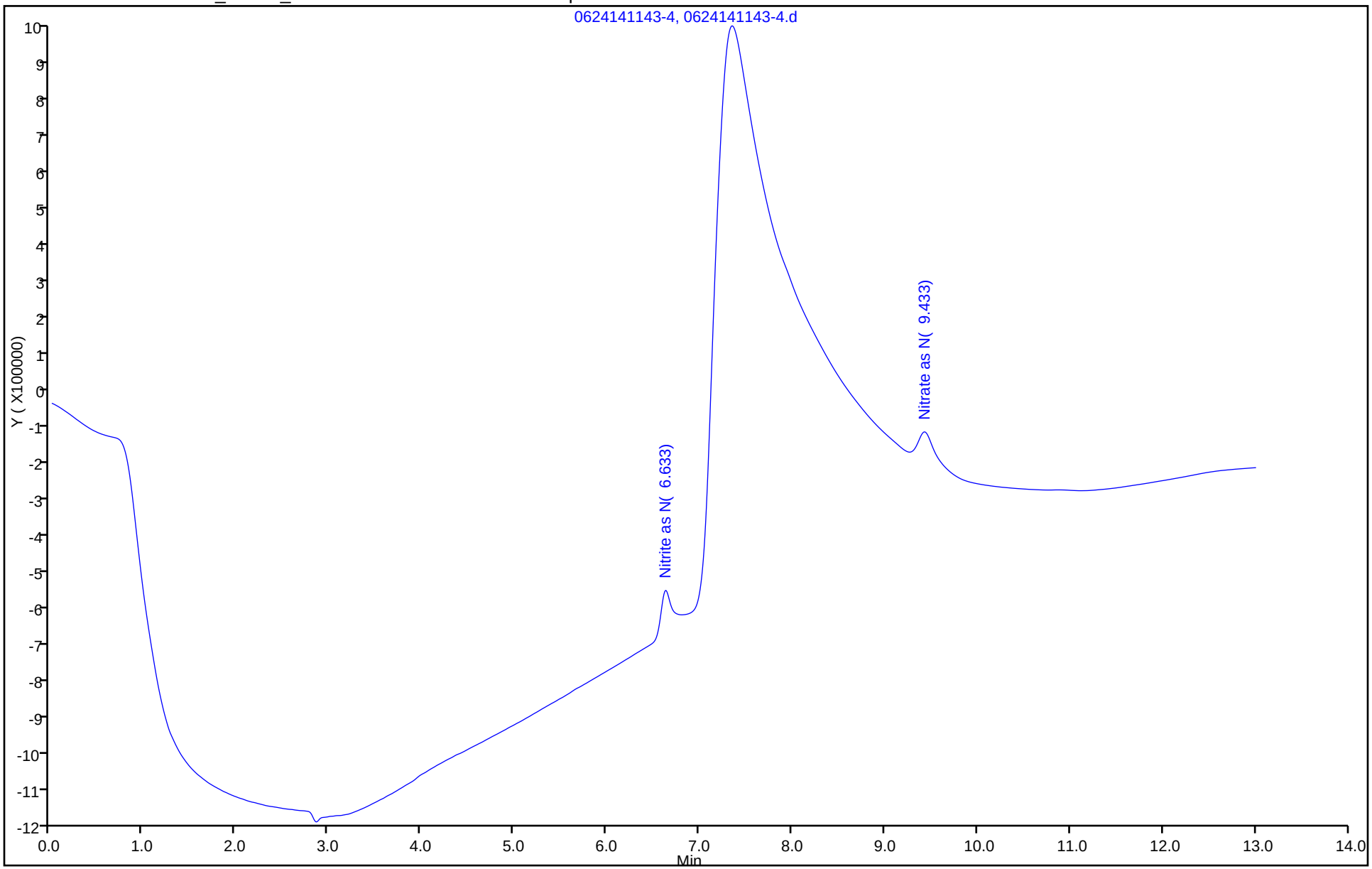
Reagents:

N-N-1_00107 Amount Added: 5.00 Units: mL

Report Date: 26-Jun-2014 12:01:36 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141143-4.d				
Injection Date:	24-Jun-2014 11:43:00	Instrument ID:	CICG	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_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141159-5.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 24-Jun-2014 11:59:00 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-2 1G062414 Anion
Misc. Info.: 5 3634878
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140624-10417.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 26-Jun-2014 12:01:37 Calib Date: 24-Jun-2014 13:16:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141316-10.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK002

First Level Reviewer: thorntonp Date: 24-Jun-2014 16:15:24

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Nitrite as N	6.642	6.650	-0.008	1901437	0.1000	0.0942	
6 Nitrate as N	9.442	9.442	0.000	2138348	0.1000	0.0929	
S 9 Nitrite as NO2					0.3290	0.3101	
S 10 Nitrate as NO3					0.4425	0.4113	

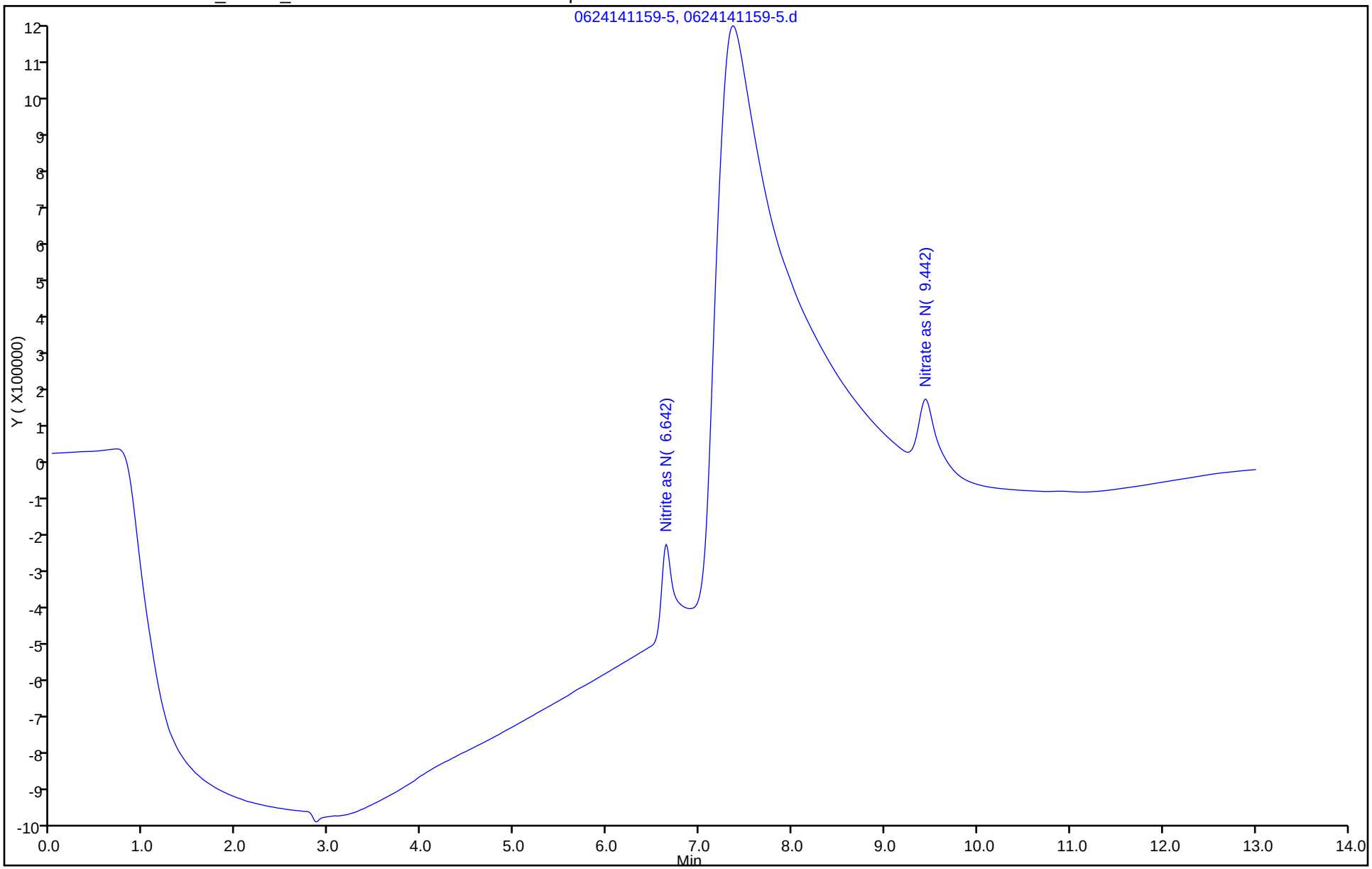
Reagents:

N-N-2_00087 Amount Added: 5.00 Units: mL

Report Date: 26-Jun-2014 12:01:37 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141159-5.d				
Injection Date:	24-Jun-2014 11:59:00	Instrument ID:	CICG	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_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141214-6.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 24-Jun-2014 12:14:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-3 1G062414 Anion
Misc. Info.: 6 3634877
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140624-10417.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 26-Jun-2014 12:01:37 Calib Date: 24-Jun-2014 13:16:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141316-10.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK002

First Level Reviewer: singhv Date: 24-Jun-2014 16:26:01

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Nitrite as N	6.642	6.650	-0.008	5481777	0.2500	0.2276	
6 Nitrate as N	9.433	9.442	-0.009	6266418	0.2500	0.2245	
S 9 Nitrite as NO2					0.8225	0.7489	
S 10 Nitrate as NO3					1.11	0.99	

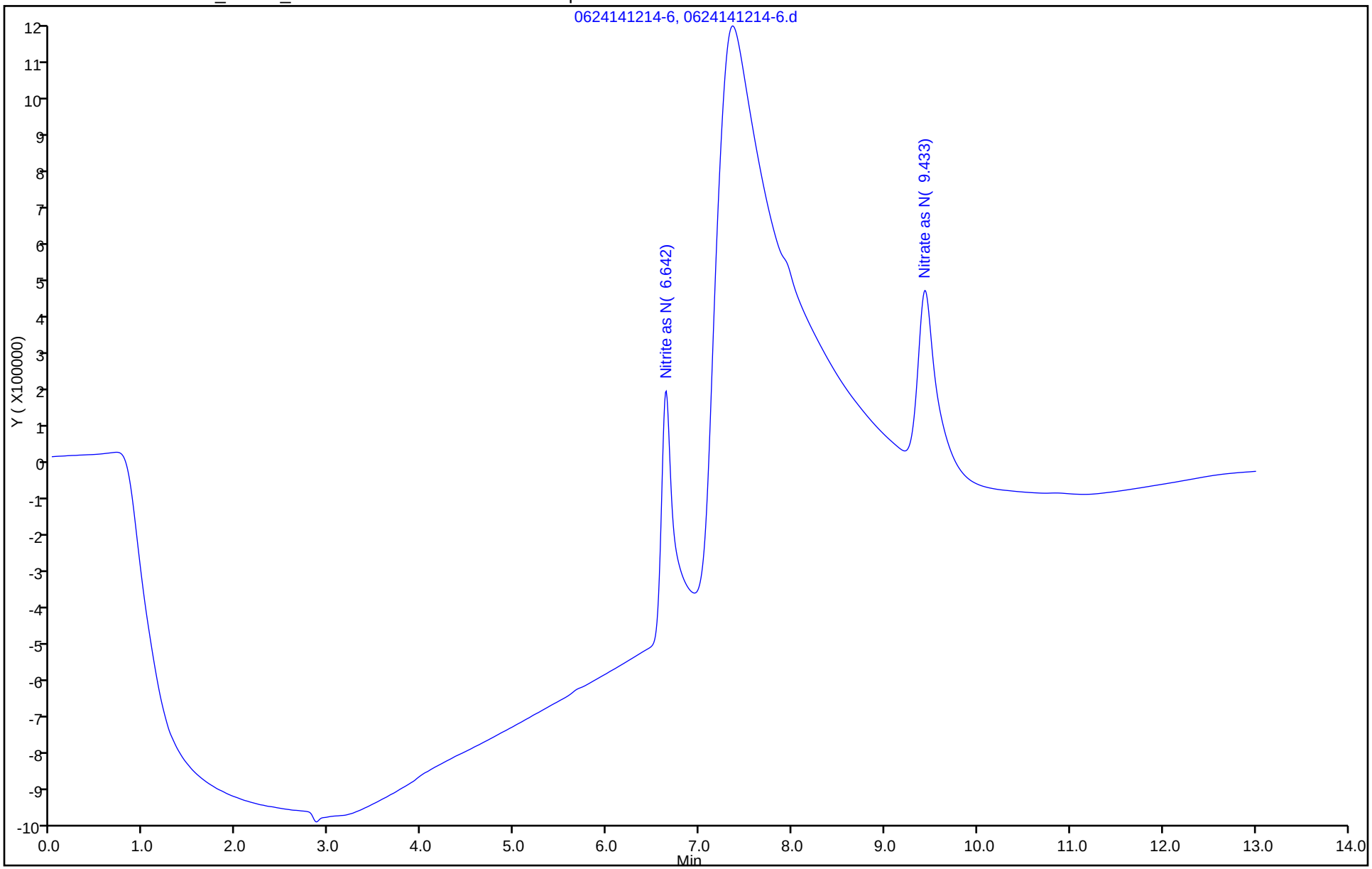
Reagents:

N-N-3_00086 Amount Added: 5.00 Units: mL

Report Date: 26-Jun-2014 12:01:38 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141214-6.d				
Injection Date:	24-Jun-2014 12:14:00	Instrument ID:	CICG	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_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141230-7.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	4		
Inject. Date:	24-Jun-2014 12:30:00	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-4 1G062414 Anion				
Misc. Info.:	7 3634876				
Operator ID:		Instrument ID:	CICG		
Sublist:	chrom-300.0_9056A_CICG*sub2				
Method:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	26-Jun-2014 12:01:38	Calib Date:	24-Jun-2014 13:16:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141316-10.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK002				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	5 Nitrite as N	6.642	6.642	0.000	12001522	0.5001	0.4705	
	6 Nitrate as N	9.425	9.425	0.000	13820950	0.5000	0.4652	
S	9 Nitrite as NO2					1.65	1.55	
S	10 Nitrate as NO3					2.21	2.06	

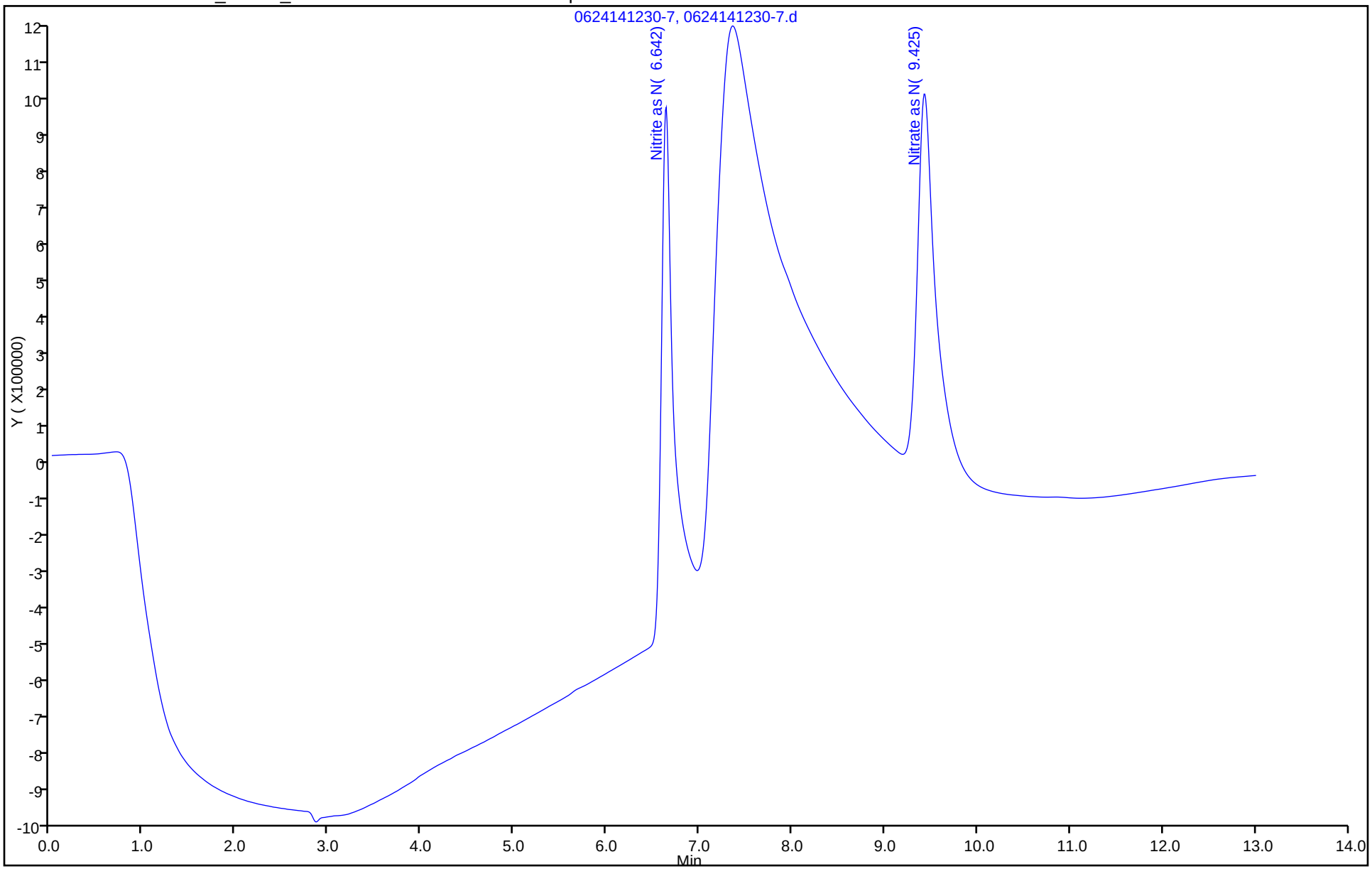
Reagents:

N-N-4_00087 Amount Added: 5.00 Units: mL

Report Date: 26-Jun-2014 12:01:38 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141230-7.d				
Injection Date:	24-Jun-2014 12:30:00	Instrument ID:	CICG	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_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141245-8.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 24-Jun-2014 12:45:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-5 1G062414 Anion
Misc. Info.: 8 3634867
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140624-10417.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 26-Jun-2014 12:01:38 Calib Date: 24-Jun-2014 13:16:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141316-10.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK002

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	5 Nitrite as N	6.642	6.642	0.000	26581326	1.00	1.01	
	6 Nitrate as N	9.417	9.425	-0.008	30923740	1.00	1.01	
S	9 Nitrite as NO2					3.29	3.33	
S	10 Nitrate as NO3					4.43	4.47	

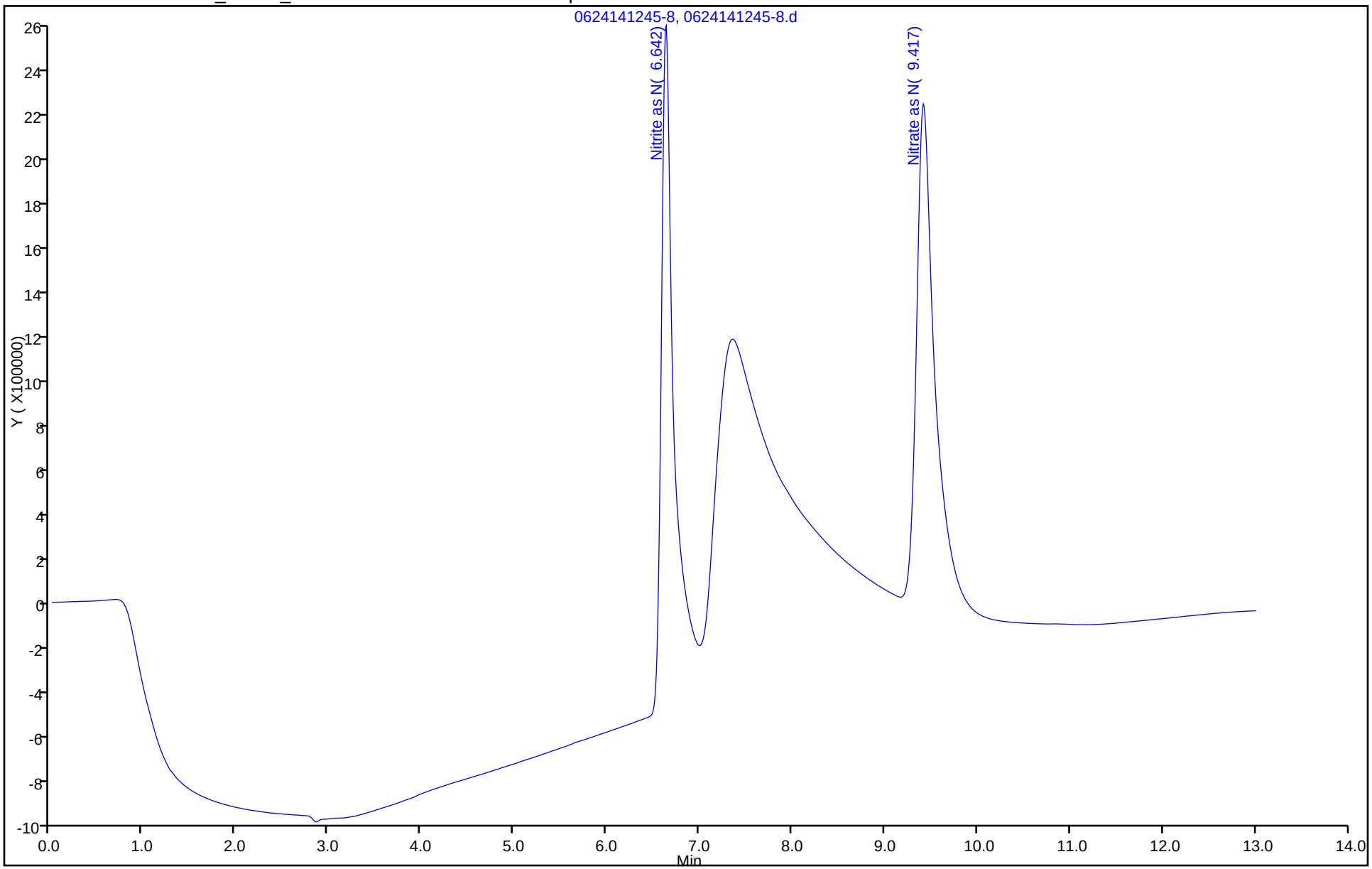
Reagents:

N-N-5_00102 Amount Added: 5.00 Units: mL

Report Date: 26-Jun-2014 12:01:39 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141245-8.d				
Injection Date:	24-Jun-2014 12:45:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	IC			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		



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141301-9.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 24-Jun-2014 13:01:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-6 1G062414 Anion
Misc. Info.: 9 3634863
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140624-10417.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 26-Jun-2014 12:01:39 Calib Date: 24-Jun-2014 13:16:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141316-10.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK002

First Level Reviewer: thorntonp Date: 24-Jun-2014 16:07:28

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	5 Nitrite as N	6.642	6.642	0.000	41887415	1.50	1.58	
	6 Nitrate as N	9.408	9.425	-0.017	49329548	1.50	1.60	
S	9 Nitrite as NO2					4.94	5.21	
S	10 Nitrate as NO3					6.64	7.07	

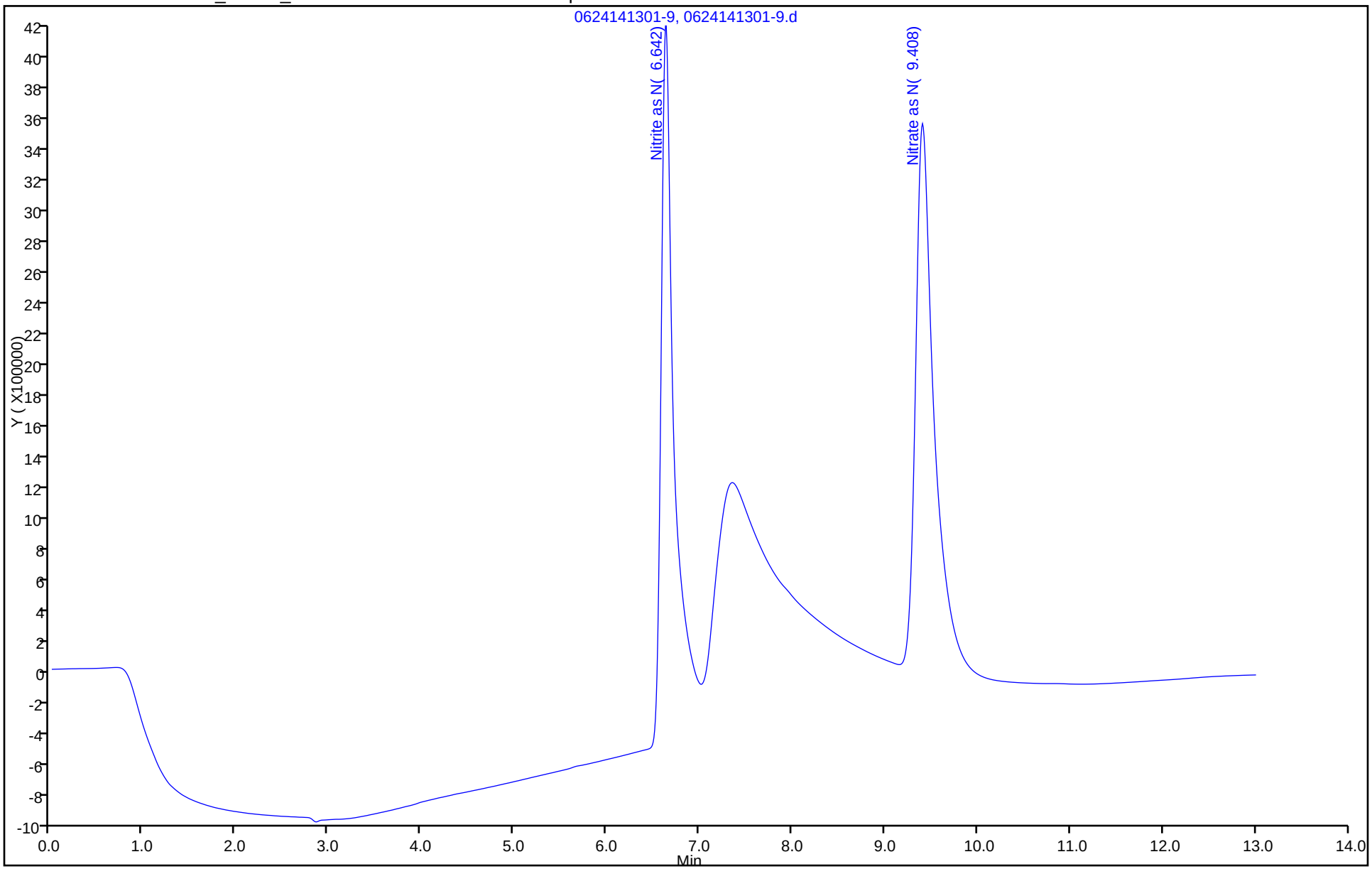
Reagents:

N-N-6_00085 Amount Added: 5.00 Units: mL

Report Date: 26-Jun-2014 12:01:39 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141301-9.d				
Injection Date:	24-Jun-2014 13:01:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	IC			Worklist Smp#:	9
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\20140624-10417.b\0624141316-10.d				
Lims ID:	IC				
Client ID:					
Sample Type:	IC	Calib Level:	7		
Inject. Date:	24-Jun-2014 13:16:00	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-7 1G062414 Anion				
Misc. Info.:	10 3634814				
Operator ID:		Instrument ID:	CICG		
Sublist:	chrom-300.0_9056A_CICG*sub2				
Method:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	26-Jun-2014 12:01:39	Calib Date:	24-Jun-2014 13:16:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141316-10.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK002				

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	5 Nitrite as N	6.642	6.642	0.000	57889343	2.00	2.18	
	6 Nitrate as N	9.400	9.425	-0.025	68932366	2.00	2.22	
S	9 Nitrite as NO2					6.58	7.17	
S	10 Nitrate as NO3					8.85	9.83	

Reagents:

N-N-7_00089 Amount Added: 5.00 Units: mL

Report Date: 26-Jun-2014 12:01:39 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141316-10.d

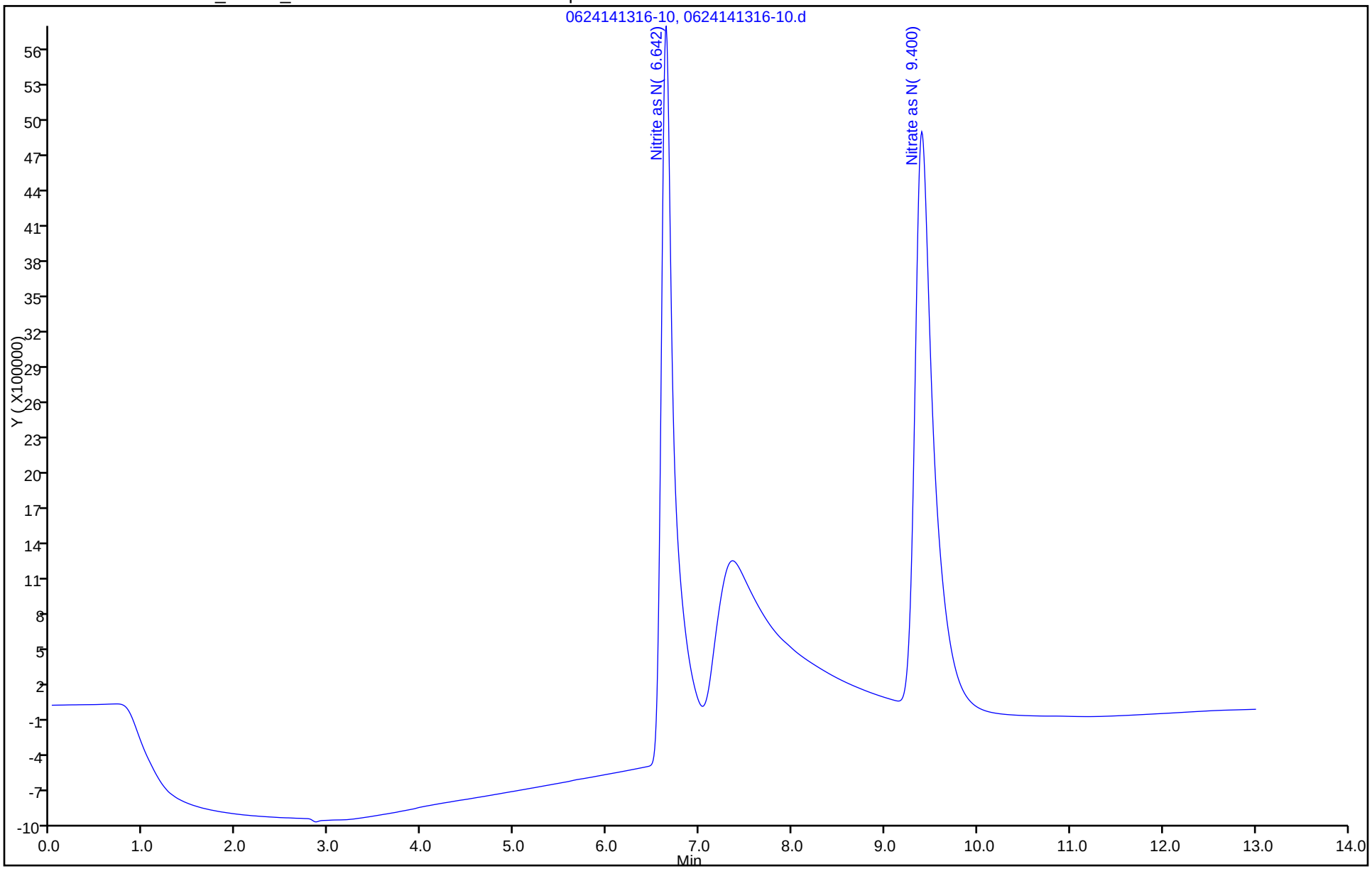
Injection Date: 24-Jun-2014 13:16:00 Instrument ID: CICG Operator ID:

Lims ID: IC Worklist Smp#: 10

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.: 680-102773-1

SDG No.: 680102773-1

Lab Sample ID: ICV 680-336028/1012 Calibration Date: 06/24/2014 13:47

Instrument ID: CICG Calib Start Date: 06/24/2014 11:43

GC Column: AS18 ID: 4.00(mm) Calib End Date: 06/24/2014 13:16

Lab File ID: 0624141347-12-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		26321341		1.00	0.997	0.4	10.0
Nitrate as N	Lin2		31075126		1.01	0.999	1.5	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Lab Sample ID: ICV 680-336028/1012 Calibration Date: 06/24/2014 13:47

Instrument ID: CICG Calib Start Date: 06/24/2014 11:43

GC Column: AS18 ID: 4.00(mm) Calib End Date: 06/24/2014 13:16

Lab File ID: 0624141347-12-ICV.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.64	6.39	6.89
Nitrate as N	9.43	9.18	9.68

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141347-12-ICV.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 24-Jun-2014 13:47:00 ALS Bottle#: 0 Worklist Smp#: 1012
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCS 1G062414 Anion
Misc. Info.: 12 3634784
Operator ID: Instrument ID: CICG
Sublist:

Method: \\SAVCHROM\ChromData\CICG\20140624-10417.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 26-Jun-2014 12:01:39 Calib Date: 24-Jun-2014 13:16:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141316-10.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK002

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	5 Nitrite as N	6.642	6.642	0.000	26245536	1.00	1.00	
	6 Nitrate as N	9.425	9.425	0.000	31041565	1.00	1.01	
S	9 Nitrite as NO2					3.28	3.29	
S	10 Nitrate as NO3					4.42	4.49	

Reagents:

N-N-ICV_00165 Amount Added: 5.00 Units: mL

Report Date: 26-Jun-2014 12:01:41 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Laboratories

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141347-12-ICV.d

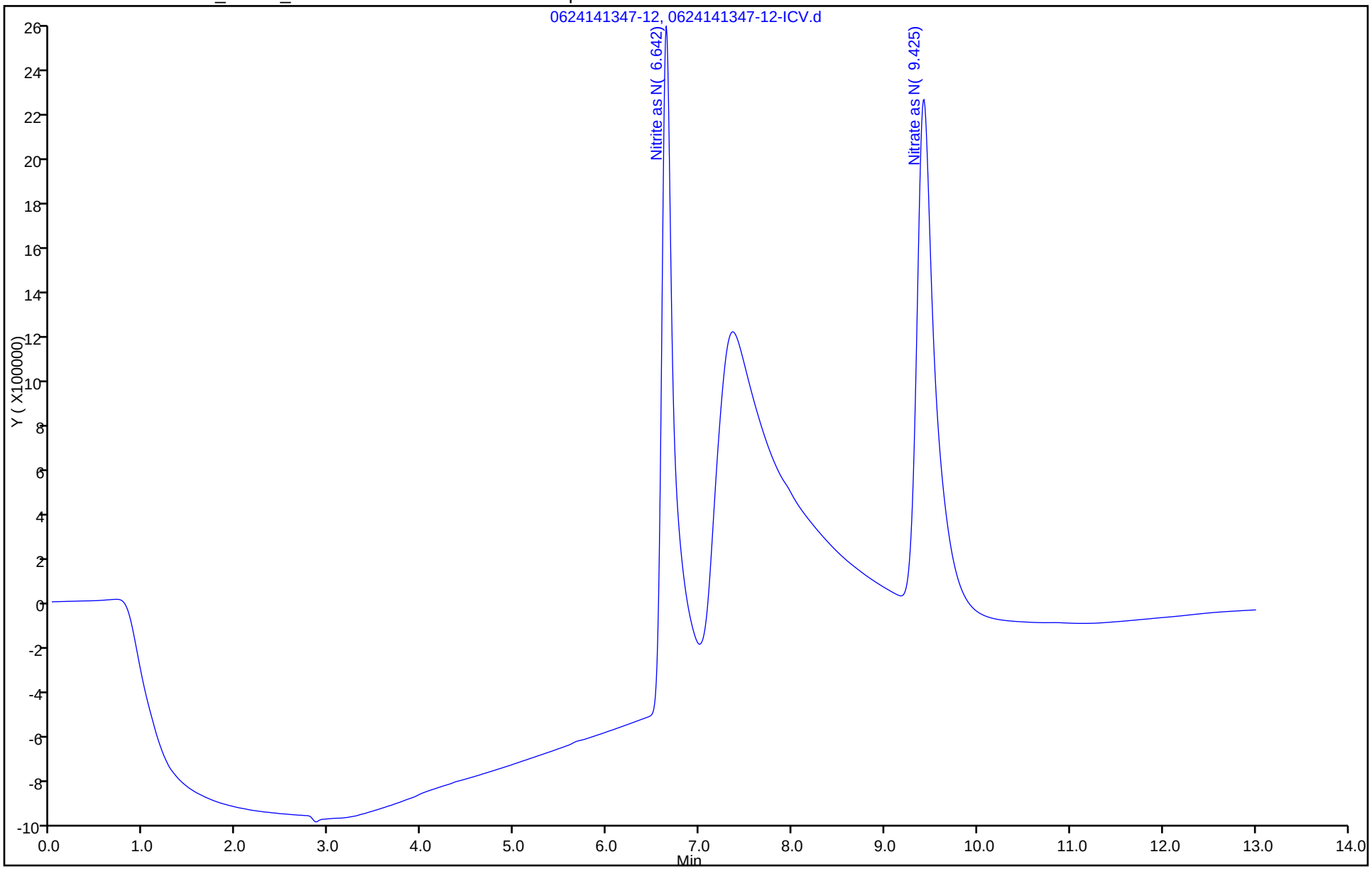
Injection Date: 24-Jun-2014 13:47:00 Instrument ID: CICG Operator ID:

Lims ID: ICV Worklist Smp#: 1012

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.: 680-102773-1

SDG No.: 680102773-1

Lab Sample ID: CCV 680-336628/4 Calibration Date: 06/27/2014 10:40

Instrument ID: CICG Calib Start Date: 06/24/2014 11:43

GC Column: AS18 ID: 4.00(mm) Calib End Date: 06/24/2014 13:16

Lab File ID: 0627141040-4.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		27115189		1.03	1.00	3.3	10.0
Nitrate as N	Lin2		32168820		1.05	1.00	5.0	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Lab Sample ID: CCV 680-336628/4 Calibration Date: 06/27/2014 10:40

Instrument ID: CICG Calib Start Date: 06/24/2014 11:43

GC Column: AS18 ID: 4.00(mm) Calib End Date: 06/24/2014 13:16

Lab File ID: 0627141040-4.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.65	6.40	6.90
Nitrate as N	9.43	9.18	9.68

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140627-10530.b\0627141040-4.d
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 27-Jun-2014 10:40:00 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-5 1G062714 Anion
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140627-10530.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 30-Jun-2014 13:35:06 Calib Date: 24-Jun-2014 13:16:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141316-10.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK051

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	5 Nitrite as N	6.650	6.650	0.000	27119527	1.00	1.03	
	6 Nitrate as N	9.433	9.433	0.000	32170428	1.00	1.05	
S	9 Nitrite as NO2					3.29	3.40	
S	10 Nitrate as NO3					4.43	4.65	

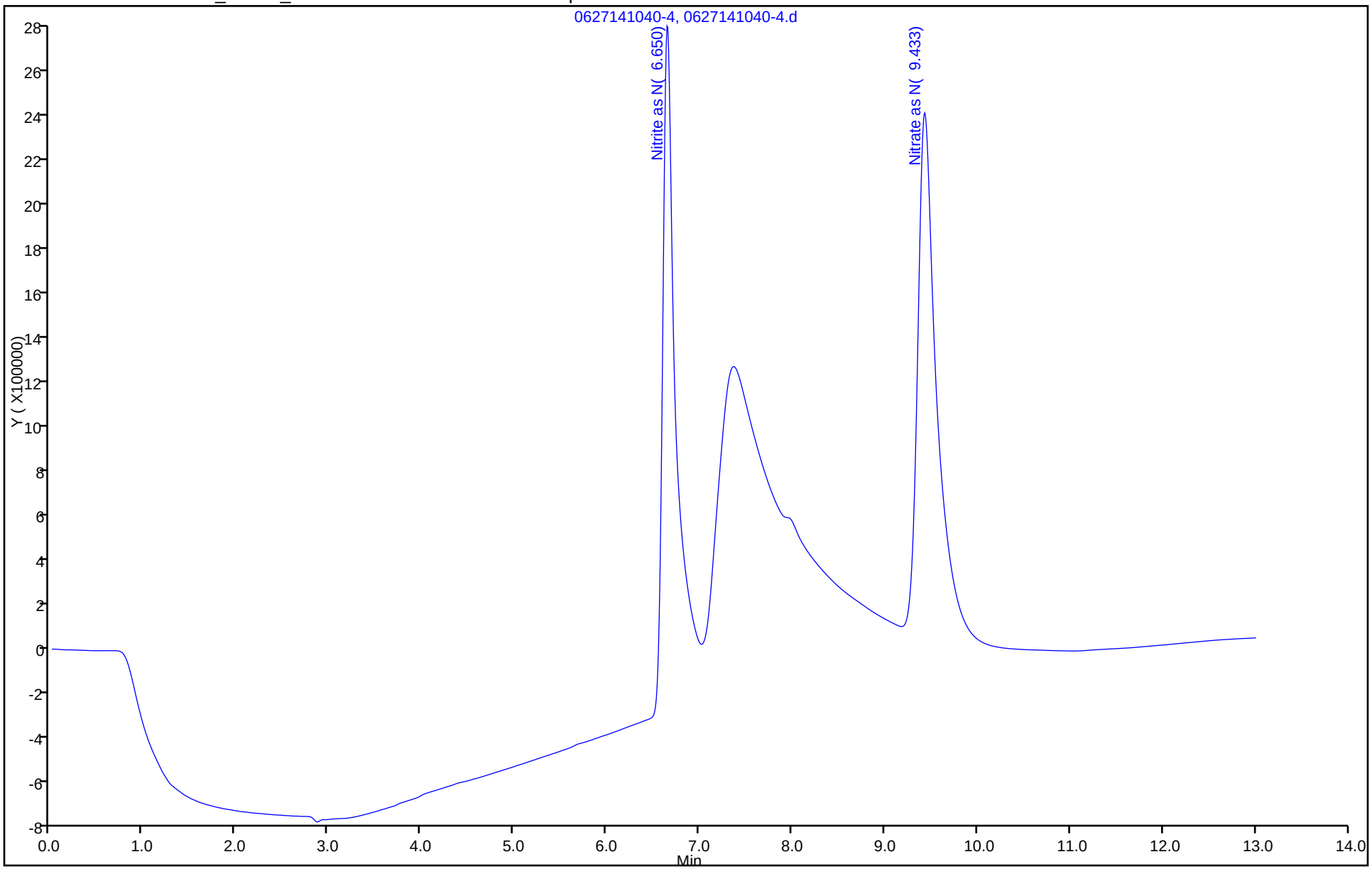
Reagents:

N-N-5_00102 Amount Added: 5.00 Units: mL

Report Date: 30-Jun-2014 13:35:06 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140627-10530.b\0627141040-4.d				
Injection Date:	27-Jun-2014 10:40:00	Instrument ID:	CICG	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_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Lab Sample ID: CCV 680-336628/19 Calibration Date: 06/27/2014 17:17

Instrument ID: CICG Calib Start Date: 06/24/2014 11:43

GC Column: AS18 ID: 4.00(mm) Calib End Date: 06/24/2014 13:16

Lab File ID: 0627141717-19.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		26850128		1.02	1.00	2.4	10.0
Nitrate as N	Lin2		31776874		1.04	1.00	3.7	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Lab Sample ID: CCV 680-336628/19 Calibration Date: 06/27/2014 17:17

Instrument ID: CICG Calib Start Date: 06/24/2014 11:43

GC Column: AS18 ID: 4.00(mm) Calib End Date: 06/24/2014 13:16

Lab File ID: 0627141717-19.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.66	6.41	6.91
Nitrate as N	9.44	9.19	9.69

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140627-10530.b\0627141717-19.d
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 27-Jun-2014 17:17:00 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-5 1G062714 Anion
Misc. Info.: 16455
Operator ID: Instrument ID: CICG
Sublist: chrom-300.0_9056A_CICG*sub2

Method: \\SAVCHROM\ChromData\CICG\20140627-10530.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 30-Jun-2014 13:35:11 Calib Date: 24-Jun-2014 13:16:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141316-10.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK051

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	5 Nitrite as N	6.658	6.658	0.000	26854424	1.00	1.02	
	6 Nitrate as N	9.442	9.442	0.000	31778463	1.00	1.04	
S	9 Nitrite as NO2					3.29	3.37	
S	10 Nitrate as NO3					4.43	4.59	

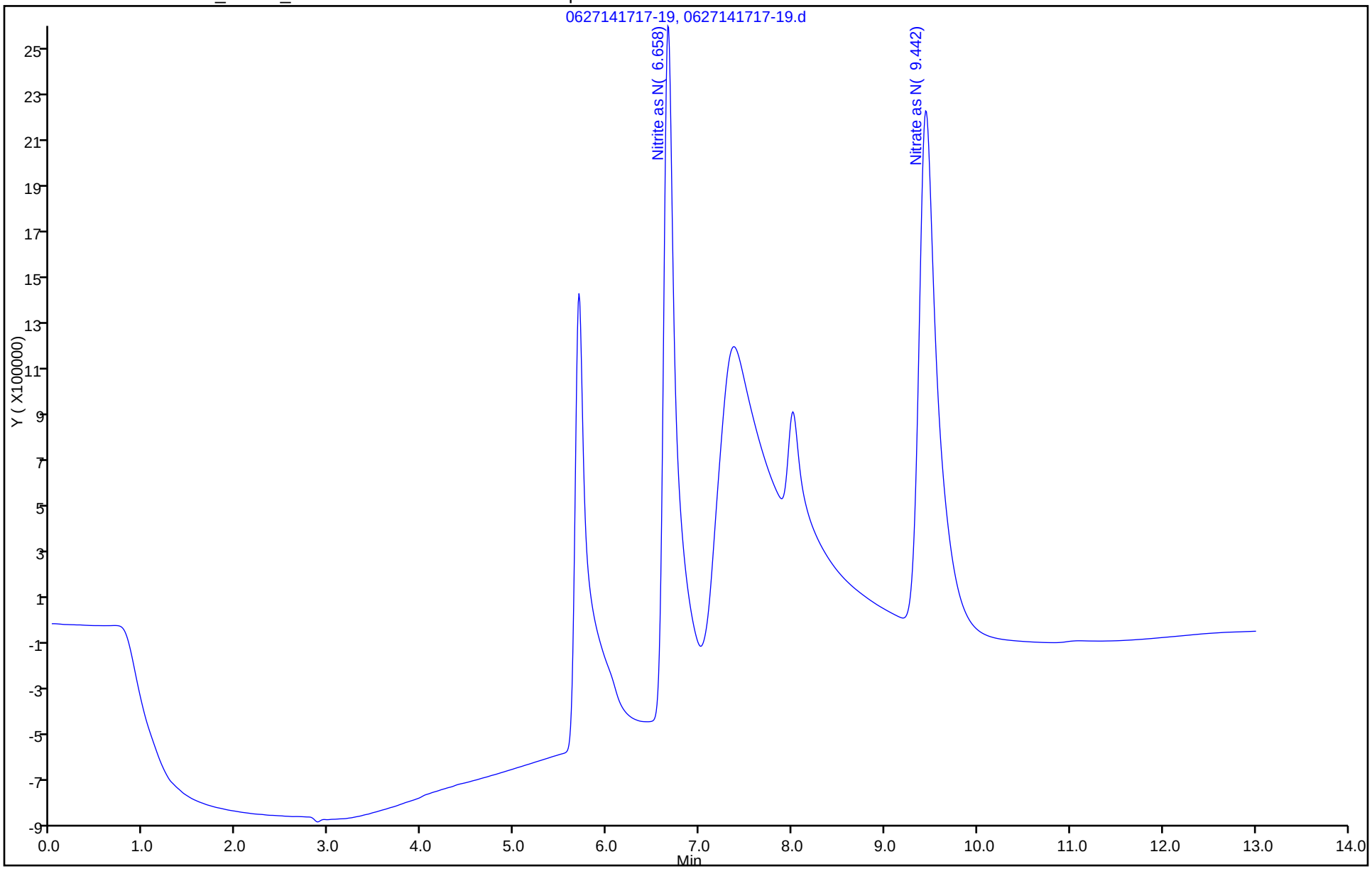
Reagents:

N-N-5_00102 Amount Added: 5.00 Units: mL

Report Date: 30-Jun-2014 13:35:11 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140627-10530.b\0627141717-19.d				
Injection Date:	27-Jun-2014 17:17:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV			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.: 680-102773-1
SDG No.: 680102773-1
Client Sample ID:
Lab Sample ID: MB 680-336628/5
Matrix: Water
Lab File ID: 0627141055-5.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 06/27/2014 10:55
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.: 336628
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

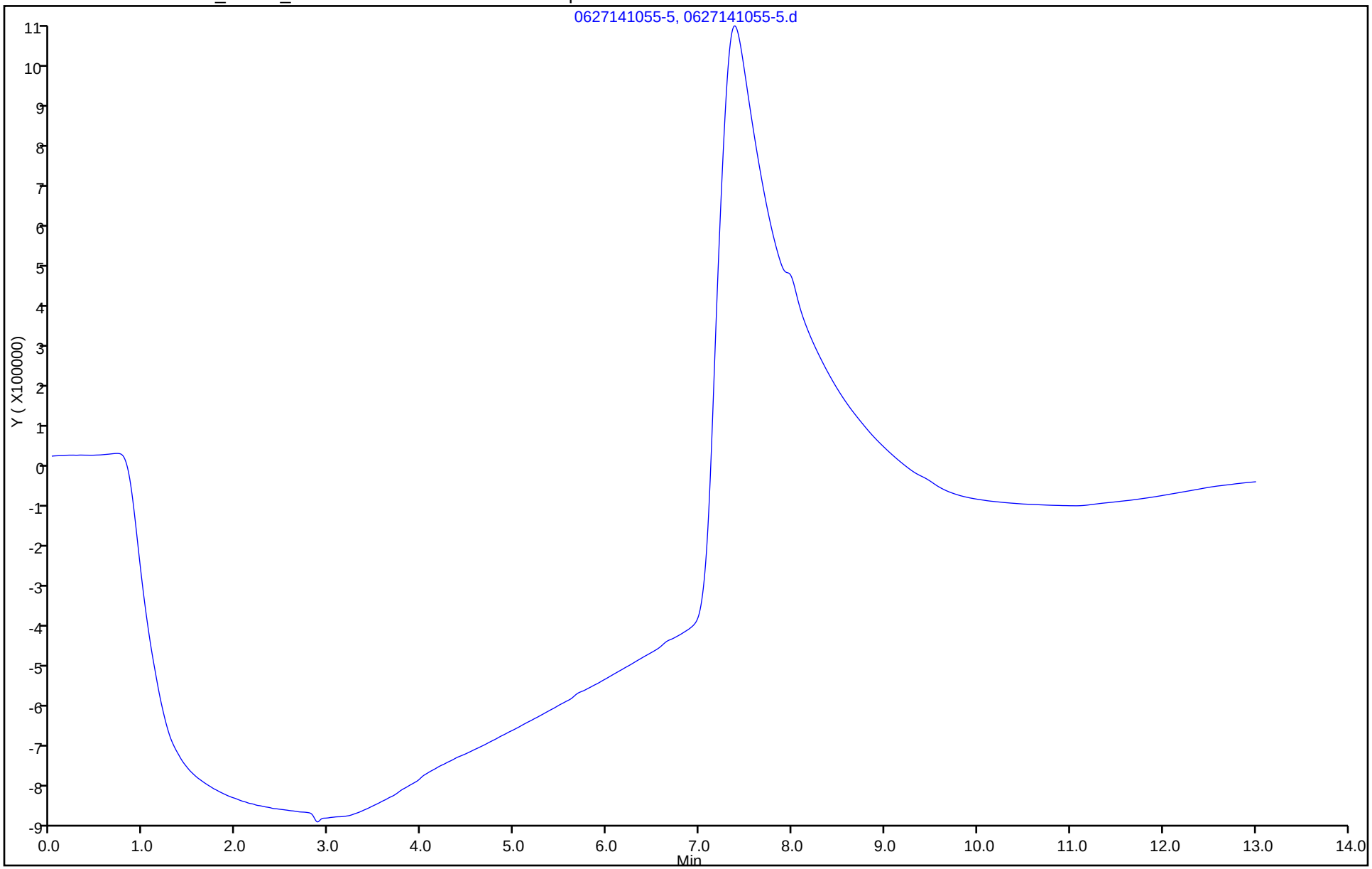
Data File:	\\SAVCHROM\ChromData\CICG\20140627-10530.b\0627141055-5.d				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	27-Jun-2014 10:55:00	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 1G062714 Anion				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140627-10530.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	30-Jun-2014 13:35:06	Calib Date:	24-Jun-2014 13:16:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141316-10.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK051				
First Level Reviewer: singhv		Date:	27-Jun-2014 12:32:05		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

Report Date: 30-Jun-2014 13:35:07 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140627-10530.b\0627141055-5.d				
Injection Date:	27-Jun-2014 10:55:00	Instrument ID:	CICG	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_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-102773-1
SDG No.: 680102773-1
Client Sample ID:
Lab Sample ID: CCB 680-336628/20
Matrix: Water
Lab File ID: 0627141732-20.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 06/27/2014 17:32
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.: 336628
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

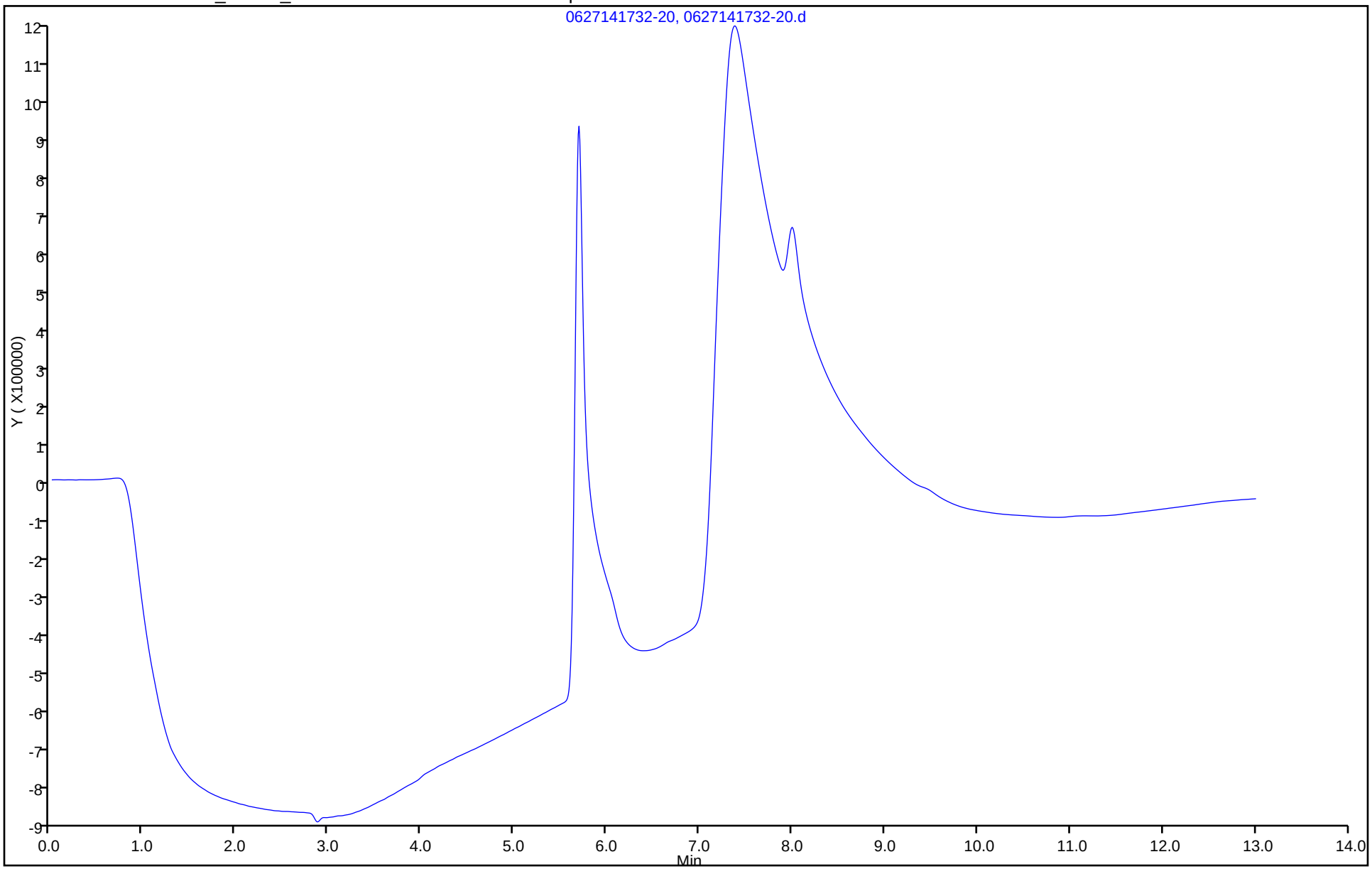
Data File:	\\SAVCHROM\ChromData\CICG\20140627-10530.b\0627141732-20.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	27-Jun-2014 17:32:00	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G062714 Anion				
Misc. Info.:	25022				
Operator ID:		Instrument ID:	CICG		
Method:	\\SAVCHROM\ChromData\CICG\20140627-10530.b\300.0_9056A_CICG.m				
Limit Group:	Anions - 48Hr - ORGFRMS				
Last Update:	30-Jun-2014 13:35:11	Calib Date:	24-Jun-2014 13:16:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141316-10.d				
Column 1 :			Det: 0423131702-17		
Process Host:	XAWRK051				
First Level Reviewer: singhv		Date:	28-Jun-2014 07:35:52		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

Report Date: 30-Jun-2014 13:35:11 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140627-10530.b\0627141732-20.d				
Injection Date:	27-Jun-2014 17:32:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCB			Worklist Smp#:	20
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.: 680-102773-1
SDG No.: 680102773-1
Client Sample ID:
Lab Sample ID: ICB 680-336028/1011
Matrix: Water
Lab File ID: 0624141331-11-ICB.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 06/24/2014 13:31
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.: 336028
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\20140624-10417.b\0624141331-11-ICB.d				
Lims ID:	ICB				
Client ID:					
Sample Type:	ICB				
Inject. Date:	24-Jun-2014 13:31:00	ALS Bottle#:	0	Worklist Smp#:	1011
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 1G062414 Anion				
Misc. Info.:	11				
Operator ID:		Instrument ID:	CICG		

Method:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\300.0_9056A_CICG.m		
Limit Group:	Anions - 48Hr - ORGFRMS		
Last Update:	26-Jun-2014 12:01:39	Calib Date:	24-Jun-2014 13:16:00
Integrator:	Falcon		
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141316-10.d		

Column 1 :			Det: 0423131702-17
Process Host:	XAWRK002		

First Level Reviewer: singhv		Date:	25-Jun-2014 13:03:44

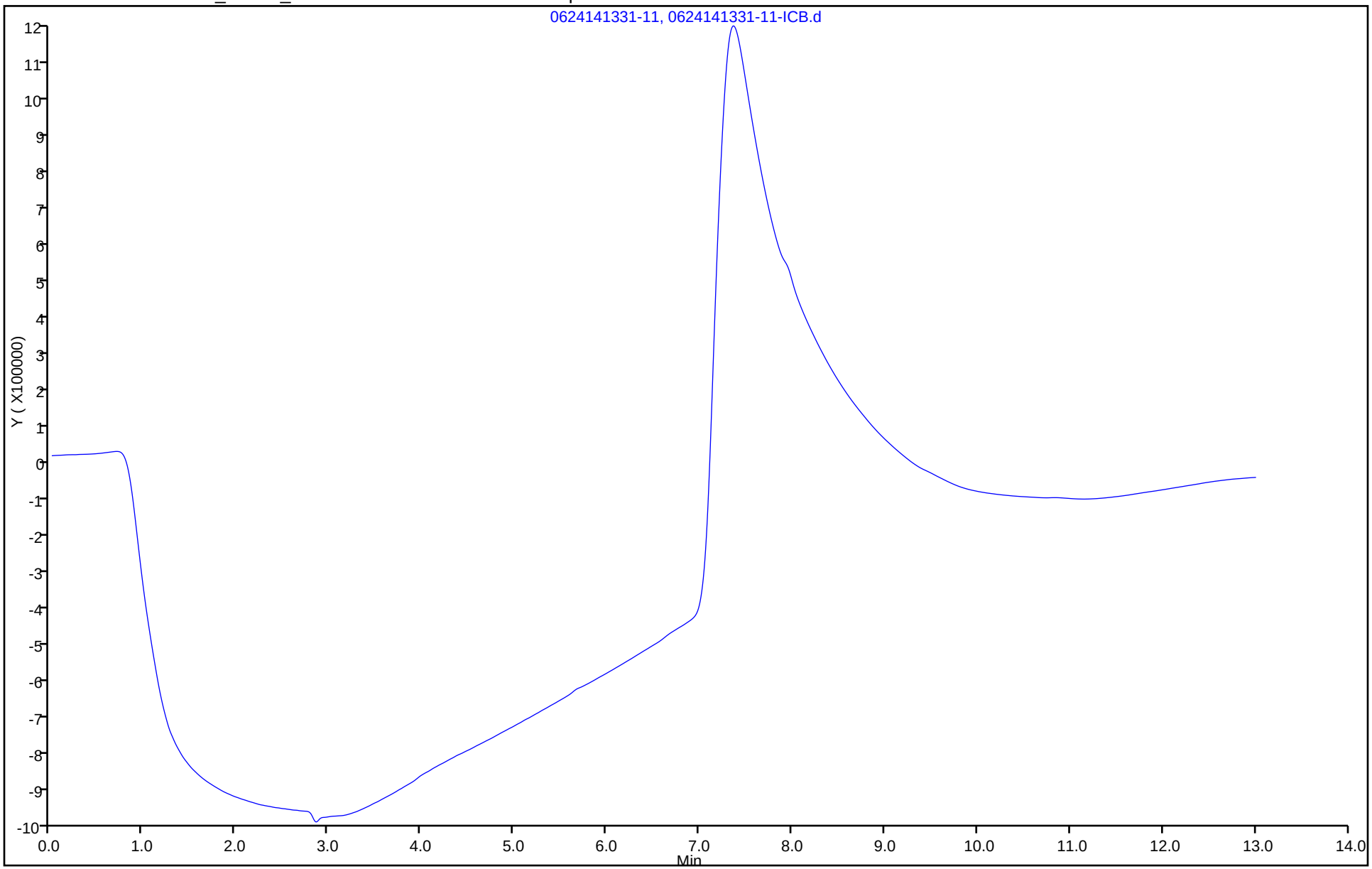
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

Report Date: 26-Jun-2014 12:01:40 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Laboratories

Data File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141331-11-ICB.d

Injection Date:	24-Jun-2014 13:31:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	ICB			Worklist Smp#:	1011
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.: 680-102773-1
SDG No.: 680102773-1
Client Sample ID:
Lab Sample ID: LCS 680-336628/6
Matrix: Water
Lab File ID: 0627141110-6.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 06/27/2014 11:10
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.: 336628
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.35		0.17	0.082
STL00672	Nitrate as NO3	4.62		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140627-10530.b\0627141110-6.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 27-Jun-2014 11:10:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCS 1G062714 Anion
Misc. Info.: 6 3590926
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140627-10530.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 30-Jun-2014 13:35:06 Calib Date: 24-Jun-2014 13:16:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141316-10.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK051

First Level Reviewer: singhv Date: 28-Jun-2014 07:35:10

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Nitrite as N	6.650	6.650	0.000	26697372	1.00	1.02	
6 Nitrate as N	9.425	9.433	-0.008	32000419	1.00	1.04	
S 9 Nitrite as NO2					3.28	3.35	
S 10 Nitrate as NO3					4.42	4.62	

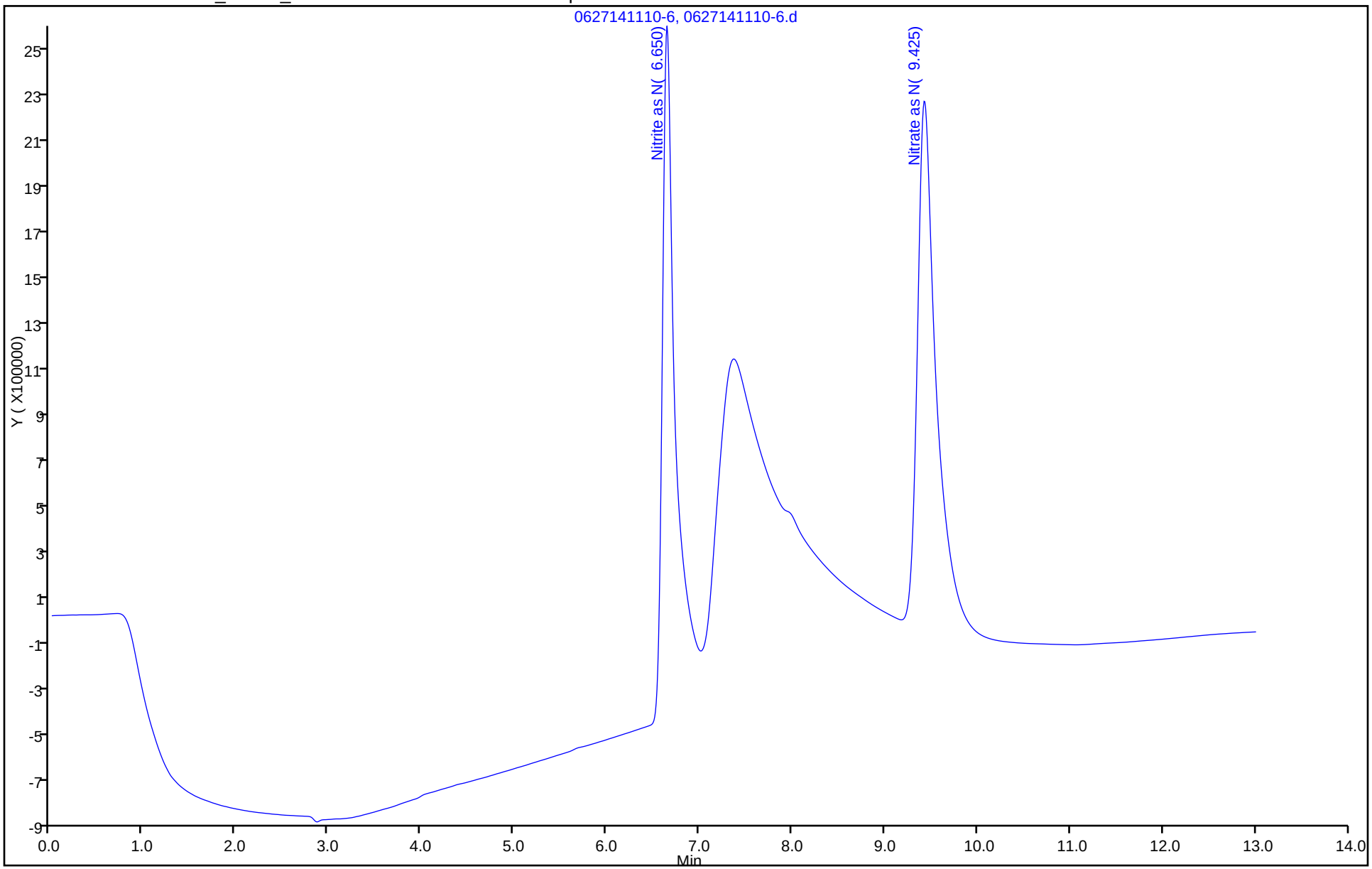
Reagents:

N-N-ICV_00165 Amount Added: 5.00 Units: mL

Report Date: 30-Jun-2014 13:35:07 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140627-10530.b\0627141110-6.d				
Injection Date:	27-Jun-2014 11:10:00	Instrument ID:	CICG	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_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-102773-1
SDG No.: 680102773-1
Client Sample ID:
Lab Sample ID: LCSD 680-336628/7
Matrix: Water
Lab File ID: 0627141126-7.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 06/27/2014 11:26
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.: 336628
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.36		0.17	0.082
STL00672	Nitrate as NO3	4.64		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140627-10530.b\0627141126-7.d
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 27-Jun-2014 11:26:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 1G062714 Anion
Misc. Info.: 7 3590926
Operator ID: Instrument ID: CICG

Method: \\SAVCHROM\ChromData\CICG\20140627-10530.b\300.0_9056A_CICG.m
Limit Group: Anions - 48Hr - ORGFRMS
Last Update: 30-Jun-2014 13:35:06 Calib Date: 24-Jun-2014 13:16:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CICG\20140624-10417.b\0624141316-10.d

Column 1 : Det: 0423131702-17
Process Host: XAWRK051

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	5 Nitrite as N	6.650	6.650	0.000	26827507	1.00	1.02	
	6 Nitrate as N	9.433	9.433	0.000	32111919	1.00	1.05	
S	9 Nitrite as NO2					3.28	3.36	
S	10 Nitrate as NO3					4.42	4.64	

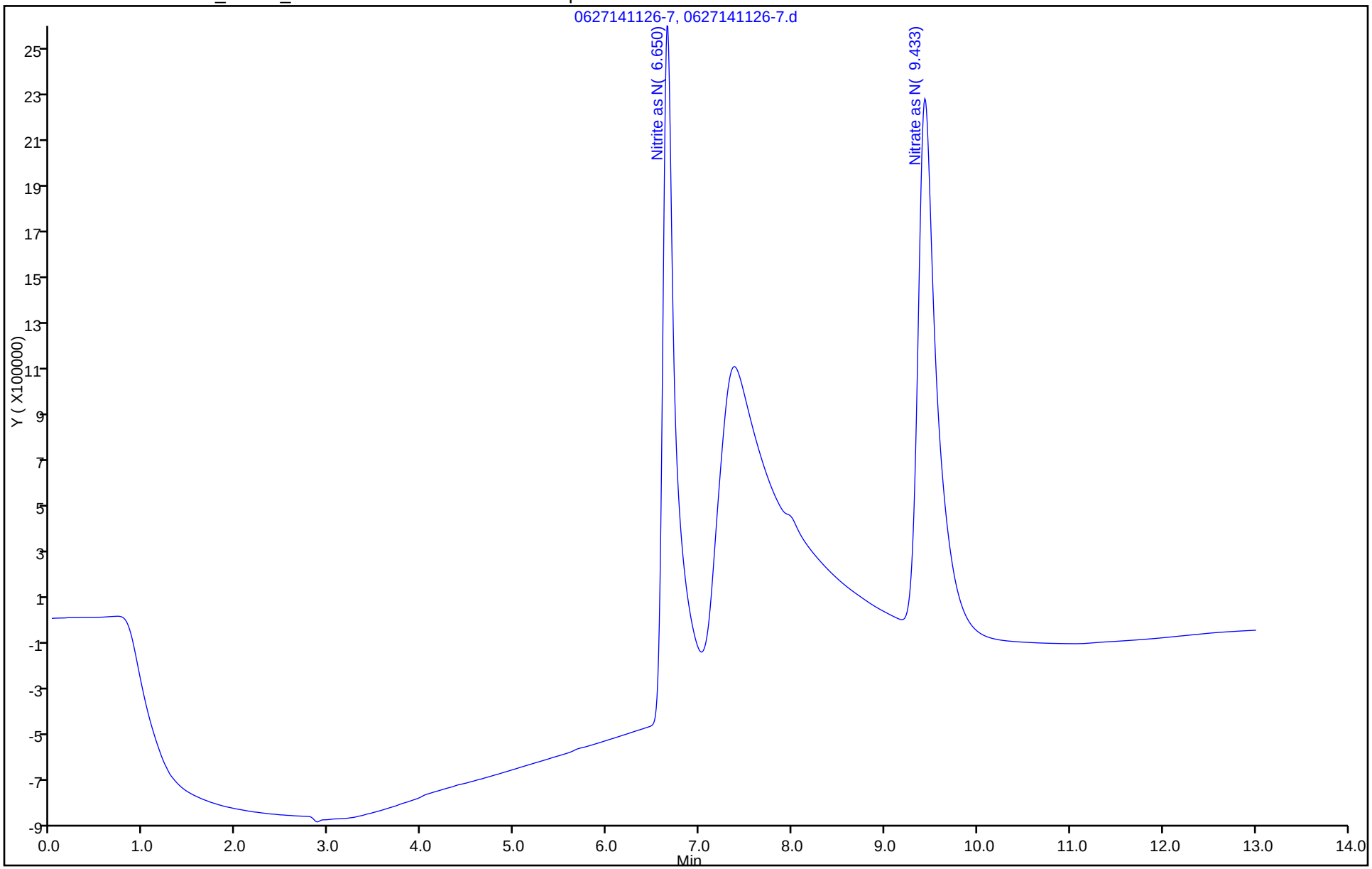
Reagents:

N-N-ICV_00165 Amount Added: 5.00 Units: mL

Report Date: 30-Jun-2014 13:35:08 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140627-10530.b\0627141126-7.d				
Injection Date:	27-Jun-2014 11:26:00	Instrument ID:	CICG	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_CICG	Limit Group:	Anions - 48Hr - ORGFRMS		



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Instrument ID: CICG Start Date: 06/24/2014 11:43

Analysis Batch Number: 336028 End Date: 06/24/2014 23:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 680-336028/4		06/24/2014 11:43	1	0624141143-4.d	AS18 4(mm)
IC 680-336028/5		06/24/2014 11:59	1	0624141159-5.d	AS18 4(mm)
IC 680-336028/6		06/24/2014 12:14	1	0624141214-6.d	AS18 4(mm)
IC 680-336028/7		06/24/2014 12:30	1	0624141230-7.d	AS18 4(mm)
IC 680-336028/8		06/24/2014 12:45	1	0624141245-8.d	AS18 4(mm)
IC 680-336028/9		06/24/2014 13:01	1	0624141301-9.d	AS18 4(mm)
IC 680-336028/10		06/24/2014 13:16	1	0624141316-10.d	AS18 4(mm)
ZZZZZ		06/24/2014 13:31	1		AS18 4(mm)
ICB 680-336028/1011		06/24/2014 13:31	1	0624141331-11-ICB.d	AS18 4(mm)
ZZZZZ		06/24/2014 13:47	1		AS18 4(mm)
ICV 680-336028/1012		06/24/2014 13:47	1	0624141347-12-ICV.d	AS18 4(mm)
ZZZZZ		06/24/2014 14:02	1		AS18 4(mm)
ZZZZZ		06/24/2014 16:43	1		AS18 4(mm)
ZZZZZ		06/24/2014 16:58	1		AS18 4(mm)
ZZZZZ		06/24/2014 17:14	1		AS18 4(mm)
ZZZZZ		06/24/2014 17:29	1		AS18 4(mm)
ZZZZZ		06/24/2014 18:00	2		AS18 4(mm)
ZZZZZ		06/24/2014 18:15	2		AS18 4(mm)
ZZZZZ		06/24/2014 18:31	2		AS18 4(mm)
ZZZZZ		06/24/2014 18:46	1		AS18 4(mm)
ZZZZZ		06/24/2014 19:02	2		AS18 4(mm)
ZZZZZ		06/24/2014 19:17	2		AS18 4(mm)
CCV 680-336028/25		06/24/2014 19:48	1		AS18 4(mm)
CCB 680-336028/26		06/24/2014 20:03	1		AS18 4(mm)
ZZZZZ		06/24/2014 20:19	10		AS18 4(mm)
ZZZZZ		06/24/2014 20:34	10		AS18 4(mm)
ZZZZZ		06/24/2014 21:36	1		AS18 4(mm)
CCV 680-336028/37		06/24/2014 22:53	1		AS18 4(mm)
CCB 680-336028/38		06/24/2014 23:08	1		AS18 4(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Instrument ID: CICG Start Date: 06/27/2014 10:40

Analysis Batch Number: 336628 End Date: 06/27/2014 17:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 680-336628/4		06/27/2014 10:40	1	0627141040-4.d	AS18 4(mm)
MB 680-336628/5		06/27/2014 10:55	1	0627141055-5.d	AS18 4(mm)
LCS 680-336628/6		06/27/2014 11:10	1	0627141110-6.d	AS18 4(mm)
LCSD 680-336628/7		06/27/2014 11:26	1	0627141126-7.d	AS18 4(mm)
ZZZZZ		06/27/2014 12:32	2		AS18 4(mm)
ZZZZZ		06/27/2014 12:47	2		AS18 4(mm)
ZZZZZ		06/27/2014 13:03	2		AS18 4(mm)
ZZZZZ		06/27/2014 13:18	2		AS18 4(mm)
ZZZZZ		06/27/2014 13:33	2		AS18 4(mm)
ZZZZZ		06/27/2014 13:49	2		AS18 4(mm)
ZZZZZ		06/27/2014 14:04	1		AS18 4(mm)
680-102773-1	SMSMW04A	06/27/2014 16:53	40	0627141653-18.d	AS18 4(mm)
CCV 680-336628/19		06/27/2014 17:17	1	0627141717-19.d	AS18 4(mm)
CCB 680-336628/20		06/27/2014 17:32	1	0627141732-20.d	AS18 4(mm)

300.0

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-102773-1

SDG No.: 680102773-1

Project: Smokey Mountain Smelter

Client Sample ID	Lab Sample ID
SMSMW04A	680-102773-1

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW04A
Lab Sample ID: 680-102773-1
Lab Name: TestAmerica Savannah
Job No.: 680-102773-1
SDG ID.: 680102773-1
Matrix: Water
Date Sampled: 06/26/2014 09:07
Reporting Basis: WET
Date Received: 06/27/2014 09:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	52	2.5	1.3	mg/L			50	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	4.4	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: 680-102773-1
Lab Name: TestAmerica Savannah
Job No.: 680-102773-1
SDG ID.: 680102773-1
Matrix: Water
Date Sampled: 06/26/2014 09:07
Reporting Basis: WET
Date Received: 06/27/2014 09:50

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	230	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	15000	50		mg/L			1	2540C-2011

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Analyst: JME Batch Start Date: 07/03/2014

Reporting Units: mg/L Analytical Batch No.: 337642

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
10	ICV	09:16	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.: 680-102773-1

SDG No.: 680102773-1

Analyst: JME Batch Start Date: 07/07/2014

Reporting Units: mg/L Analytical Batch No.: 338038

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
2	CCB	11:26	Ammonia	0.0269				J	
4	CCV	11:37	Ammonia	0.984	1.00	98	90-110		NH3 LCS_00048
6	CCV	16:34	Ammonia	1.00	1.00	100	90-110		NH3 LCS_00048
7	CCB	16:34	Ammonia	<0.026					
13	CCB	16:45	Ammonia	<0.026					
20	CCV	16:55	Ammonia	1.01	1.00	101	90-110		NH3 LCS_00048
22	CCV	17:15	Ammonia	1.01	1.00	101	90-110		NH3 LCS_00048
23	CCB	17:15	Ammonia	<0.026					
30	CCV	17:26	Ammonia	0.968	1.00	97	90-110		NH3 LCS_00048
31	CCB	17:26	Ammonia	<0.026					
41	CCV	18:35	Ammonia	1.01	1.00	101	90-110		NH3 LCS_00048
42	CCB	18:35	Ammonia	<0.026					
45	CCV	18:47	Ammonia	1.01	1.00	101	90-110		NH3 LCS_00048
46	CCB	18:47	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.: 680-102773-1

SDG No.: 680102773-1

Analyst: GRX Batch Start Date: 04/01/2014

Reporting Units: mg/L Analytical Batch No.: 322376

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
9	ICB	15:04	ortho-Phosphate	<0.016					
10	ICV	15:04	ortho-Phosphate	1.06	1.00	106			PO4 ICV_00015

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.: 680-102773-1

SDG No.: 680102773-1

Analyst: GRX Batch Start Date: 06/27/2014

Reporting Units: mg/L Analytical Batch No.: 336703

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
7	CCV	14:57	ortho-Phosphate	1.14	1.20	95	90-110		PO4 LCS_00118
8	CCB	14:57	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.: 680-102773-1

SDG No.: 680102773-1

Analyst: CMP Batch Start Date: 07/08/2014

Reporting Units: mg/L Analytical Batch No.: 338451

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	15:59	Total Organic Carbon	48.6	50.0	97	90-110		TOCCALSTD4_00073
2	CCB	16:14	Total Organic Carbon	<0.50					
13	CCV	19:11	Total Organic Carbon	48.3	50.0	97	90-110		TOCCALSTD4_00073
14	CCB	19:30	Total Organic Carbon	<0.50					
25	CCV	22:35	Total Organic Carbon	48.6	50.0	97	90-110		TOCCALSTD4_00073
26	CCB	22:52	Total Organic Carbon	<0.50					
34	CCV	00:57	Total Organic Carbon	48.7	50.0	97	90-110		TOCCALSTD4_00073
35	CCB	01:14	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.: 680-102773-1

SDG No.: 680102773-1

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 337250	Date: 07/01/2014 17:36						
2320B-2011	MB 680-337250/2	Alkalinity	<5.0		mg/L	5.0	1
Batch ID: 337098	Date: 07/01/2014 11:29						
2540C-2011	MB 680-337098/1	Total Dissolved Solids	<5.0		mg/L	5.0	1
Batch ID: 338038	Date: 07/07/2014 11:37						
350.1	MB 680-338038/5	Ammonia	<0.026		mg/L	0.050	1
Batch ID: 336703	Date: 06/27/2014 14:50						
365.1	MB 680-336703/2	ortho-Phosphate	<0.016		mg/L	0.050	1
Batch ID: 337572	Date: 07/03/2014 11:59						
4500 S2 F-2011	MB 680-337572/1	Sulfide	<1.0		mg/L	1.0	1
Batch ID: 338451	Date: 07/08/2014 17:11						
5310 B-2011	MB 680-338451/5	Total Organic Carbon	<0.50		mg/L	1.0	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 336703	Date: 06/27/2014 14:50										
365.1	680-102773-1	ortho-Phosphate	0.017	J	mg/L						
365.1	680-102773-1 MS	ortho-Phosphate	0.961		mg/L	1.00	94	90-110			

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.: 680-102773-1

SDG No.: 680102773-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 336703 Date: 06/27/2014 14:50											
365.1	680-102773-1 MSD	ortho-Phosphate	0.957		mg/L	1.00	94	90-110	0	30	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 337250	Date: 07/01/2014 17:49										
						LCS Source: AlkalinityLCS_00034					
2320B-2011	LCS 680-337250/4	Alkalinity	245		mg/L	250	98	80-120	7	30	
Batch ID: 337098	Date: 07/01/2014 11:29										
						LCS Source: TS/TDS LCS_00243					
2540C-2011	LCS 680-337098/2	Total Dissolved Solids	28.0		mg/L	25.0	112	80-120	4	25	
Batch ID: 338038	Date: 07/07/2014 16:44										
						LCS Source: NH3 LCS_00048					
350.1	LCS 680-338038/12	Ammonia	1.00		mg/L	1.00	100	90-110			
Batch ID: 336703	Date: 06/27/2014 14:50										
						LCS Source: PO4 LCS_00118					
365.1	LCS 680-336703/1	ortho-Phosphate	1.14		mg/L	1.20	95	90-110			
Batch ID: 337572	Date: 07/03/2014 11:59										
						LCS Source: SulfideLCS_00349					
4500 S2 F-2011	LCS 680-337572/2	Sulfide	10.5		mg/L	10.0	105	75-125			
Batch ID: 338451	Date: 07/08/2014 17:28										
						LCS Source: TOC LCS/ICV_00033					
5310 B-2011	LCS 680-338451/6	Total Organic Carbon	19.5		mg/L	20.0	97	80-120			

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.: 680-102773-1

SDG No.: 680102773-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 337250	Date: 07/01/2014 20:45										
						LCSD Source: AlkalinityLCS_00034					
2320B-2011	LCSD 680-337250/30	Alkalinity	262		mg/L	250	105	80-120	7	30	
Batch ID: 337098	Date: 07/01/2014 11:29										
						LCSD Source: TS/TDS LCS_00243					
2540C-2011	LCSD 680-337098/3	Total Dissolved Solids	29.0		mg/L	25.0	116	80-120	4	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: 680-102773-1

SDG Number: 680102773-1

Matrix: Water Instrument ID: KONELAB2

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: 680-102773-1

SDG Number: 680102773-1

Matrix: Water Instrument ID: KONELAB2

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: 680-102773-1

SDG Number: 680102773-1

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: 680-102773-1

SDG Number: 680102773-1

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: 680-102773-1

SDG Number: 680102773-1

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: 680-102773-1

SDG Number: 680102773-1

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: 680-102773-1

SDG Number: 680102773-1

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: 680-102773-1

SDG Number: 680102773-1

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: 680-102773-1

SDG Number: 680102773-1

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: 680-102773-1

SDG Number: 680102773-1

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: 680-102773-1

SDG Number: 680102773-1

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: 680-102773-1

SDG Number: 680102773-1

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.: 680-102773-1

SDG No.: 680102773-1

Instrument ID: KONELAB2 Method: 350.1

Start Date: 07/03/2014 09:16 End Date: 07/03/2014 09:16

Lab Sample ID	D / F	Type	Time	Analytes																			
IC 680-337642/1			09:16																				
IC 680-337642/2			09:16																				
IC 680-337642/3			09:16																				
IC 680-337642/4			09:16																				
IC 680-337642/5			09:16																				
IC 680-337642/6			09:16																				
IC 680-337642/7			09:16																				
ZZZZZZ			09:16																				
ICB 680-337642/9			09:16																				
ICV 680-337642/10	1		09:16																				

Prep Types

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Instrument ID: KONELAB2 Method: 350.1

Start Date: 07/07/2014 11:26 End Date: 07/07/2014 18:47

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
CCV 680-338038/1			11:26																				
CCB 680-338038/2	1		11:26	X																			
ZZZZZZ			11:36																				
CCV 680-338038/4	1		11:37	X																			
MB 680-338038/5	1	T	11:37	X																			
CCV 680-338038/6	1		16:34	X																			
CCB 680-338038/7	1		16:34	X																			
ZZZZZZ			16:34																				
ZZZZZZ			16:34																				
ZZZZZZ			16:34																				
ZZZZZZ			16:34																				
LCS 680-338038/12	1	T	16:44	X																			
CCB 680-338038/13	1		16:45	X																			
ZZZZZZ			16:45																				
ZZZZZZ			16:45																				
ZZZZZZ			16:45																				
ZZZZZZ			16:45																				
ZZZZZZ			16:45																				
ZZZZZZ			16:45																				
CCV 680-338038/20	1		16:55	X																			
CCB 680-338038/21			16:55																				
CCV 680-338038/22	1		17:15	X																			
CCB 680-338038/23	1		17:15	X																			
ZZZZZZ			17:26																				
ZZZZZZ			17:26																				
ZZZZZZ			17:26																				
ZZZZZZ			17:26																				
ZZZZZZ			17:26																				
ZZZZZZ			17:26																				
CCV 680-338038/30	1		17:26	X																			
CCB 680-338038/31	1		17:26	X																			
ZZZZZZ			17:26																				
ZZZZZZ			17:26																				
ZZZZZZ			17:26																				
ZZZZZZ			17:26																				
CCV 680-338038/36			17:45																				
CCB 680-338038/37			17:45																				
CCV 680-338038/38			18:27																				
CCB 680-338038/39			18:27																				
ZZZZZZ			18:28																				
CCV 680-338038/41	1		18:35	X																			
CCB 680-338038/42	1		18:35	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Instrument ID: KONELAB2 Method: 350.1

Start Date: 07/07/2014 11:26 End Date: 07/07/2014 18:47

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			18:35																				
680-102773-1	50	T	18:45	X																			
CCV 680-338038/45	1		18:47	X																			
CCB 680-338038/46	1		18:47	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Instrument ID: KONELAB2 Method: 365.1

Start Date: 04/01/2014 15:04 End Date: 04/01/2014 15:04

Lab Sample ID	D / F	Type	Time	Analytes																			
IC 680-322376/1			15:04																				
IC 680-322376/2			15:04																				
IC 680-322376/3			15:04																				
IC 680-322376/4			15:04																				
IC 680-322376/5			15:04																				
IC 680-322376/6			15:04																				
IC 680-322376/7			15:04																				
IC 680-322376/8			15:04																				
ICB 680-322376/9	1		15:04																				
ICV 680-322376/10	1		15:04																				

Prep Types

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Instrument ID: KONELAB2 Method: 365.1

Start Date: 06/27/2014 14:50 End Date: 06/27/2014 14:57

Lab Sample ID	D/F	Type	Time	Analytes																			
				PO4																			
LCS 680-336703/1	1	T	14:50	X																			
MB 680-336703/2	1	T	14:50	X																			
ZZZZZZ			14:50																				
680-102773-1	1	T	14:50	X																			
680-102773-1 MS	1	T	14:50	X																			
680-102773-1 MSD	1	T	14:50	X																			
CCV 680-336703/7	1		14:57	X																			
CCB 680-336703/8	1		14:57	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Instrument ID: NOEQUIP Method: 4500 S2 F-2011

Start Date: 07/03/2014 11:59 End Date: 07/03/2014 11:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				S2																			
MB 680-337572/1	1	T	11:59	X																			
LCS 680-337572/2	1	T	11:59	X																			
ZZZZZZ			11:59																				
ZZZZZZ			11:59																				
ZZZZZZ			11:59																				
ZZZZZZ			11:59																				
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ZZZZZZ			11:59																				
ZZZZZZ			11:59																				
ZZZZZZ			11:59																				
680-102773-1	1	T	11:59	X																			
ZZZZZZ			11:59																				
ZZZZZZ			11:59																				
ZZZZZZ			11:59																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Instrument ID: MANTECH Method: 2320B-2011

Start Date: 07/01/2014 17:30 End Date: 07/01/2014 20:45

Lab Sample ID	D/F	Type	Time	Analytes																			
				Alk																			
ZZZZZZ			17:30																				
MB 680-337250/2	1	T	17:36	X																			
ZZZZZZ			17:42																				
LCS 680-337250/4	1	T	17:49	X																			
ZZZZZZ			17:56																				
ZZZZZZ			18:05																				
ZZZZZZ			18:12																				
ZZZZZZ			18:20																				
ZZZZZZ			18:26																				
ZZZZZZ			18:33																				
ZZZZZZ			18:40																				
ZZZZZZ			18:46																				
ZZZZZZ			18:50																				
ZZZZZZ			18:56																				
ZZZZZZ			19:02																				
ZZZZZZ			19:09																				
ZZZZZZ			19:16																				
ZZZZZZ			19:25																				
ZZZZZZ			19:32																				
ZZZZZZ			19:39																				
680-102773-1	1	T	19:47	X																			
ZZZZZZ			19:54																				
ZZZZZZ			20:01																				
ZZZZZZ			20:05																				
ZZZZZZ			20:12																				
ZZZZZZ			20:19																				
ZZZZZZ			20:26																				
ZZZZZZ			20:33																				
ZZZZZZ			20:36																				
LCSD 680-337250/30	1	T	20:45	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Instrument ID: NOEQUIP Method: 2540C-2011

Start Date: 07/01/2014 11:29 End Date: 07/01/2014 11:29

Lab Sample ID	D/F	Type	Time	Analytes																			
				TDS																			
MB 680-337098/1	1	T	11:29	X																			
LCS 680-337098/2	1	T	11:29	X																			
LCSD 680-337098/3	1	T	11:29	X																			
ZZZZZZ			11:29																				
ZZZZZZ			11:29																				
ZZZZZZ			11:29																				
ZZZZZZ			11:29																				
ZZZZZZ			11:29																				
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ZZZZZZ			11:29																				
ZZZZZZ			11:29																				
680-102773-1	1	T	11:29	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 07/08/2014 15:59 End Date: 07/10/2014 10:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC																			
CCV 680-338451/1	1		15:59	X																			
CCB 680-338451/2	1		16:14	X																			
ZZZZZZ			16:35																				
ZZZZZZ			16:55																				
MB 680-338451/5	1	T	17:11	X																			
LCS 680-338451/6	1	T	17:28	X																			
ZZZZZZ			17:44																				
ZZZZZZ			18:01																				
ZZZZZZ			18:12																				
ZZZZZZ			18:28																				
ZZZZZZ			18:42																				
ZZZZZZ			18:57																				
CCV 680-338451/13	1		19:11	X																			
CCB 680-338451/14	1		19:30	X																			
ZZZZZZ			19:49																				
ZZZZZZ			20:04																				
ZZZZZZ			20:20																				
ZZZZZZ			20:36																				
ZZZZZZ			20:51																				
ZZZZZZ			21:13																				
ZZZZZZ			21:32																				
ZZZZZZ			21:48																				
ZZZZZZ			22:04																				
ZZZZZZ			22:21																				
CCV 680-338451/25	1		22:35	X																			
CCB 680-338451/26	1		22:52	X																			
680-102773-1	1	T	23:08	X																			
ZZZZZZ			23:25																				
ZZZZZZ			23:41																				
ZZZZZZ			23:58																				
ZZZZZZ			00:12																				
ZZZZZZ			00:28																				
ZZZZZZ			00:43																				
CCV 680-338451/34	1		00:57	X																			
CCB 680-338451/35	1		01:14	X																			
ZZZZZZ			01:30																				
ZZZZZZ			01:45																				
ZZZZZZ			01:56																				
ZZZZZZ			02:12																				
ZZZZZZ			02:27																				
ZZZZZZ			02:38																				
ZZZZZZ			02:52																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 07/08/2014 15:59 End Date: 07/10/2014 10:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC																			
ZZZZZZ			03:06																				
ZZZZZZ			03:21																				
ZZZZZZ			03:37																				
ZZZZZZ			03:54																				
ZZZZZZ			04:10																				
ZZZZZZ			04:26																				
ZZZZZZ			04:41																				
ZZZZZZ			04:57																				
ZZZZZZ			05:14																				
ZZZZZZ			05:27																				
ZZZZZZ			05:43																				
ZZZZZZ			06:02																				
ZZZZZZ			06:18																				
ZZZZZZ			06:35																				
ZZZZZZ			06:51																				
ZZZZZZ			07:07																				
ZZZZZZ			07:22																				
ZZZZZZ			07:39																				
ZZZZZZ			07:54																				
ZZZZZZ			08:10																				
ZZZZZZ			08:29																				
ZZZZZZ			08:45																				
ZZZZZZ			09:02																				
ZZZZZZ			09:16																				
ZZZZZZ			09:33																				
ZZZZZZ			09:51																				
ZZZZZZ			11:19																				
ZZZZZZ			11:30																				
ZZZZZZ			11:48																				
ZZZZZZ			12:05																				
ZZZZZZ			12:21																				
ZZZZZZ			12:40																				
ZZZZZZ			13:00																				
ZZZZZZ			13:17																				
ZZZZZZ			13:27																				
ZZZZZZ			13:44																				
ZZZZZZ			14:01																				
ZZZZZZ			14:16																				
ZZZZZZ			14:32																				
ZZZZZZ			14:47																				
ZZZZZZ			15:06																				
ZZZZZZ			15:20																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 07/08/2014 15:59 End Date: 07/10/2014 10:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC																			
ZZZZZZ			15:37																				
ZZZZZZ			15:55																				
ZZZZZZ			16:15																				
ZZZZZZ			16:29																				
ZZZZZZ			16:44																				
ZZZZZZ			17:00																				
ZZZZZZ			17:15																				
ZZZZZZ			17:29																				
ZZZZZZ			17:44																				
ZZZZZZ			18:07																				
ZZZZZZ			18:21																				
ZZZZZZ			18:32																				
ZZZZZZ			18:51																				
ZZZZZZ			19:05																				
ZZZZZZ			19:20																				
ZZZZZZ			19:38																				
ZZZZZZ			19:53																				
ZZZZZZ			20:13																				
ZZZZZZ			20:28																				
ZZZZZZ			20:44																				
ZZZZZZ			21:01																				
ZZZZZZ			21:17																				
ZZZZZZ			21:32																				
ZZZZZZ			21:50																				
ZZZZZZ			22:09																				
ZZZZZZ			22:23																				
ZZZZZZ			22:34																				
ZZZZZZ			22:51																				
ZZZZZZ			23:07																				
ZZZZZZ			23:24																				
ZZZZZZ			23:41																				
ZZZZZZ			23:58																				
ZZZZZZ			00:11																				
ZZZZZZ			00:25																				
ZZZZZZ			00:39																				
ZZZZZZ			00:56																				
ZZZZZZ			01:17																				
ZZZZZZ			01:31																				
ZZZZZZ			01:46																				
ZZZZZZ			02:04																				
ZZZZZZ			02:21																				
ZZZZZZ			02:37																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Instrument ID: TOC3 Method: 5310 B-2011

Start Date: 07/08/2014 15:59 End Date: 07/10/2014 10:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC																			
ZZZZZZ			02:48																				
ZZZZZZ			03:03																				
ZZZZZZ			03:17																				
ZZZZZZ			03:31																				
ZZZZZZ			03:42																				
ZZZZZZ			03:57																				
ZZZZZZ			04:12																				
ZZZZZZ			04:26																				
ZZZZZZ			04:43																				
ZZZZZZ			05:01																				
ZZZZZZ			05:16																				
ZZZZZZ			05:30																				
ZZZZZZ			05:49																				
ZZZZZZ			06:07																				
ZZZZZZ			06:20																				
ZZZZZZ			06:36																				
ZZZZZZ			06:53																				
ZZZZZZ			07:07																				
ZZZZZZ			07:28																				
ZZZZZZ			07:44																				
ZZZZZZ			07:58																				
ZZZZZZ			08:19																				
ZZZZZZ			08:35																				
ZZZZZZ			08:50																				
ZZZZZZ			09:09																				
ZZZZZZ			09:23																				
ZZZZZZ			09:40																				
ZZZZZZ			09:56																				
ZZZZZZ			10:11																				
ZZZZZZ			10:30																				

Prep Types

T = Total/NA

Result Report AquaKem 6.5 Page: 1

TestAmerica Savannah
Konelab 2

Date : 2014-07-03
Time : 15.30

337642/337643

Test Ammonia
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
LCS-NH3	0.9620		2014-07-03 09.16	
ICB-NH3	0.0133		2014-07-03 09.16	
ICV-NH3	1.0317		2014-07-03 09.16	
CCV-NH3	1.0356		2014-07-03 14.25	
CCB-NH3	0.0126		2014-07-03 14.25	
580-44236K14A	0.0472		2014-07-03 14.25	
580-44236K15A	0.0283		2014-07-03 14.26	
580-44236L17A	0.0446		2014-07-03 14.26	
580-44236Z18A	0.0423		2014-07-03 14.26	
580-44236K19A	0.0282		2014-07-03 14.26	
580-44236Z20A	0.0581		2014-07-03 14.26	
580-44236K21A	0.0880		2014-07-03 14.26	
580-44236K22A	0.0325		2014-07-03 14.26	
580-44236L23A	0.0541		2014-07-03 14.26	
660-61433B4A	0.3325		2014-07-03 14.26	
CCV-NH3	1.0403		2014-07-03 14.36	
CCB-NH3	0.0142		2014-07-03 14.36	
MB 337545/1-A	0.0253		2014-07-03 14.36	
LCS 337545/2-A	0.9486		2014-07-03 14.36	
LLCS 337545/3-A	0.0546		2014-07-03 14.36	
580-44236K16A	0.0308		2014-07-03 14.36	
580-44236K16B MS	1.1274		2014-07-03 14.36	
580-44236K16C MS	1.0521		2014-07-03 14.36	
CCV-NH3	1.0456		2014-07-03 14.44	
CCB-NH3	0.0154		2014-07-03 14.44	
640-48436D2A	99.8962	1+49.0	2014-07-03 14.53	
CCV-NH3	1.0485		2014-07-03 14.54	
CCB-NH3	0.0155		2014-07-03 14.54	
660-61439A1A	2.7602	1+1.0	2014-07-03 15.01	R
580-44236L13B DU	0.1135		2014-07-03 15.02	R
MDLV 337545/23-A	0.0639		2014-07-03 15.08	R
RLV 337545/24-A	0.0600		2014-07-03 15.08	R
660-61444A1A	39.1030	1+19.0	2014-07-03 15.12	R
CCV-NH3	1.0215		2014-07-03 15.15	
CCB-NH3	0.0159		2014-07-03 15.15	
640-48436D1A	153.6452	1+99.0	2014-07-03 15.20	R
CCV-NH3	1.0069		2014-07-03 15.22	
CCB-NH3	0.0106		2014-07-03 15.22	
580-44236L13A	0.0429		2014-07-03 15.23	R
CCV-NH3	1.0094		2014-07-03 15.30	
CCB-NH3	0.0135		2014-07-03 15.30	

Calibration results AquaKem 6.5 Page: 1

TestAmerica Savannah
Konelab 2

03.07.2014 15:31

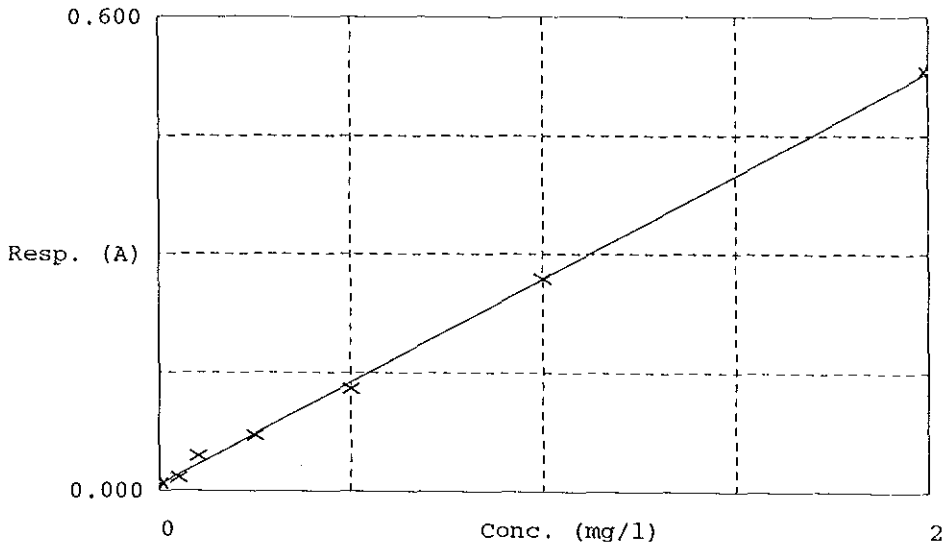
Test Ammonia

Accepted 03.07.2014 09:16

Factor 3.833
Bias 0.008

Coeff. of det. 0.999036

Errors Meas. error,QC rule violated



	Calibrator	Response	Calc. con.	Conc.	Errors
1	NH3-0	0.010	0.00684	0.00000	Blank resp. low
2	NH3-0.050	0.017	0.03469	0.05000	
3	NH3-0.10	0.044	0.14072	0.10000	Blank resp. low
4	NH3-0.25	0.071	0.24122	0.25000	
5	NH3-0.50	0.130	0.46873	0.50000	Blank resp. low
6	NH3-1.0	0.269	1.00107	1.00000	Blank resp. low
7	NH3-2.0	0.531	2.00673	2.00000	
8	LCS-NH3(control	0.259	0.96198	1.00000	Blank resp. low
9	ICB-NH3(control	0.011	0.01330	0.00000	Test limit low, Blank r
10	ICV-NH3(control	0.277	1.03169	1.00000	Blank resp. low

TestAmerica Savannah
Konelab 2

03.07.2014 15:31

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response

N	31
Mean	14.9076
SD	40.41473
CV%	271.10

TestAmerica Savannah
Konelab 2

Date : 2014-07-08
Time : 09.18

Test Ammonia
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
CCV-NH3	0.9629		2014-07-07 10.50	
CCB-NH3	0.0086		2014-07-07 10.50	
CCV-NH3	0.9697		2014-07-07 11.18	
CCB-NH3	0.0107		2014-07-07 11.18	
660-61402A3	2.8500	1+1.0	2014-07-07 11.22	R
CCV-NH3	0.9681		2014-07-07 11.26	
CCB-NH3	0.0269		2014-07-07 11.26	
LLCS NH3	0.0487		2014-07-07 11.36	R
660-61402A1	0.1097		2014-07-07 11.36	R
660-61402A1 MS	1.2151		2014-07-07 11.36	R
660-61402A1 MSD	1.2737		2014-07-07 11.36	R
660-61402A2	1.2606		2014-07-07 11.36	R
660-61402A2 DU	1.2806		2014-07-07 11.36	R
102782C6	0.0635		2014-07-07 11.36	R
102782C7	0.0827		2014-07-07 11.37	R
102782C8	0.1049		2014-07-07 11.37	R
102782C9	0.0626		2014-07-07 11.37	R
CCV-NH3	0.9840		2014-07-07 11.37	
CCB-NH3	0.0081		2014-07-07 11.37	
660-61386A1	0.1383		2014-07-07 11.47	R
660-61388A1	0.1169		2014-07-07 11.47	R
660-61413D1	0.0954		2014-07-07 11.47	R
102811A1	0.0422		2014-07-07 11.47	R
102811A2	0.1014		2014-07-07 11.47	R
580-44284A1	0.0400		2014-07-07 11.47	R
580-44284A2	0.0354		2014-07-07 11.47	R
580-44284A3	0.0314		2014-07-07 11.47	R
MDLV NH3	0.0617		2014-07-07 11.47	R
RLV NH3	0.0505		2014-07-07 11.47	R
CCV-NH3	0.9736		2014-07-07 11.57	
CCB-NH3	0.0109		2014-07-07 11.57	
102707B1	56.7150	1+49.0	2014-07-07 11.57	R
CCV-NH3	0.9659		2014-07-07 12.00	
CCB-NH3	0.0131		2014-07-07 12.00	
MDLV NH3	0.0664		2014-07-07 12.05	
CCV-NH3	0.9626		2014-07-07 12.08	
CCB-NH3	0.0113		2014-07-07 12.08	
CCV-NH3	0.9720		2014-07-07 12.28	
CCB-NH3	0.0107		2014-07-07 12.28	
MDLV NH3	0.0666		2014-07-07 12.28	
102707B2 200	280.7847		2014-07-07 12.28	
CCV-NH3	0.9370		2014-07-07 12.33	
CCB-NH3	0.0128		2014-07-07 12.33	
CCV-NH3	0.9635		2014-07-07 13.16	
CCB-NH3	0.0301		2014-07-07 13.16	
400-92688B2	8.7081	1+4.0	2014-07-07 13.16	R
CCV-NH3	0.9687		2014-07-07 13.18	
CCB-NH3	0.0145		2014-07-07 13.18	
CCV-NH3	0.9916		2014-07-07 14.04	
CCB-NH3	0.0132		2014-07-07 14.04	
640-48413K2	0.0910		2014-07-07 14.04	
640-48413K2 MS	1.2191		2014-07-07 14.04	
640-48413K2 MSD	1.1967		2014-07-07 14.04	
640-48413K1	0.1087		2014-07-07 14.04	
640-48413K1 DU	0.1146		2014-07-07 14.04	
580-44284A4	0.0609		2014-07-07 14.04	
580-44284A5	0.1729		2014-07-07 14.05	
CCV-NH3	1.0003		2014-07-07 14.15	
CCB-NH3	0.0203		2014-07-07 14.15	
640-48434A5	0.1790		2014-07-07 14.15	
660-61419A1	0.1299		2014-07-07 14.15	

TestAmerica Savannah
Konelab 2

Date : 2014-07-08
Time : 09.18

Test Ammonia
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
CCV-NH3	0.9823		2014-07-07 14.24	
CCB-NH3	0.0161		2014-07-07 14.24	
660-61454C1	0.1718		2014-07-07 14.24	
660-61477A2	0.4358		2014-07-07 14.24	
660-61479G1 1K	1e+003		2014-07-07 14.24	
CCV-NH3	0.9995		2014-07-07 14.31	
CCB-NH3	0.0101		2014-07-07 14.31	
640-48413K2 MS	1.1890		2014-07-07 14.38	
CCV-NH3	0.9892		2014-07-07 14.40	
CCB-NH3	0.0116		2014-07-07 14.40	
CCV-NH3	0.9901		2014-07-07 15.07	
CCB-NH3	0.0120		2014-07-07 15.07	
660-61477A1	0.0458		2014-07-07 15.07	R
640-48403A5	0.0688		2014-07-07 15.07	R
640-48413D3	0.0642		2014-07-07 15.07	R
640-48420A1	0.0503		2014-07-07 15.07	R
640-48427-E-2	0.2784		2014-07-07 15.07	R
640-48427H5	0.1234		2014-07-07 15.07	R
640-48432A5	0.5112		2014-07-07 15.07	R
640-48427-E-1	11.6957	1+9.0	2014-07-07 15.18	R
640-48427H3	12.2541	1+9.0	2014-07-07 15.18	R
640-48427G4	16.6637	1+9.0	2014-07-07 15.18	R
CCV-NH3	1.0040		2014-07-07 15.18	
CCB-NH3	0.0178		2014-07-07 15.18	
640-48427H6	11.8793	1+9.0	2014-07-07 15.18	R
CCV-NH3	1.0026		2014-07-07 15.21	
CCB-NH3	0.0116		2014-07-07 15.21	
CCV-NH3	1.0006		2014-07-07 15.43	
CCB-NH3	0.0108		2014-07-07 15.43	
660-61477-A-1	0.0292		2014-07-07 15.43	
660-61477-A-1	0.0294		2014-07-07 15.43	
CCV-NH3	0.9837		2014-07-07 15.44	
CCB-NH3	0.0122		2014-07-07 15.44	
CCV-NH3	1.0030		2014-07-07 16.34	
CCB-NH3	0.0136		2014-07-07 16.34	
102700A3	0.4963		2014-07-07 16.34	
102700A4	0.2927		2014-07-07 16.34	
102762A1	0.2723		2014-07-07 16.34	
102762A2	0.4739		2014-07-07 16.34	
CCV-NH3	1.0013		2014-07-07 16.44	
CCB-NH3	0.0138		2014-07-07 16.45	
102817G2	0.4086		2014-07-07 16.45	
102817G3	0.0554		2014-07-07 16.45	
102817G4	0.0836		2014-07-07 16.45	
102817G5	0.1479		2014-07-07 16.45	
102817G6	0.1053		2014-07-07 16.45	
102817G7	0.1465		2014-07-07 16.45	
102847D1	0.1598		2014-07-07 16.45	
102847D1 MS	1.2689		2014-07-07 16.45	
102847D1 MSD	1.2554		2014-07-07 16.45	
102847D2	1.2091		2014-07-07 16.45	
CCV-NH3	1.0069		2014-07-07 16.55	
CCB-NH3	0.0137		2014-07-07 16.55	
CCV-NH3	1.0064		2014-07-07 17.15	
CCB-NH3	0.0153		2014-07-07 17.15	
102889B18	0.5662		2014-07-07 17.15	
102707B3	0.0895		2014-07-07 17.26	R
102707B3 MS	1.2948		2014-07-07 17.26	R
102707B3 MSD	1.3050		2014-07-07 17.26	R
102707B4 100	117.9830		2014-07-07 17.26	R
102707B4 DU 100	123.5470		2014-07-07 17.26	R

TestAmerica Savannah
Konelab 2

Date : 2014-07-08
Time : 09.19

Test Ammonia
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
102529A5	0.0652		2014-07-07 17.26	R
CCV-NH3	0.9677		2014-07-07 17.26	
CCB-NH3	0.0153		2014-07-07 17.26	
102762A3	0.4676		2014-07-07 17.26	R
102762A4	0.3192		2014-07-07 17.26	R
102798-E-5	1.2603		2014-07-07 17.26	R
102817I1	0.2874		2014-07-07 17.26	R
102817G9	0.9023		2014-07-07 17.34	R
102817G10	0.6795		2014-07-07 17.34	R
102847D4	0.2074		2014-07-07 17.34	R
102847D1 MS	1.3031		2014-07-07 17.34	
102817G8	2.0800	1+1.0	2014-07-07 17.45	R
CCV-NH3	1.0053		2014-07-07 17.45	
CCB-NH3	0.0162		2014-07-07 17.45	
102847D3	2.8437	1+1.0	2014-07-07 17.45	R
CCV-NH3	0.9723		2014-07-07 17.50	
CCB-NH3	0.0133		2014-07-07 17.50	
CCV-NH3	1.0107		2014-07-07 18.27	
CCB-NH3	0.0168		2014-07-07 18.27	
102847D2 DU	1.2466		2014-07-07 18.27	R
102847D5	0.1000		2014-07-07 18.27	R
102847D6	0.0743		2014-07-07 18.27	R
102882B2	0.2425		2014-07-07 18.27	R
102889B11	0.1802		2014-07-07 18.27	R
102889B12	0.1629		2014-07-07 18.27	R
102889B14	0.1706		2014-07-07 18.28	R
102889B15	0.3370		2014-07-07 18.28	R
102889B17	0.3945		2014-07-07 18.28	R
102529A1 1K	799.4197		2014-07-07 18.28	
CCV-NH3	1.0072		2014-07-07 18.35	
CCB-NH3	0.0142		2014-07-07 18.35	
102529A4 200	254.6045		2014-07-07 18.35	
102773G1	52.4711	1+49.0	2014-07-07 18.46	R
102889B10	2.4985	1+1.0	2014-07-07 18.46	R
102889B13	3.0480	1+1.0	2014-07-07 18.46	R
102889B16	2.9866	1+1.0	2014-07-07 18.46	R
CCV-NH3	1.0125		2014-07-07 18.47	
CCB-NH3	0.0113		2014-07-07 18.47	
CCB-NH3	0.0111		2014-07-07 19.52	
CCV-NH3	1.0116		2014-07-07 19.52	
102889B26 MS	1.5756		2014-07-07 19.52	
102889B26 MSD	1.5633		2014-07-07 19.52	
102889B27	0.1611		2014-07-07 19.52	
102889B27 DU	0.1555		2014-07-07 19.52	
102889B22	0.5945		2014-07-07 19.52	
CCV-NH3	1.0211		2014-07-07 20.03	
CCB-NH3	0.0144		2014-07-07 20.03	
102889B28	0.2853		2014-07-07 20.03	
102889B29	0.0980		2014-07-07 20.03	
102889B30	0.1272		2014-07-07 20.03	
102889B31	0.1038		2014-07-07 20.03	
102889B32	0.4028		2014-07-07 20.03	
102889B33	0.1249		2014-07-07 20.03	
102889B34	0.7304		2014-07-07 20.03	
102889B26	0.3780		2014-07-07 20.14	
102889B35	0.3148		2014-07-07 20.14	
CCV-NH3	1.0031		2014-07-07 20.14	
CCB-NH3	0.0169		2014-07-07 20.14	
102889B36	1.4134		2014-07-07 20.14	
102900D2	0.1210		2014-07-07 20.14	
102900D2 DU	0.1231		2014-07-07 20.14	

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Date : 2014-07-08
Time : 09.19

Test Ammonia
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
CCV-NH3	1.0222		2014-07-07 20.25	
CCB-NH3	0.0138		2014-07-07 20.25	
102889B41	0.8713		2014-07-07 20.25	
102889B42	0.5252		2014-07-07 20.25	
102889B43	0.2076		2014-07-07 20.25	
102889B44	0.1737		2014-07-07 20.25	
102900D3	0.0880		2014-07-07 20.25	
102916K1	0.5708		2014-07-07 20.25	
102932H2	0.2550		2014-07-07 20.25	
CCV-NH3	1.0282		2014-07-07 20.34	
CCB-NH3	0.0107		2014-07-07 20.34	
102940D3	0.0949		2014-07-07 20.34	
102940D4	0.0953		2014-07-07 20.34	
102940D5	0.0715		2014-07-07 20.34	
102978A1	7.5687	1+4.0	2014-07-07 20.45	
102978A2	6.8823	1+4.0	2014-07-07 20.45	
102872D1 100	697.8146	1+4.0	2014-07-07 20.45	
CCV-NH3	1.0031		2014-07-07 20.56	
CCB-NH3	0.0133		2014-07-07 20.56	
102978A3	7.8991	1+4.0	2014-07-07 20.56	
CCV-NH3	0.9919		2014-07-07 21.07	
CCB-NH3	0.0138		2014-07-07 21.07	
CCV-NH3	1.0430		2014-07-08 08.55	
CCB-NH3	0.0128		2014-07-08 08.55	
102889B19	0.1881		2014-07-08 08.55	R
102889B21	0.7266		2014-07-08 08.55	R
102889B23	0.2932		2014-07-08 08.55	R
102889B25	0.8124		2014-07-08 08.55	R
102889B37	1.2036		2014-07-08 08.55	R
102900D1	0.1786		2014-07-08 08.55	R
102900D1 MS	1.5418		2014-07-08 08.55	R
102900D1 MSD	1.5111		2014-07-08 08.55	R
102889B40	0.4496		2014-07-08 08.55	R
102940D1	0.2398		2014-07-08 08.55	R
CCV-NH3	1.0363		2014-07-08 09.03	
CCB-NH3	0.0129		2014-07-08 09.03	
102940D2	0.1643		2014-07-08 09.03	R
102968C1	2.8705	1+1.0	2014-07-08 09.13	R
102889B20	2.7157	1+1.0	2014-07-08 09.13	R
102889B24	3.8202	1+1.0	2014-07-08 09.13	R
102889B38	3.8442	1+1.0	2014-07-08 09.13	R
102889B39	3.3165	1+1.0	2014-07-08 09.13	R
CCV-NH3	1.0297		2014-07-08 09.15	
CCB-NH3	0.0114		2014-07-08 09.15	

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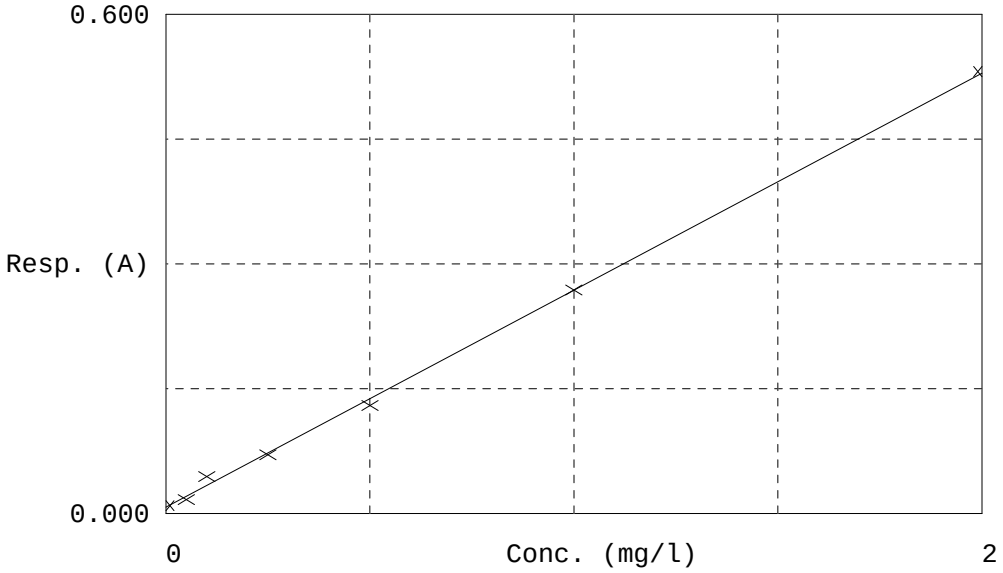
Test Ammonia

Accepted 03.07.2014 09:16

Factor 3.833
Bias 0.008

Coeff. of det. 0.999036

Errors Meas. error



	Calibrator	Response	Calc. con.	Conc.	Errors
1	NH3-0	0.010	0.00684	0.00000	Blank resp. low
2	NH3-0.050	0.017	0.03469	0.05000	
3	NH3-0.10	0.044	0.14072	0.10000	Blank resp. low
4	NH3-0.25	0.071	0.24122	0.25000	
5	NH3-0.50	0.130	0.46873	0.50000	Blank resp. low
6	NH3-1.0	0.269	1.00107	1.00000	Blank resp. low
7	NH3-2.0	0.531	2.00673	2.00000	

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Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
CCV-NH3	0.9629	0.0	0.259	
CCB-NH3	0.0086	0.0	0.010	Test limit low
LLCS NH3	0.0442	0.0	0.019	
660-61402A1	0.1008	0.0	0.034	
660-61402A1 MS	1.2437	0.0	0.332	
660-61402A1 MSD	1.2780	0.0	0.341	
660-61402A2	1.2379	0.0	0.331	
660-61402A2 DU	1.2490	0.0	0.334	
660-61386A1	0.0913	0.0	0.032	
660-61388A1	0.0820	0.0	0.029	
660-61402A3	3.0084	0.0	0.793	
660-61413D1	0.2145	0.0	0.064	
CCV-NH3	1.0462	0.0	0.281	Blank resp. low
CCB-NH3	0.3137	0.0	0.090	Rule 1 violated
102707B1	18.1679	0.0	4.748	
102707B2	38.4057	0.0	10.028	Abs. high
102782C6	0.7806	0.0	0.211	
102782C7	0.1526	0.0	0.048	
102782C8	0.1227	0.0	0.040	
102782C9	0.0669	0.0	0.025	
102811A1	0.0347	0.0	0.017	Blank resp. low
102811A2	0.1713	0.0	0.052	
400-92688B2	3.0914	0.0	0.814	
580-44284A1	0.1500	0.0	0.047	
CCV-NH3	1.0235	0.0	0.275	Blank resp. low
CCB-NH3	0.0627	0.0	0.024	Rule 1 violated
580-44284A2	0.0794	0.0	0.028	
580-44284A3	0.0500	0.0	0.021	
MDLV NH3	0.1405	0.0	0.044	
RLV NH3	0.0744	0.0	0.027	
660-61386A1	0.1714	0.0	0.052	
660-61388A1	0.1262	0.0	0.041	
660-61413D1	0.0884	0.0	0.031	
CCV-NH3	0.9697	0.0	0.261	
CCB-NH3	0.0107	0.0	0.011	Test limit low
660-61402A3	2.8500	1.0	0.380	
CCV-NH3	0.9681	0.0	0.260	
CCB-NH3	0.0269	0.0	0.015	Rule 1 violated
LLCS NH3	0.0487	0.0	0.020	
660-61402A1	0.1097	0.0	0.036	
660-61402A1 MS	1.2151	0.0	0.325	
660-61402A1 MSD	1.2737	0.0	0.340	
660-61402A2	1.2606	0.0	0.337	
660-61402A2 DU	1.2806	0.0	0.342	
102782C6	0.0635	0.0	0.024	
102782C7	0.0827	0.0	0.029	
102782C8	0.1049	0.0	0.035	
102782C9	0.0626	0.0	0.024	
CCV-NH3	0.9840	0.0	0.265	
CCB-NH3	0.0081	0.0	0.010	Test limit low
660-61386A1	0.1383	0.0	0.044	
660-61388A1	0.1169	0.0	0.038	
660-61413D1	0.0954	0.0	0.033	
102811A1	0.0422	0.0	0.019	
102811A2	0.1014	0.0	0.034	
580-44284A1	0.0400	0.0	0.018	
580-44284A2	0.0354	0.0	0.017	
580-44284A3	0.0314	0.0	0.016	
MDLV NH3	0.0617	0.0	0.024	
RLV NH3	0.0505	0.0	0.021	
CCV-NH3	0.9736	0.0	0.262	
CCB-NH3	0.0109	0.0	0.011	Test limit low

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Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
102707B1	56.7150	49.0	0.304	
102707B2	310.1010	49.0	1.626	
400-92688B2	4.8882	1.0	0.645	
CCV-NH3	0.9659	0.0	0.260	
CCB-NH3	0.0131	0.0	0.011	Test limit low
MDLV NH3	0.0664	0.0	0.025	
CCV-NH3	0.9626	0.0	0.259	
CCB-NH3	0.0113	0.0	0.011	Test limit low
CCV-NH3	0.9720	0.0	0.261	
CCB-NH3	0.0107	0.0	0.011	Test limit low
MDLV NH3	0.0666	0.0	0.025	
102707B2 200	280.7847	0.0	0.374	
CCV-NH3	0.9370	0.0	0.252	
CCB-NH3	0.0128	0.0	0.011	Test limit low
400-92688B2	8.8069	4.0	0.467	
102707B2 200	266.0741	1.0	0.181	
CCV-NH3	0.9635	0.0	0.259	
CCB-NH3	0.0301	0.0	0.016	Rule 1 violated
400-92688B2	8.7081	4.0	0.462	
CCV-NH3	0.9687	0.0	0.261	
CCB-NH3	0.0145	0.0	0.012	Test limit low
CCV-NH3	0.9916	0.0	0.266	
CCB-NH3	0.0132	0.0	0.011	Test limit low
640-48413K2	0.0910	0.0	0.032	
640-48413K2 MS	1.2191	0.0	0.326	
640-48413K2 MSD	1.1967	0.0	0.320	
640-48413K1	0.1087	0.0	0.036	
640-48413K1 DU	0.1146	0.0	0.038	
660-61477A1	0.0352	0.0	0.017	
580-44284A4	0.0609	0.0	0.024	
580-44284A5	0.1729	0.0	0.053	
640-48403A5	0.0560	0.0	0.022	
640-48413D3	0.0517	0.0	0.021	
CCV-NH3	1.0003	0.0	0.269	
CCB-NH3	0.0203	0.0	0.013	Test limit low
640-48420A1	0.0779	0.0	0.028	
640-48427-E-1	10.3826	0.0	2.717	
640-48427-E-2	0.3325	0.0	0.095	
640-48427H3	10.7188	0.0	2.804	
640-48427G4	12.7517	0.0	3.335	
640-48427H5	0.1716	0.0	0.053	
640-48427H6	10.2746	0.0	2.689	
640-48432A5	0.5227	0.0	0.144	
640-48434A5	0.1790	0.0	0.054	
660-61419A1	0.1299	0.0	0.042	
CCV-NH3	0.9823	0.0	0.264	
CCB-NH3	0.0161	0.0	0.012	Test limit low
660-61454C1	0.1718	0.0	0.053	
660-61477A2	0.4358	0.0	0.121	
660-61479G1 1K	1037.6909	0.0	0.279	
660-61479G1 1K	986.7546	1.0	0.136	
CCV-NH3	0.9995	0.0	0.269	
CCB-NH3	0.0101	0.0	0.010	Test limit low
640-48413K2 MS	1.1890	0.0	0.318	
CCV-NH3	0.9892	0.0	0.266	
CCB-NH3	0.0116	0.0	0.011	Test limit low
CCV-NH3	0.9901	0.0	0.266	
CCB-NH3	0.0120	0.0	0.011	Test limit low
660-61477A1	0.0458	0.0	0.020	
640-48403A5	0.0688	0.0	0.026	
640-48413D3	0.0642	0.0	0.025	
640-48420A1	0.0503	0.0	0.021	

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Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
640-48427-E-2	0.2784	0.0	0.080	
640-48427H5	0.1234	0.0	0.040	
640-48432A5	0.5112	0.0	0.141	
640-48427-E-1	11.6957	9.0	0.313	
640-48427H3	12.2541	9.0	0.327	
640-48427G4	16.6637	9.0	0.443	
CCV-NH3	1.0040	0.0	0.270	
CCB-NH3	0.0178	0.0	0.012	Test limit low
640-48427H6	11.8793	9.0	0.318	
CCV-NH3	1.0026	0.0	0.269	
CCB-NH3	0.0116	0.0	0.011	Test limit low
CCV-NH3	1.0006	0.0	0.269	
CCB-NH3	0.0108	0.0	0.011	Test limit low
660-61477-A-1	0.0292	0.0	0.015	
660-61477-A-1	0.0294	0.0	0.015	
CCV-NH3	0.9837	0.0	0.264	
CCB-NH3	0.0122	0.0	0.011	Test limit low
CCV-NH3	1.0093	0.0	0.271	
CCB-NH3	0.0322	0.0	0.016	Rule 1 violated
102707B3	0.0946	0.0	0.032	
102707B3 MS	1.3872	0.0	0.370	
102707B3 MSD	1.7918	0.0	0.475	
102707B4	38.4018	0.0	10.027	Abs. high
102707B4 DU	38.4027	0.0	10.028	Abs. high
102707B4 100	175.9808	0.0	0.467	
102707B4 DU 100	199.9619	0.0	0.529	
102529A1	38.1574	0.0	9.964	Abs. high
102529A4	38.4149	0.0	10.031	Abs. high
102529A5	1.9069	0.0	0.505	
CCV-NH3	1.0030	0.0	0.269	
CCB-NH3	0.0136	0.0	0.011	Test limit low
102700A3	0.4963	0.0	0.137	
102700A4	0.2927	0.0	0.084	
102762A1	0.2723	0.0	0.079	
102762A2	0.4739	0.0	0.131	
102762A3	0.4773	0.0	0.132	
102762A4	0.3822	0.0	0.107	
102773G1	17.4274	0.0	4.555	
102773G1 100	0.6665	0.0	0.182	
102798-E-5	1.3230	0.0	0.353	
102817I1	0.3571	0.0	0.101	
CCV-NH3	1.0013	0.0	0.269	
CCB-NH3	0.0138	0.0	0.011	Test limit low
102817G2	0.4086	0.0	0.114	
102817G3	0.0554	0.0	0.022	
102817G4	0.0836	0.0	0.030	
102817G5	0.1479	0.0	0.046	
102817G6	0.1053	0.0	0.035	
102817G7	0.1465	0.0	0.046	
102847D1	0.1598	0.0	0.049	
102847D1 MS	1.2689	0.0	0.339	
102847D1 MSD	1.2554	0.0	0.335	
102847D2	1.2091	0.0	0.323	
CCV-NH3	1.0069	0.0	0.270	
CCB-NH3	0.0137	0.0	0.011	Test limit low
102847D2 DU	1.2038	0.0	0.322	
102847D2 100	4.4091	0.0	0.019	
102847D2 DU 100	3.7463	0.0	0.018	
102817G8	2.1863	0.0	0.578	
102817G9	0.8870	0.0	0.239	
102817G10	0.7292	0.0	0.198	
102847D3	2.9440	0.0	0.776	

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Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
102847D3 100	7.1459	0.0	0.026	
102847D4	0.1970	0.0	0.059	
102847D4 100	3.8005	0.0	0.018	
CCV-NH3	1.1144	0.0	0.299	Rule 1 violated
CCB-NH3	0.2480	0.0	0.072	Rule 1 violated
102847D5	0.6826	0.0	0.186	
102847D6	1.8478	0.0	0.490	
102872D1	38.3451	0.0	10.013	Abs. high
102872D1 100	6.7050	0.0	1.757	
102882B2	0.3452	0.0	0.098	
102889B10	2.4833	0.0	0.656	
102889B11	0.1791	0.0	0.054	
102889B12	0.1524	0.0	0.048	
102889B13	3.1990	0.0	0.842	
102889B14	0.1652	0.0	0.051	
CCV-NH3	1.0064	0.0	0.270	
CCB-NH3	0.0153	0.0	0.012	Test limit low
102889B15	0.3147	0.0	0.090	
102889B16	3.1264	0.0	0.823	
102889B17	0.3601	0.0	0.102	
102889B18	0.5662	0.0	0.155	
102707B3	0.0895	0.0	0.031	
102707B3 MS	1.2948	0.0	0.346	
102707B3 MSD	1.3050	0.0	0.348	
102707B4 100	117.9830	0.0	0.316	
102707B4 DU 100	123.5470	0.0	0.330	
102529A5	0.0652	0.0	0.025	
CCV-NH3	0.9677	0.0	0.260	
CCB-NH3	0.0153	0.0	0.012	Test limit low
102762A3	0.4676	0.0	0.130	
102762A4	0.3192	0.0	0.091	
102798-E-5	1.2603	0.0	0.337	
102817I1	0.2874	0.0	0.083	
102817G9	0.9023	0.0	0.243	
102817G10	0.6795	0.0	0.185	
102847D4	0.2074	0.0	0.062	
102847D1 MS	1.3031	0.0	0.348	
102773G1	46.7669	19.0	0.618	
102817G8	2.0800	1.0	0.279	
CCV-NH3	1.0053	0.0	0.270	
CCB-NH3	0.0162	0.0	0.012	Test limit low
102847D3	2.8437	1.0	0.379	
102529A1	869.7242	99.0	2.277	
CCV-NH3	0.9723	0.0	0.261	
CCB-NH3	0.0133	0.0	0.011	Test limit low
102529A4	338.7984	99.0	0.892	
102529A5	2.1117	99.0	0.013	
CCV-NH3	1.0107	0.0	0.271	
CCB-NH3	0.0168	0.0	0.012	Test limit low
102847D2 DU	1.2466	0.0	0.333	
102847D5	0.1000	0.0	0.034	
102847D6	0.0743	0.0	0.027	
102882B2	0.2425	0.0	0.071	
102889B11	0.1802	0.0	0.055	
102889B12	0.1629	0.0	0.050	
102889B14	0.1706	0.0	0.052	
102889B15	0.3370	0.0	0.096	
102889B17	0.3945	0.0	0.111	
102529A1 1K	799.4197	0.0	0.216	
CCV-NH3	1.0072	0.0	0.271	
CCB-NH3	0.0142	0.0	0.011	Test limit low
102529A4 200	254.6045	0.0	0.340	

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Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
102773G1	52.4711	49.0	0.282	
102872D1	602.4722	49.0	3.152	
102889B10	2.4985	1.0	0.334	
102889B13	3.0480	1.0	0.405	
102889B16	2.9866	1.0	0.397	
CCV-NH3	1.0125	0.0	0.272	
CCB-NH3	0.0113	0.0	0.011	Test limit low
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
CCB-NH3	0.0111	0.0	0.011	Test limit low
CCB-NH3	0.0101	0.0	0.010	Test limit low
CCV-NH3	1.0141	0.0	0.272	
CCV-NH3	1.0116	0.0	0.272	
102889B26 MS	1.5756	0.0	0.419	
102889B26 MSD	1.5633	0.0	0.416	
102889B27	0.1611	0.0	0.050	
102889B27 DU	0.1555	0.0	0.048	
102889B19	0.0972	0.0	0.033	
102889B20	2.7504	0.0	0.725	
102889B21	0.5892	0.0	0.161	
102889B22	0.5945	0.0	0.163	
102889B23	0.2138	0.0	0.064	
102889B24	3.5835	0.0	0.943	
CCV-NH3	1.0211	0.0	0.274	
CCB-NH3	0.0144	0.0	0.012	Test limit low
102889B25	0.7352	0.0	0.200	
102889B28	0.2853	0.0	0.082	
102889B29	0.0980	0.0	0.033	
102889B30	0.1272	0.0	0.041	
102889B31	0.1038	0.0	0.035	
102889B32	0.4028	0.0	0.113	
102889B33	0.1249	0.0	0.040	
102889B34	0.7304	0.0	0.198	
102889B26	0.3780	0.0	0.106	
102889B35	0.3148	0.0	0.090	
CCV-NH3	1.0031	0.0	0.269	
CCB-NH3	0.0169	0.0	0.012	Test limit low
102889B36	1.4134	0.0	0.377	
102889B37	1.1585	0.0	0.310	
102889B38	3.6031	0.0	0.948	
102900D1	0.0990	0.0	0.034	
102900D1 MS	1.3234	0.0	0.353	
102900D1 MSD	1.3154	0.0	0.351	
102900D2	0.1210	0.0	0.039	
102900D2 DU	0.1231	0.0	0.040	
102889B39	3.2717	0.0	0.861	
102889B40	0.3864	0.0	0.109	
CCV-NH3	1.0222	0.0	0.274	
CCB-NH3	0.0138	0.0	0.011	Test limit low
102889B41	0.8713	0.0	0.235	
102889B42	0.5252	0.0	0.145	
102889B43	0.2076	0.0	0.062	
102889B44	0.1737	0.0	0.053	
102900D3	0.0880	0.0	0.031	
102916K1	0.5708	0.0	0.157	
102932H2	0.2550	0.0	0.074	
102940D1	0.1365	0.0	0.043	
102968C1	2.2056	0.0	0.583	
102940D2	0.1243	0.0	0.040	
CCV-NH3	1.0282	0.0	0.276	

TestAmerica Savannah
Konelab 2

08.07.2014 09:19

Test: Ammonia

Sample Id	Result	Dil. 1 +	Response	Errors
CCB-NH3	0.0107	0.0	0.011	Test limit low
102940D3	0.0949	0.0	0.033	
102940D4	0.0953	0.0	0.033	
102940D5	0.0715	0.0	0.026	
102978A1	8.1241	9.0	0.220	
102978A1	7.5687	4.0	0.403	
102978A1	8.6620	19.0	0.121	
102978A1	6.5963	1.0	0.868	
102978A2	6.8823	4.0	0.367	
102872D1 100	697.8146	4.0	0.372	
102978A2	7.1800	9.0	0.195	
CCV-NH3	1.0031	0.0	0.269	
CCB-NH3	0.0133	0.0	0.011	Test limit low
102978A2	7.6046	19.0	0.107	
102978A2	6.0087	1.0	0.792	
102978A3	7.8991	4.0	0.420	
102978A3	8.4397	9.0	0.228	
102978A3	8.8321	19.0	0.123	
102978A3	7.2906	1.0	0.959	
CCV-NH3	0.9919	0.0	0.267	
CCB-NH3	0.0138	0.0	0.011	Test limit low
CCV-NH3	1.0430	0.0	0.280	
CCB-NH3	0.0128	0.0	0.011	Test limit low
102889B19	0.1881	0.0	0.057	
102889B21	0.7266	0.0	0.197	
102889B23	0.2932	0.0	0.084	
102889B25	0.8124	0.0	0.220	
102889B37	1.2036	0.0	0.322	
102900D1	0.1786	0.0	0.054	
102900D1 MS	1.5418	0.0	0.410	
102900D1 MSD	1.5111	0.0	0.402	
102889B40	0.4496	0.0	0.125	
102940D1	0.2398	0.0	0.070	
CCV-NH3	1.0363	0.0	0.278	
CCB-NH3	0.0129	0.0	0.011	Test limit low
102940D2	0.1643	0.0	0.051	
102968C1	2.8705	1.0	0.382	
102889B20	2.7157	1.0	0.362	
102889B24	3.8202	1.0	0.506	
102889B38	3.8442	1.0	0.509	
102889B39	3.3165	1.0	0.440	
CCV-NH3	1.0297	0.0	0.276	
CCB-NH3	0.0114	0.0	0.011	Test limit low

N	257
Mean	30.6209
SD	134.05620
CV%	437.79

TestAmerica Savannah
Konelab 2

01.04.2014 15:07

Test: Phosphate

Sample Id	Result	Dil. 1 +	Response	Errors
ICB	-0.013	0.0	0.001	Test limit low, Blank res
PO4-ICV	1.071	0.0	0.471	Blank resp. low
ICB	0.008	0.0	0.003	Test limit low, Blank res
PO4-ICV	1.064	0.0	0.492	Blank resp. low

N	0
Mean	0.000
SD	0.0000
CV%	0.00

TestAmerica Savannah
Konelab 2

01.04.2014 15:09

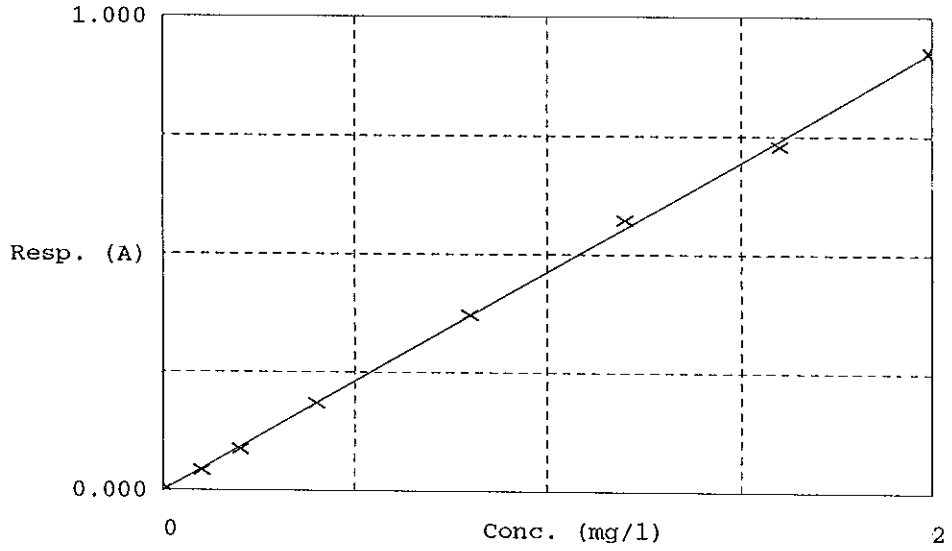
Test Phosphate

Accepted 01.04.2014 15:07

Factor 2.157
Bias -0.001

Coeff. of det. 0.999404

Errors Meas. error,QC rule violated



	Calibrator	Response	Calc. con.	Conc.	Errors
1	Blank	0.000	0.0021	0.0000	Blank resp. low
2	PO41	0.043	0.0937	0.1000	Blank resp. low
3	PO42	0.087	0.1904	0.2000	Blank resp. low
4	PO43	0.185	0.4005	0.4000	Blank resp. low
5	PO44	0.372	0.8036	0.8000	Blank resp. low
6	PO45	0.573	1.2382	1.2000	Blank resp. low
7	PO46	0.729	1.5735	1.6000	Blank resp. low
8	PO47	0.925	1.9980	2.0000	Blank resp. low
9	ICB(control)	0.003	0.0085	0.0000	Test limit low, Blank r
10	PO4-ICV(control	0.492	1.0639	1.0000	Blank resp. low

TestAmerica Savannah
Konelab 2

Date : 2014-06-27
Time : 16.39

Test Phosphate
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
PO4-CCV	1.136		2014-06-27 14.50	
CCB	0.006		2014-06-27 14.50	
LLCS	0.043		2014-06-27 14.50	
102773-E-1	0.017		2014-06-27 14.50	
102773-E-1 MS	0.961		2014-06-27 14.50	
102773-E-1 MSD	0.956		2014-06-27 14.50	
PO4-CCV	1.141		2014-06-27 14.57	
CCB	0.009		2014-06-27 14.57	

TestAmerica Savannah
Konelab 2

27.06.2014 16:39

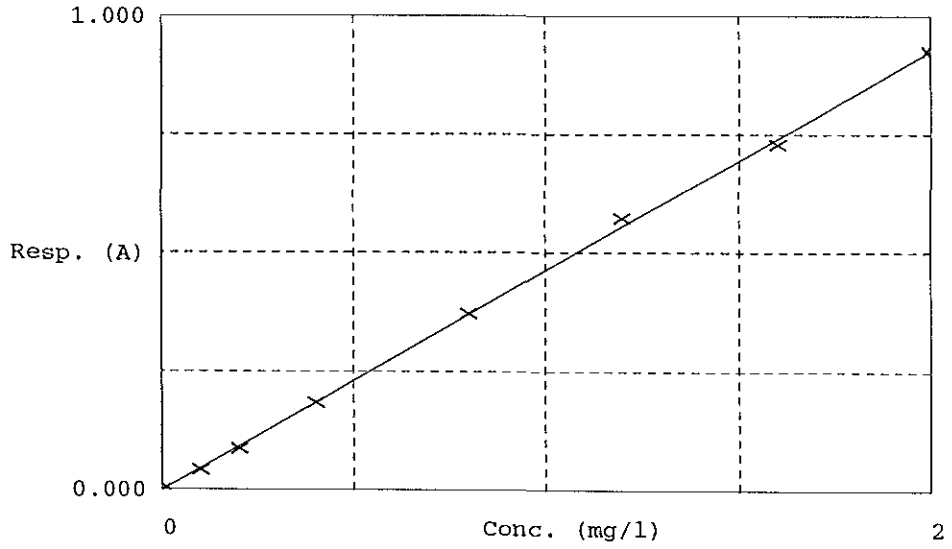
Test Phosphate

Accepted 01.04.2014 15:07

Factor 2.157
Bias -0.001

Coeff. of det. 0.999404

Errors Meas. error



	Calibrator	Response	Calc. con.	Conc.	Errors
1	Blank	0.000	0.0021	0.0000	Blank resp. low
2	PO41	0.043	0.0937	0.1000	Blank resp. low
3	PO42	0.087	0.1904	0.2000	Blank resp. low
4	PO43	0.185	0.4005	0.4000	Blank resp. low
5	PO44	0.372	0.8036	0.8000	Blank resp. low
6	PO45	0.573	1.2382	1.2000	Blank resp. low
7	PO46	0.729	1.5735	1.6000	Blank resp. low
8	PO47	0.925	1.9980	2.0000	Blank resp. low

TestAmerica Savannah
Konelab 2

27.06.2014 16:39

Test: Phosphate

Sample Id	Result	Dil. 1 +	Response	Errors
PO4-CCV	1.136	0.0	0.526	
CCB	0.006	0.0	0.002	Test limit low
LLCS	0.043	0.0	0.019	
102773-E-1	0.017	0.0	0.007	
102773-E-1 MS	0.961	0.0	0.445	
102773-E-1 MSD	0.956	0.0	0.443	
PO4-CCV	1.141	0.0	0.528	
CCB	0.009	0.0	0.003	Test limit low

N	4
Mean	0.494
SD	0.5363
CV%	108.49

PC-TitratION PLUS

Water Analysis Report

Run Number 6927 **Order Number** 20140701-4

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	7/1/2014	2:11 PM	266.00	.00	0.0038	7.75	.00	91.20	90.70	.48	.03	-1.00	23.84	-1.00	3.25	-1.00	0.000	2.280	2.349
DI	7/1/2014	2:17 PM	.00	.00	-0.5848	5.79	.00	.30	.30	.00	.00	-1.00	24.09	-1.00	.98	-1.00	0.000	0.038	0.069
ph icv	7/1/2014	2:21 PM	-1.00	-1.00	-1.0000	7.01	-1.00	-1.00	-1.00	.00	.01	-1.00	24.07	-1.00	-.20	-1.00	-1.000	-1.000	-1.000
di	7/1/2014	2:27 PM	1.38	.00	0.7246	6.16	.00	.78	.78	.00	.00	-1.00	24.17	-1.00	1.07	-1.00	0.000	0.052	0.085
3652002	7/1/2014	2:33 PM	.00	.00	-0.7092	5.64	.00	.24	.24	.00	.00	-1.00	24.22	-1.00	1.12	-1.00	0.000	0.035	0.063
lcs	7/1/2014	2:40 PM	587.00	.00	0.0017	10.47	123.21	250.54	62.62	173.21	14.71	-1.00	23.92	-1.00	.00	-1.00	3.080	6.264	6.330
3652003	7/1/2014	2:46 PM	246.00	.00	0.0041	7.25	.00	54.17	54.07	.09	.01	-1.00	23.89	-1.00	6.08	-1.00	0.000	1.354	1.394
280-56988-D-4	7/1/2014	2:53 PM	255.00	.00	0.0039	7.66	.00	43.96	43.75	.19	.02	-1.00	23.81	-1.00	1.92	-1.00	0.000	1.099	1.142
680-102620-A-10	7/1/2014	3:02 PM	1,345.00	.00	0.0007	11.42	257.03	275.86	5.72	139.97	130.17	-1.00	23.75	-1.00	.00	-1.00	6.426	6.896	6.962
680-102620-A-7	7/1/2014	3:09 PM	505.00	.00	0.0020	6.72	.00	75.62	75.58	.04	.00	-1.00	23.73	-1.00	28.73	-1.00	0.000	1.890	1.952
680-102620-A-1	7/1/2014	3:15 PM	455.00	.00	0.0022	6.95	.00	58.23	58.18	.05	.00	-1.00	23.73	-1.00	13.20	-1.00	0.000	1.456	1.505
680-102620-A-6	7/1/2014	3:23 PM	488.00	.00	0.0020	7.06	.00	77.14	77.05	.08	.01	-1.00	23.73	-1.00	13.57	-1.00	0.000	1.929	1.974
680-102620-A-4	7/1/2014	3:29 PM	441.00	.00	0.0023	7.21	.00	66.01	65.90	.10	.01	-1.00	23.73	-1.00	8.15	-1.00	0.000	1.650	1.700
680-102620-A-4	7/1/2014	3:35 PM	439.00	.00	0.0023	7.20	.00	70.29	70.18	.11	.01	-1.00	23.68	-1.00	8.80	-1.00	0.000	1.757	1.811
CCVph	7/1/2014	3:39 PM	-1.00	-1.00	-1.0000	7.02	-1.00	-1.00	-1.00	.00	.01	-1.00	23.92	-1.00	-.19	-1.00	-1.000	-1.000	-1.000
680-102620-A-5	7/1/2014	3:45 PM	464.00	.00	0.0022	6.62	.00	55.66	55.63	.02	.00	-1.00	23.80	-1.00	26.60	-1.00	0.000	1.391	1.444
680-102620-A-2	7/1/2014	3:51 PM	525.00	.00	0.0019	7.24	.00	73.15	73.02	.12	.01	-1.00	23.67	-1.00	8.44	-1.00	0.000	1.829	1.882
680-102620-A-9	7/1/2014	3:57 PM	478.00	.00	0.0021	6.89	.00	76.03	75.97	.06	.00	-1.00	23.56	-1.00	19.42	-1.00	0.000	1.901	1.956
680-102620-A-3	7/1/2014	4:03 PM	438.00	.00	0.0023	6.76	.00	52.51	52.48	.03	.00	-1.00	23.43	-1.00	18.40	-1.00	0.000	1.313	1.366
680-102620-A-8	7/1/2014	4:10 PM	379.00	.00	0.0026	7.41	.00	78.50	78.30	.19	.01	-1.00	23.39	-1.00	6.08	-1.00	0.000	1.962	2.017
280-56988-A-1	7/1/2014	4:17 PM	237.00	.00	0.0042	7.70	.00	41.09	40.87	.19	.02	-1.00	23.38	-1.00	1.65	-1.00	0.000	1.027	1.067
280-56988-A-5	7/1/2014	4:23 PM	228.00	.00	0.0044	7.70	.00	37.24	37.04	.17	.03	-1.00	23.36	-1.00	1.48	-1.00	0.000	0.931	0.969
280-56988-A-3	7/1/2014	4:30 PM	238.00	.00	0.0042	7.86	.00	37.81	37.52	.25	.04	-1.00	23.31	-1.00	1.04	-1.00	0.000	0.945	0.984
280-56988-A-2	7/1/2014	4:37 PM	239.00	.00	0.0042	7.66	.00	40.91	40.72	.18	.02	-1.00	23.57	-1.00	1.77	-1.00	0.000	1.023	1.061
280-56988-A-2du	7/1/2014	4:44 PM	237.00	.00	0.0042	7.71	.00	41.48	41.25	.20	.03	-1.00	23.43	-1.00	1.59	-1.00	0.000	1.037	1.077
CCVph	7/1/2014	4:47 PM	-1.00	-1.00	-1.0000	7.02	-1.00	-1.00	-1.00	.00	.01	-1.00	23.30	-1.00	-.19	-1.00	-1.000	-1.000	-1.000
680-102624-C-2	7/1/2014	4:54 PM	428.00	.00	0.0023	8.00	.00	133.78	132.50	1.23	.05	-1.00	23.17	-1.00	2.68	-1.00	0.000	3.345	3.407

PC-TitratION PLUS by Man-Tech Associates, Inc.
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Run Number 6927 **Order Number** 20140701-4

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)
680-102624-C-3	7/1/2014	5:01 PM	33.60	.00	0.0298	7.00	.00	10.12	10.11	.01	.00	-1.00	23.01	-1.00	2.02	-1.00	0.000	0.286	0.319
680-102624-C-1	7/1/2014	5:09 PM	465.00	.00	0.0022	8.14	.00	165.71	163.51	2.13	.07	-1.00	23.01	-1.00	2.36	-1.00	0.000	4.143	4.193
680-102581-F-7	7/1/2014	5:15 PM	139.60	.00	0.0072	7.36	.00	38.51	38.42	.08	.01	-1.00	22.96	-1.00	3.38	-1.00	0.000	0.963	1.001
CCVph	7/1/2014	5:19 PM	-1.00	-1.00	-1.0000	7.01	-1.00	-1.00	-1.00	.00	.01	-1.00	23.04	-1.00	-.20	-1.00	-1.000	-1.000	-1.000
LCSD	7/1/2014	5:26 PM	563.00	.00	0.0018	10.38	109.23	227.76	65.87	149.79	12.10	-1.00	23.03	-1.00	.01	-1.00	2.731	5.694	5.753
ph icv	7/1/2014	5:30 PM	-1.00	-1.00	-1.0000	7.01	-1.00	-1.00	-1.00	.00	.01	-1.00	23.36	-1.00	-.20	-1.00	-1.000	-1.000	-1.000
mb	7/1/2014	5:36 PM	.00	.00	-4.3478	6.25	.00	.75	.75	.00	.00	-1.00	23.22	-1.00	.85	-1.00	0.000	0.051	0.084
di	7/1/2014	5:42 PM	.00	.00	-0.9009	5.70	.00	.19	.19	.00	.00	-1.00	23.17	-1.00	.75	-1.00	0.000	0.035	0.064
lcs	7/1/2014	5:49 PM	579.00	.00	0.0017	10.40	115.96	244.57	68.76	163.19	12.62	-1.00	23.03	-1.00	.01	-1.00	2.899	6.114	6.179
660-61363-J-7	7/1/2014	5:56 PM	435.00	.00	0.0023	6.92	.00	157.50	157.38	.12	.00	-1.00	23.03	-1.00	37.64	-1.00	0.000	3.938	4.019
660-61363-J-9	7/1/2014	6:05 PM	942.00	.00	0.0011	7.29	.00	422.17	421.38	.78	.01	-1.00	22.96	-1.00	42.95	-1.00	0.000	10.554	10.673
660-61363-J-2	7/1/2014	6:12 PM	569.00	.00	0.0018	7.26	.00	278.12	277.64	.47	.01	-1.00	22.95	-1.00	30.70	-1.00	0.000	6.953	7.056
660-61363-J-3	7/1/2014	6:20 PM	886.00	.00	0.0011	7.06	.00	368.70	368.30	.40	.01	-1.00	23.19	-1.00	64.20	-1.00	0.000	9.217	9.396
660-61363-J-1	7/1/2014	6:26 PM	324.00	.00	0.0031	6.67	.00	136.77	136.70	.06	.00	-1.00	23.25	-1.00	58.08	-1.00	0.000	3.419	3.529
660-61363-J-4	7/1/2014	6:33 PM	430.00	.00	0.0023	6.90	.00	178.32	178.19	.13	.00	-1.00	23.07	-1.00	45.13	-1.00	0.000	4.458	4.548
660-61363-J-5	7/1/2014	6:40 PM	320.00	.00	0.0031	7.14	.00	111.38	111.23	.15	.01	-1.00	22.96	-1.00	16.01	-1.00	0.000	2.785	2.846
660-61363-J-5du	7/1/2014	6:46 PM	320.00	.00	0.0031	7.09	.00	119.11	118.96	.14	.01	-1.00	22.87	-1.00	19.30	-1.00	0.000	2.978	3.042
ccvph	7/1/2014	6:50 PM	-1.00	-1.00	-1.0000	7.02	-1.00	-1.00	-1.00	.00	.01	-1.00	22.80	-1.00	-.19	-1.00	-1.000	-1.000	-1.000
660-61363-J-8	7/1/2014	6:56 PM	305.00	.00	0.0033	6.85	.00	110.82	110.74	.07	.00	-1.00	22.70	-1.00	31.04	-1.00	0.000	2.770	2.833
660-61363-J-12	7/1/2014	7:02 PM	416.00	.00	0.0024	7.17	.00	191.98	191.71	.27	.01	-1.00	22.75	-1.00	25.67	-1.00	0.000	4.800	4.895
660-61363-J-6	7/1/2014	7:09 PM	368.00	.00	0.0027	7.31	.00	168.64	168.30	.32	.01	-1.00	22.75	-1.00	16.42	-1.00	0.000	4.216	4.290
640-48331-G-1	7/1/2014	7:16 PM	40.20	.00	0.0249	5.98	.00	2.89	2.88	.00	.00	-1.00	22.80	-1.00	6.06	-1.00	0.000	0.118	0.163
660-61363-J-15	7/1/2014	7:25 PM	600.00	.00	0.0017	7.45	.00	423.44	422.31	1.12	.01	-1.00	22.80	-1.00	29.88	-1.00	0.000	10.586	10.706
660-61363-J-13	7/1/2014	7:32 PM	396.00	.00	0.0025	7.06	.00	198.01	197.80	.21	.01	-1.00	23.09	-1.00	34.48	-1.00	0.000	4.950	5.046
660-61363-J-14	7/1/2014	7:39 PM	594.00	.00	0.0017	7.44	.00	377.74	376.76	.97	.01	-1.00	23.07	-1.00	27.60	-1.00	0.000	9.443	9.572
680-102773-J-1	7/1/2014	7:47 PM	4,450.00	.00	0.0002	6.34	.00	226.86	226.81	.05	.00	-1.00	22.95	-1.00	207.63	-1.00	0.000	5.671	5.777
680-102815-D-2	7/1/2014	7:54 PM	130.60	.00	0.0077	7.78	.00	21.24	21.09	.12	.03	-1.00	22.98	-1.00	.70	-1.00	0.000	0.531	0.573
680-102815-D-2 DU	7/1/2014	8:01 PM	125.40	.00	0.0080	7.61	.00	24.14	24.03	.09	.02	-1.00	22.89	-1.00	1.18	-1.00	0.000	0.603	0.641
ccvph	7/1/2014	8:05 PM	-1.00	-1.00	-1.0000	7.03	-1.00	-1.00	-1.00	.00	.01	-1.00	22.89	-1.00	-.19	-1.00	-1.000	-1.000	-1.000
680-102815-D-1	7/1/2014	8:12 PM	123.50	.00	0.0081	7.53	.00	24.14	24.04	.08	.02	-1.00	22.86	-1.00	1.41	-1.00	0.000	0.603	0.640

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Run Number 6927 **Order Number** 20140701-4

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)
680-102815-D-3	7/1/2014	8:19 PM	146.70	.00	0.0068	7.58	.00	26.08	25.97	.09	.02	-1.00	22.86	-1.00	1.36	-1.00	0.000	0.652	0.690
660-61363-J-11	7/1/2014	8:26 PM	555.00	.00	0.0018	7.49	.00	349.84	348.82	1.01	.02	-1.00	22.80	-1.00	22.64	-1.00	0.000	8.746	8.869
660-61363-J-10	7/1/2014	8:33 PM	395.00	.00	0.0025	7.19	.00	170.48	170.22	.25	.01	-1.00	23.01	-1.00	21.95	-1.00	0.000	4.262	4.349
ccvph	7/1/2014	8:36 PM	-1.00	-1.00	-1.0000	7.02	-1.00	-1.00	-1.00	.00	.01	-1.00	22.96	-1.00	-.19	-1.00	-1.000	-1.000	-1.000
lcsd	7/1/2014	8:45 PM	557.00	.00	0.0018	10.36	118.12	261.68	79.29	170.93	11.47	-1.00	22.86	-1.00	.01	-1.00	2.953	6.542	6.602

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PC-TitratION PLUS
Calibration Report

Calibration Record # 2254

Calibration Settings

Calibration ID	PH CAL 4-7-10	Date	7/1/2014	
Channel	1	Time	11:28 AM	
Probe Type	pH	Temperature	295.98 K	22.83 C
Probe ID	PH ELECTRODE	Analysis Type	Single Line Fit	

Calibration Results

Slope	-58.612	CorrCoeff	0.9999
Intercept	10.943	Equation: Y = (-58.612) X + (10.943)	

Calibration Validity **True** Operator

	Result	Minimum	Maximum
Slope	-58.612	-65.00	-53.00
Intercept	10.943	-100.00	100.00
Correlation Coefficient	0.9999	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	187.98
	7.00	8.54
	10.00	-163.69

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PC-TitratION PLUS

Water Analysis Report

Run Number 6924 **Order Number** 20140701-1

SampleID	RunDate	RunTime	cond (uS)	Salinity	Resistivity
TAP	7/1/2014	9:17 AM	258.00	.00	0.0039
DI RINSE	7/1/2014	9:21 AM	.00	.00	-0.8850
5.0 RL STD	7/1/2014	9:23 AM	6.94	.00	0.1441
CAL CHECK 1413	7/1/2014	9:24 AM	1,408.00	.00	0.0007
DI RINSE	7/1/2014	9:26 AM	.00	.00	-0.6667
MB	7/1/2014	9:27 AM	.00	.00	-0.5682
LCS	7/1/2014	9:29 AM	1,071.00	.00	0.0009
680-102702-A-1	7/1/2014	9:30 AM	430.00	.00	0.0023
680-102702-A-2	7/1/2014	9:32 AM	430.00	.00	0.0023
680-102702-A-3	7/1/2014	9:34 AM	434.00	.00	0.0023
680-102702-A-4	7/1/2014	9:35 AM	432.00	.00	0.0023
680-102702-A-9	7/1/2014	9:37 AM	432.00	.00	0.0023
680-102702-A-10	7/1/2014	9:38 AM	431.00	.00	0.0023
680-102702-A-11	7/1/2014	9:40 AM	432.00	.00	0.0023
680-102702-A-12	7/1/2014	9:41 AM	424.00	.00	0.0024
680-102834-A-1	7/1/2014	9:43 AM	273.00	.00	0.0037
680-102834-A-1du	7/1/2014	9:45 AM	270.00	.00	0.0037
CCV	7/1/2014	9:46 AM	1,058.00	.00	0.0009
CCB	7/1/2014	9:48 AM	.00	.00	-0.6757
680-102702-A-13	7/1/2014	9:49 AM	417.00	.00	0.0024
680-102776-B-1	7/1/2014	9:51 AM	5,000.00	.00	0.0002
680-102776-B-1du	7/1/2014	9:52 AM	5,420.00	.00	0.0002
CCV	7/1/2014	9:54 AM	1,103.00	.00	0.0009
CCB	7/1/2014	9:55 AM	.00	.00	-1.5385
680-102707-A-3	7/1/2014	9:57 AM	565.00	.00	0.0018
680-102707-A-4	7/1/2014	9:59 AM	5,640.00	.00	0.0002
680-102707-A-2	7/1/2014	10:00 AM	5,320.00	.00	0.0002

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Run Number 6924 **Order Number** 20140701-1

SampleID	RunDate	RunTime	cond (uS)	Salinity	Resistivity
680-102707-A-1	7/1/2014	10:02 AM	3,740.00	.00	0.0003
680-102717-C-1	7/1/2014	10:03 AM	405.00	.00	0.0025
680-102815-D-10	7/1/2014	10:05 AM	129.40	.00	0.0077
680-102815-D-5	7/1/2014	10:06 AM	114.80	.00	0.0087
680-102815-D-6	7/1/2014	10:08 AM	124.80	.00	0.0080
680-102815-D-8	7/1/2014	10:10 AM	130.50	.00	0.0077
680-102815-D-7	7/1/2014	10:11 AM	124.80	.00	0.0080
680-102815-D-2	7/1/2014	10:13 AM	123.80	.00	0.0081
680-102815-D-1	7/1/2014	10:14 AM	119.60	.00	0.0084
680-102815-D-3	7/1/2014	10:16 AM	145.80	.00	0.0069
680-102815-D-4	7/1/2014	10:17 AM	135.00	.00	0.0074
660-61363-J-15	7/1/2014	10:19 AM	620.00	.00	0.0016
660-61363-J-13	7/1/2014	10:21 AM	401.00	.00	0.0025
660-61363-J-14	7/1/2014	10:22 AM	909.00	.00	0.0011
640-48369-B-1	7/1/2014	10:24 AM	2,420.00	.00	0.0004

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GENERAL RESULTS REPORT.SRW

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	Sample Name	Sample ID	Dilution	Result	Status	Date / Time	Vial
1	CCV		1.000	NPOC:48.62mg/L	Completed	7/8/2014 4:04:22 PM	1
2	CCB		1.000	NPOC:0.2242mg/L	Completed	7/8/2014 4:22:53 PM	2
3	BICARB		1.000	NPOC:0.2181mg/L	Completed	7/8/2014 4:41:19 PM	3
4	RLV		1.000	NPOC:0.6268mg/L	Completed	7/8/2014 4:59:43 PM	4
5	MB	415.1	1.000	NPOC:-0.4085mg/L	Completed	7/8/2014 5:18:08 PM	5
6	LCS		1.000	NPOC:19.46mg/L	Completed	7/8/2014 5:32:26 PM	6
7	660-61466-A-1		1.000	NPOC:-0.2816mg/L	Completed	7/8/2014 5:48:55 PM	7
8	660-61466-A-1 MS		1.000	NPOC:19.06mg/L	Completed	7/8/2014 6:05:21 PM	8
9	660-61466-A-1 MSD		1.000	NPOC:19.37mg/L	Completed	7/8/2014 6:16:12 PM	8
10	660-61482-F-1		1.000	NPOC:1.872mg/L	Completed	7/8/2014 6:32:37 PM	9
11	660-61482-G-2		1.000	NPOC:2.409mg/L	Completed	7/8/2014 6:47:01 PM	10
12	660-61482-H-3		1.000	NPOC:2.226mg/L	Completed	7/8/2014 7:01:23 PM	11
13	CCV		1.000	NPOC:48.33mg/L	Completed	7/8/2014 7:16:15 PM	1
14	CCB		1.000	NPOC:-0.3757mg/L	Completed	7/8/2014 7:34:46 PM	2
15	660-61482-F-4		1.000	NPOC:1.787mg/L	Completed	7/8/2014 7:53:15 PM	12
16	660-61482-F-4 DU		1.000	NPOC:1.777mg/L	Completed	7/8/2014 8:08:08 PM	12
17	660-61482-F-5		1.000	NPOC:2.472mg/L	Completed	7/8/2014 8:24:28 PM	13
18	660-61497-A-1	pH, plastic	1.000	NPOC:-0.3712mg/L	Completed	7/8/2014 8:40:55 PM	14
19	680-102769-I-1		1.000	NPOC:0.2362mg/L	Completed	7/8/2014 8:59:24 PM	15
20	680-102769-G-3		1.000	NPOC:-0.07494mg/L	Completed	7/8/2014 9:17:47 PM	16
21	680-102769-I-4		1.000	NPOC:0.2380mg/L	Completed	7/8/2014 9:36:10 PM	17
22	680-102769-H-5		1.000	NPOC:1.458mg/L	Completed	7/8/2014 9:52:30 PM	18
23	680-102769-H-7		1.000	NPOC:-0.1803mg/L	Completed	7/8/2014 10:08:55 PM	19
24	680-102769-I-8		1.000	NPOC:0.6721mg/L	Completed	7/8/2014 10:25:21 PM	20
25	CCV		1.000	NPOC:48.62mg/L	Completed	7/8/2014 10:40:01 PM	21
26	CCB		1.000	NPOC:-0.3586mg/L	Completed	7/8/2014 10:56:28 PM	22
27	680-102773-B-1		1.000	NPOC:4.419mg/L	Completed	7/8/2014 11:12:52 PM	23
28	680-102817-L-1		1.000	NPOC:11.74mg/L	Completed	7/8/2014 11:29:17 PM	24
29	680-102817-L-2		1.000	NPOC:6.562mg/L	Completed	7/8/2014 11:45:43 PM	25
30	680-102817-L-3		1.000	NPOC:16.87mg/L	Completed	7/9/2014 12:02:07 AM	26
31	680-102817-L-4		1.000	NPOC:7.652mg/L	Completed	7/9/2014 12:16:29 AM	27
32	680-102817-L-5	pH	1.000	NPOC:7.718mg/L	Completed	7/9/2014 12:32:56 AM	28
33	680-102817-L-6		1.000	NPOC:7.612mg/L	Completed	7/9/2014 12:47:19 AM	29
34	CCV		1.000	NPOC:48.67mg/L	Completed	7/9/2014 1:02:01 AM	21
35	CCB		1.000	NPOC:-0.3012mg/L	Completed	7/9/2014 1:18:29 AM	22
36	MB	415.1	1.000	NPOC:-0.3741mg/L	Completed	7/9/2014 1:35:01 AM	5
37	LCS		1.000	NPOC:19.24mg/L	Completed	7/9/2014 1:49:25 AM	6
38	LCSD		1.000	NPOC:19.35mg/L	Completed	7/9/2014 2:00:17 AM	6
39	680-102817-L-7		1.000	NPOC:7.656mg/L	Completed	7/9/2014 2:16:56 AM	30
40	680-102817-L-7 MS		1.000	NPOC:27.23mg/L	Completed	7/9/2014 2:31:19 AM	31
41	680-102817-L-7 MSD		1.000	NPOC:27.33mg/L	Completed	7/9/2014 2:42:11 AM	31
42	680-102817-L-8		1.000	NPOC:16.05mg/L	Completed	7/9/2014 2:56:35 AM	32
43	680-102817-L-9		1.000	NPOC:14.48mg/L	Completed	7/9/2014 3:11:00 AM	33
44	680-102817-L-10		1.000	NPOC:25.67mg/L	Completed	7/9/2014 3:25:25 AM	34
45	680-102906-C-31		1.000	NPOC:5.778mg/L	Completed	7/9/2014 3:43:55 AM	35
46	680-102587-D-2		1.000	NPOC:1.067mg/L	Completed	7/9/2014 3:58:13 AM	36
47	680-102587-C-3		1.000	NPOC:3.782mg/L	Completed	7/9/2014 4:14:40 AM	37
48	680-102587-C-4		1.000	NPOC:4.759mg/L	Completed	7/9/2014 4:31:06 AM	38
49	CCV		1.000	NPOC:49.29mg/L	Completed	7/9/2014 4:45:38 AM	39
50	CCB		1.000	NPOC:-0.4099mg/L	Completed	7/9/2014 5:02:06 AM	40
51	680-102587-C-5		1.000	NPOC:1.076mg/L	Completed	7/9/2014 5:18:32 AM	41
52	680-102587-C-5 DU		1.000	NPOC:1.054mg/L	Completed	7/9/2014 5:31:27 AM	41
53	680-102587-B-6		1.000	NPOC:0.1524mg/L	Completed	7/9/2014 5:47:52 AM	42
54	680-102587-C-7		1.000	NPOC:1.778mg/L	Completed	7/9/2014 6:06:21 AM	43
55	680-102587-B-8		1.000	NPOC:2.120mg/L	Completed	7/9/2014 6:22:42 AM	44
56	680-102587-C-9		1.000	NPOC:0.9916mg/L	Completed	7/9/2014 6:39:09 AM	45
57	680-102587-C-11		1.000	NPOC:0.6883mg/L	Completed	7/9/2014 6:55:34 AM	46
58	680-102587-C-22		1.000	NPOC:1.084mg/L	Completed	7/9/2014 7:12:03 AM	47
59	680-102587-C-23		1.000	NPOC:2.582mg/L	Completed	7/9/2014 7:28:30 AM	48
60	680-102587-B-24	X10 (A)	1.000	NPOC:94.56mg/L	Completed	7/9/2014 7:43:36 AM	49
61	CCV		1.000	NPOC:49.40mg/L	Completed	7/9/2014 7:58:20 AM	39
62	CCB		1.000	NPOC:-0.3911mg/L	Completed	7/9/2014 8:14:49 AM	40
63	680-102587-C-25		1.000	NPOC:0.3274mg/L	Completed	7/9/2014 8:33:26 AM	50
64	680-102587-B-26		1.000	NPOC:6.220mg/L	Completed	7/9/2014 8:49:48 AM	51
65	680-102587-B-30		1.000	NPOC:0.7336mg/L	Completed	7/9/2014 9:06:17 AM	52
66	CCV		1.000	NPOC:49.38mg/L	Completed	7/9/2014 9:20:48 AM	53
67	CCB		1.000	NPOC:-0.3407mg/L	Completed	7/9/2014 9:37:17 AM	54
68	MB	415.1	1.000	NPOC:-0.3563mg/L	Completed	7/9/2014 9:55:49 AM	55
69	LCS		1.000	NPOC:19.97mg/L	Completed	7/9/2014 11:23:31 AM	56
70	LCSD		1.000	NPOC:19.75mg/L	Completed	7/9/2014 11:34:24 AM	56

	Sample Name	Sample ID	Dilution	Result	Status	Date / Time	Vial
71	680-102587-D-32		1.000	NPOC:2.584mg/L	Completed	7/9/2014 11:53:00 AM	57
72	680-102587-C-33		1.000	NPOC:3.326mg/L	Completed	7/9/2014 12:11:28 PM	58
73	680-102587-D-34		1.000	NPOC:6.254mg/L	Completed	7/9/2014 12:29:56 PM	59
74	680-102587-B-36		1.000	NPOC:3.625mg/L	Completed	7/9/2014 12:48:23 PM	60
75	680-102587-B-37		1.000	NPOC:3.071mg/L	Completed	7/9/2014 1:06:52 PM	61
76	680-102587-D-37 MS		1.000	NPOC:23.00mg/L	Completed	7/9/2014 1:21:12 PM	62
77	680-102587-D-37 MSD		1.000	NPOC:22.99mg/L	Completed	7/9/2014 1:32:04 PM	62
78	680-102587-B-38		1.000	NPOC:2.930mg/L	Completed	7/9/2014 1:50:38 PM	63
79	680-102587-D-39	X5 (A)	1.000	NPOC:227.8mg/L	Completed	7/9/2014 2:05:38 PM	64
80	CCV		1.000	NPOC:49.80mg/L	Completed	7/9/2014 2:20:16 PM	53
81	CCB		1.000	NPOC:-0.3315mg/L	Completed	7/9/2014 2:36:46 PM	54
82	640-48413-F-1		1.000	NPOC:5.939mg/L	Completed	7/9/2014 2:55:28 PM	65
83	640-48413-F-1 DU		1.000	NPOC:5.958mg/L	Completed	7/9/2014 3:10:23 PM	65
84	640-48413-G-2		1.000	NPOC:8.353mg/L	Completed	7/9/2014 3:24:44 PM	66
85	640-48413-F-3		1.000	NPOC:6.671mg/L	Completed	7/9/2014 3:41:16 PM	67
86	660-61508-I-1	pH	1.000	NPOC:2128mg/L	Completed	7/9/2014 4:04:50 PM	68
87	660-61508-H-2		1.000	NPOC:677.4mg/L	Completed	7/9/2014 4:19:11 PM	69
88	660-61508-H-3		1.000	NPOC:183.8mg/L	Completed	7/9/2014 4:33:41 PM	70
89	660-61508-I-4		1.000	NPOC:31.00mg/L	Completed	7/9/2014 4:50:14 PM	71
90	660-61508-I-5		1.000	NPOC:320.0mg/L	Completed	7/9/2014 5:05:03 PM	72
91	660-61508-H-6		1.000	NPOC:491.8mg/L	Completed	7/9/2014 5:19:30 PM	73
92	CCV		1.000	NPOC:49.37mg/L	Completed	7/9/2014 5:34:06 PM	74
93	CCB		1.000	NPOC:0.1578mg/L	Completed	7/9/2014 5:52:45 PM	75
94	MB	415.1	1.000	NPOC:-0.1753mg/L	Completed	7/9/2014 6:11:29 PM	55
95	LCS		1.000	NPOC:20.10mg/L	Completed	7/9/2014 6:25:54 PM	76
96	LCSD		1.000	NPOC:20.29mg/L	Completed	7/9/2014 6:36:49 PM	76
97	680-102592-G-27		1.000	NPOC:0.8334mg/L	Completed	7/9/2014 6:55:27 PM	77
98	680-102592-G-27 MS		1.000	NPOC:21.58mg/L	Completed	7/9/2014 7:09:47 PM	78
99	680-102592-F-27 MSD		1.000	NPOC:20.89mg/L	Completed	7/9/2014 7:24:15 PM	79
100	680-102629-F-2		1.000	NPOC:0.6279mg/L	Completed	7/9/2014 7:42:52 PM	80
101	680-102629-D-3		1.000	NPOC:1.600mg/L	Completed	7/9/2014 8:01:21 PM	81
102	680-102629-F-4		1.000	NPOC:1.231mg/L	Completed	7/9/2014 8:17:48 PM	82
103	680-102629-E-5		1.000	NPOC:13.36mg/L	Completed	7/9/2014 8:32:15 PM	83
104	680-102629-E-6		1.000	NPOC:0.8709mg/L	Completed	7/9/2014 8:48:48 PM	84
105	680-102629-E-11		1.000	NPOC:4.516mg/L	Completed	7/9/2014 9:05:17 PM	85
106	680-102629-E-12		1.000	NPOC:4.216mg/L	Completed	7/9/2014 9:21:48 PM	86
107	CCV		1.000	NPOC:49.25mg/L	Completed	7/9/2014 9:36:21 PM	74
108	CCB		1.000	NPOC:-0.2268mg/L	Completed	7/9/2014 9:54:58 PM	75
109	680-102629-D-13		1.000	NPOC:4.407mg/L	Completed	7/9/2014 10:13:41 PM	87
110	680-102629-E-13 MS		1.000	NPOC:24.45mg/L	Completed	7/9/2014 10:28:04 PM	88
111	680-102629-C-13 MSD		1.000	NPOC:24.91mg/L	Completed	7/9/2014 10:38:57 PM	88
112	680-102629-E-14		1.000	NPOC:5.030mg/L	Completed	7/9/2014 10:57:36 PM	90
113	680-102629-D-15		1.000	NPOC:5.435mg/L	Completed	7/9/2014 11:11:57 PM	91
114	680-102629-F-16		1.000	NPOC:3.545mg/L	Completed	7/9/2014 11:28:29 PM	92
115	680-102629-E-17	X5 (A)	1.000	NPOC:76.39mg/L	Completed	7/9/2014 11:45:42 PM	93
116	680-102629-D-18		1.000	NPOC:6.381mg/L	Completed	7/10/2014 12:02:14 AM	1
117	680-102629-D-18 DU		1.000	NPOC:6.476mg/L	Completed	7/10/2014 12:15:10 AM	1
118	680-102629-F-19		1.000	NPOC:8.512mg/L	Completed	7/10/2014 12:29:34 AM	2
119	CCV		1.000	NPOC:49.44mg/L	Completed	7/10/2014 12:44:13 AM	3
120	CCB		1.000	NPOC:-0.3267mg/L	Completed	7/10/2014 1:02:47 AM	4
121	680-102629-F-20		1.000	NPOC:5.079mg/L	Completed	7/10/2014 1:21:14 AM	5
122	680-102629-E-22		1.000	NPOC:8.459mg/L	Completed	7/10/2014 1:35:33 AM	6
123	CCV		1.000	NPOC:49.46mg/L	Completed	7/10/2014 1:50:29 AM	3
124	CCB		1.000	NPOC:-0.3537mg/L	Completed	7/10/2014 2:09:02 AM	4
125	MB		1.000	NPOC:-0.3878mg/L	Completed	7/10/2014 2:27:30 AM	7
126	LCS	415	1.000	NPOC:19.32mg/L	Completed	7/10/2014 2:41:51 AM	8
127	LCSD		1.000	NPOC:19.25mg/L	Completed	7/10/2014 2:52:44 AM	8
128	680-102672-B-6	pH, sed, x100 (M)	100.0	NPOC:5910mg/L	Completed	7/10/2014 3:07:08 AM	9
129	680-102672-C-7	sed, x50 (M)	50.00	NPOC:2571mg/L	Completed	7/10/2014 3:21:33 AM	10
130	680-102672-C-7 MS	x50 (M)	50.00	NPOC:3482mg/L	Completed	7/10/2014 3:35:58 AM	11
131	680-102672-C-7 MSD	x50 (M)	50.00	NPOC:3492mg/L	Completed	7/10/2014 3:46:52 AM	11
132	680-102672-C-8	sed, x5 (M)	5.000	NPOC:4505mg/L	Completed	7/10/2014 4:01:50 AM	12
133	680-102672-G-14		1.000	NPOC:82.40mg/L	Completed	7/10/2014 4:16:23 AM	13
134	680-102672-G-17		1.000	NPOC:56.15mg/L	Completed	7/10/2014 4:30:56 AM	14
135	680-102672-E-20		1.000	NPOC:1.102mg/L	Completed	7/10/2014 4:49:28 AM	15
136	680-102672-G-40		1.000	NPOC:1.065mg/L	Completed	7/10/2014 5:05:49 AM	16
137	680-102672-F-42		1.000	NPOC:6.340mg/L	Completed	7/10/2014 5:20:12 AM	17

	Sample Name	Sample ID	Dilution	Result	Status	Date / Time	Vial
138	CCV		1.000	NPOC:49.33mg/L	Completed	7/10/2014 5:34:44 AM	18
139	CCB		1.000	NPOC:-0.3524mg/L	Completed	7/10/2014 5:53:17 AM	19
140	680-102672-G-43		1.000	NPOC:2.766mg/L	Completed	7/10/2014 6:11:42 AM	20
141	680-102672-G-43 DU		1.000	NPOC:2.746mg/L	Completed	7/10/2014 6:24:32 AM	20
142	680-102672-E-44		1.000	NPOC:1.758mg/L	Completed	7/10/2014 6:40:59 AM	21
143	680-102672-E-48		1.000	NPOC:2.711mg/L	Completed	7/10/2014 6:57:25 AM	22
144	680-102900-M-1		1.000	NPOC:0.02431mg/L	Completed	7/10/2014 7:15:56 AM	23
145	680-102900-M-2		1.000	NPOC:-0.2504mg/L	Completed	7/10/2014 7:32:18 AM	24
146	680-102900-K-3		1.000	NPOC:0.1379mg/L	Completed	7/10/2014 7:48:45 AM	25
147	680-102916-E-1		1.000	NPOC:0.2859mg/L	Completed	7/10/2014 8:07:15 AM	26
148	680-102918-G-50		1.000	NPOC:18.25mg/L	Completed	7/10/2014 8:23:36 AM	27
149	680-102918-E-51	sed, decanted	1.000	NPOC:8.107mg/L	Completed	7/10/2014 8:40:03 AM	28
150	CCV		1.000	NPOC:49.65mg/L	Completed	7/10/2014 8:55:05 AM	18
151	CCB		1.000	NPOC:-0.3528mg/L	Completed	7/10/2014 9:13:36 AM	19
152	680-102946-E-1		1.000	NPOC:4.458mg/L	Completed	7/10/2014 9:28:00 AM	29
153	680-102946-C-2		1.000	NPOC:2.104mg/L	Completed	7/10/2014 9:44:28 AM	30
154	680-102983-D-2		1.000	NPOC:1.595mg/L	Completed	7/10/2014 10:00:56 AM	31
155	CCV		1.000	NPOC:49.57mg/L	Completed	7/10/2014 10:15:48 AM	32
156	CCB		1.000	NPOC:-0.3772mg/L	Completed	7/10/2014 10:34:21 AM	33

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	

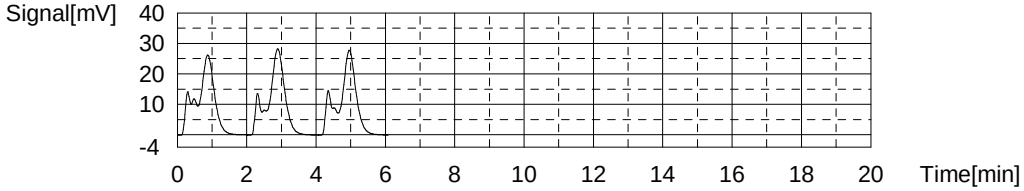
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.62mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	92.04	48.13mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 3:59:59 PM
2	93.69	49.00mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 4:02:10 PM
3	93.21	48.75mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 4:04:22 PM

Mean Area 92.98
Mean Conc. 48.62mg/L



Sample

Sample Name:	CCB
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

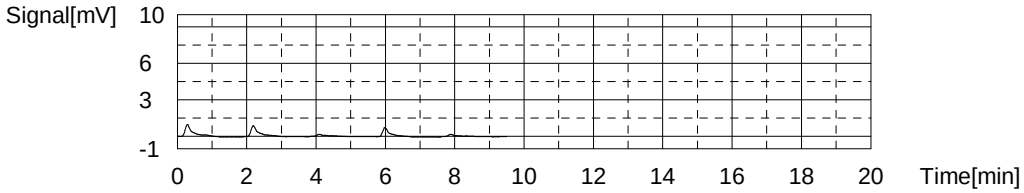
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2242mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.591	0.3368mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 4:14:38 PM
2	1.406	0.2390mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 4:16:42 PM
3	0.2573	-0.3679mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 4:18:45 PM
4	1.137	0.09689mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 4:20:49 PM
5	0.1925	-0.4022mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 4:22:53 PM

Mean Area 1.378
Mean Conc. 0.2242mg/L



Sample

Sample Name: BICARB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

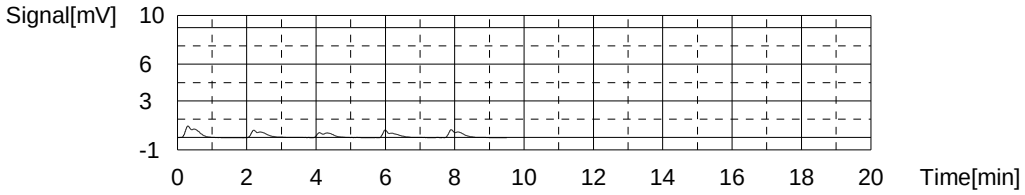
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2181mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.075	0.5925mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 4:33:04 PM
2	1.429	0.2512mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 4:35:08 PM
3	1.094	0.07417mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 4:37:12 PM
4	1.273	0.1687mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 4:39:16 PM
5	1.397	0.2343mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 4:41:19 PM

Mean Area 1.366
Mean Conc. 0.2181mg/L



Sample

Sample Name: RLV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

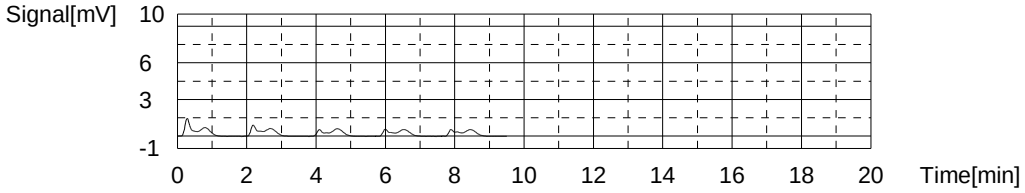
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6268mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.284	1.231mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 4:51:29 PM
2	2.720	0.9333mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 4:53:32 PM
3	2.131	0.6221mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 4:55:36 PM
4	2.166	0.6406mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 4:57:39 PM
5	2.123	0.6179mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 4:59:43 PM

Mean Area 2.140
Mean Conc. 0.6268mg/L



Sample

Sample Name: MB
Sample ID: 415.1
Origin: TOC415.1A.met
Status Completed
Chk. Result

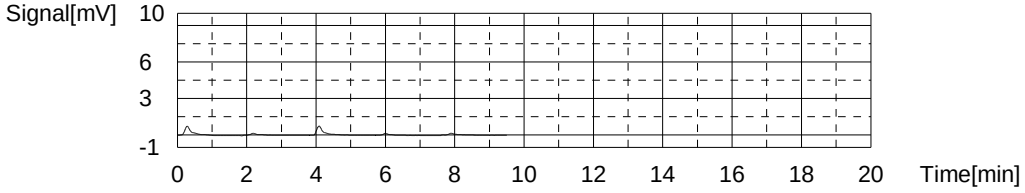
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.4085mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9409	-0.00672mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 5:09:53 PM
2	0.2378	-0.3782mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 5:11:56 PM
3	0.9656	0.00633mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 5:14:00 PM
4	0.1477	-0.4258mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 5:16:04 PM
5	0.1558	-0.4215mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 5:18:08 PM

Mean Area 0.1804
Mean Conc. -0.4085mg/L



Sample

Sample Name: LCS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

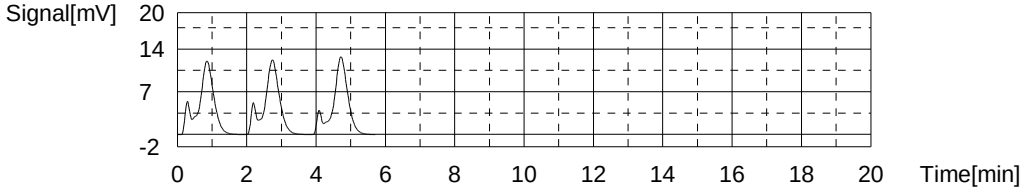
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.46mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.68	19.40mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 5:28:18 PM
2	37.68	19.40mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 5:30:22 PM
3	37.99	19.57mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 5:32:26 PM

Mean Area 37.78
Mean Conc. 19.46mg/L



Sample

Sample Name: 660-61466-A-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

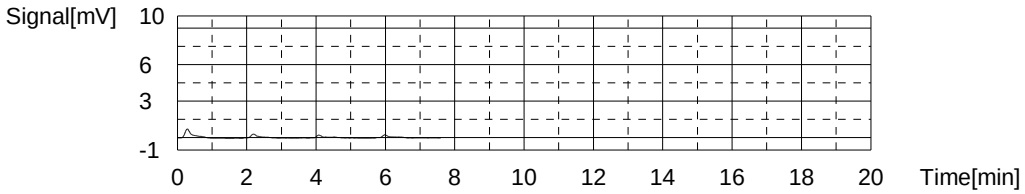
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.2816mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.086	0.06994mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 5:42:44 PM
2	0.4665	-0.2574mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 5:44:48 PM
3	0.3792	-0.3035mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 5:46:51 PM
4	0.4160	-0.2841mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 5:48:55 PM

Mean Area 0.4206
Mean Conc. -0.2816mg/L



Sample

Sample Name: 660-61466-A-1 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

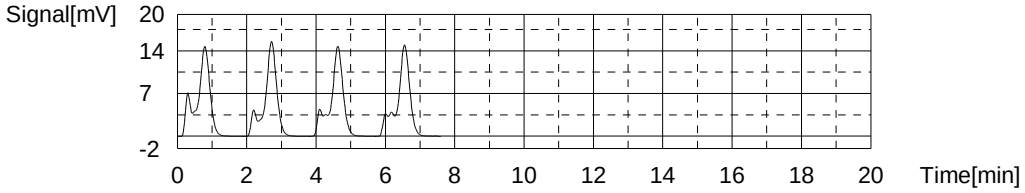
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.06mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	39.03	20.12mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 5:59:10 PM
2	36.91	19.00mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 6:01:14 PM
3	37.02	19.06mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 6:03:17 PM
4	37.17	19.14mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 6:05:21 PM

Mean Area 37.03
Mean Conc. 19.06mg/L



Sample

Sample Name: 660-61466-A-1 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

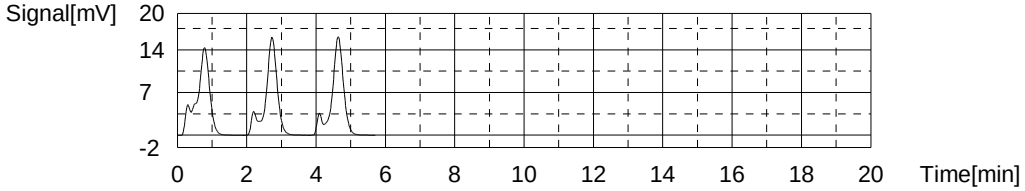
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.37mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.42	19.27mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 6:12:04 PM
2	37.52	19.32mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 6:14:08 PM
3	37.90	19.52mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 6:16:12 PM

Mean Area 37.61
Mean Conc. 19.37mg/L



Sample

Sample Name: 660-61482-F-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

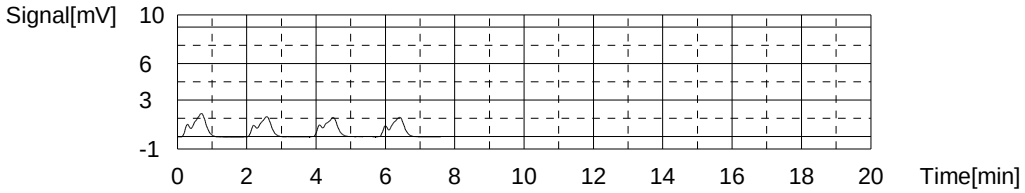
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.872mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.243	2.266mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 6:26:27 PM
2	4.489	1.868mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 6:28:30 PM
3	4.502	1.875mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 6:30:34 PM
4	4.499	1.873mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 6:32:37 PM

Mean Area 4.497
Mean Conc. 1.872mg/L



Sample

Sample Name: 660-61482-G-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

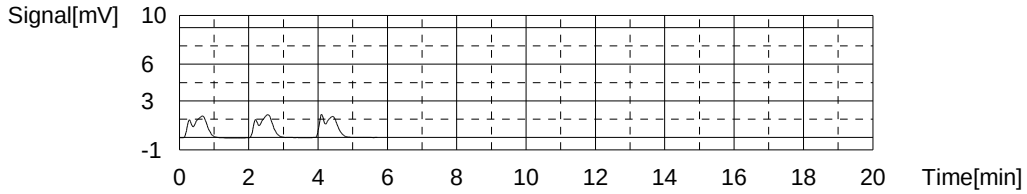
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.409mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.528	2.417mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 6:42:53 PM
2	5.549	2.428mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 6:44:57 PM
3	5.463	2.383mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 6:47:01 PM

Mean Area 5.513
Mean Conc. 2.409mg/L



Sample

Sample Name: 660-61482-H-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

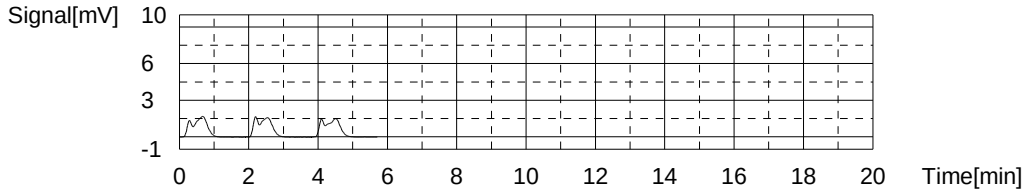
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.226mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.184	2.235mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 6:57:16 PM
2	5.242	2.266mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 6:59:19 PM
3	5.074	2.177mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 7:01:23 PM

Mean Area 5.167
Mean Conc. 2.226mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

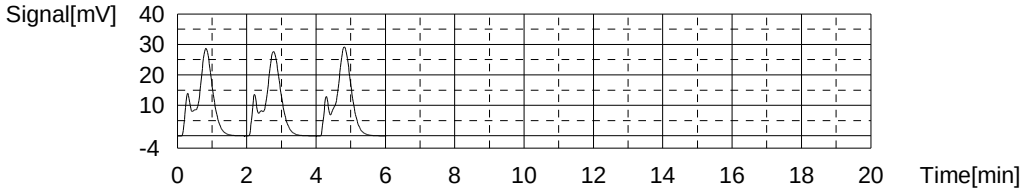
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.33mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	91.55	47.87mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 7:11:51 PM
2	92.04	48.13mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 7:14:05 PM
3	93.69	49.00mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 7:16:15 PM

Mean Area 92.43
Mean Conc. 48.33mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

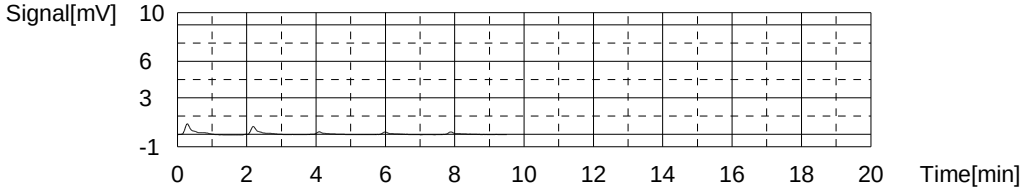
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3757mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.450	0.2623mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 7:26:32 PM
2	1.039	0.04511mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 7:28:35 PM
3	0.2468	-0.3735mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 7:30:39 PM
4	0.2455	-0.3741mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 7:32:42 PM
5	0.2356	-0.3794mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 7:34:46 PM

Mean Area 0.2426
Mean Conc. -0.3757mg/L



Sample

Sample Name: 660-61482-F-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

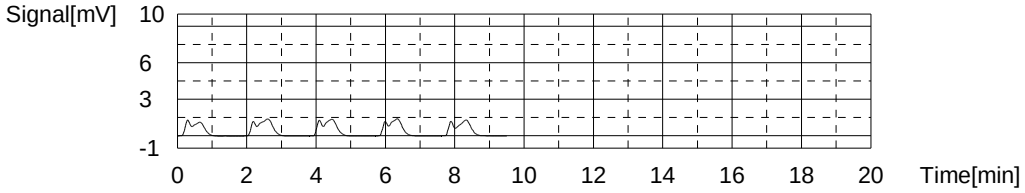
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.787mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.821	1.515mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 7:45:01 PM
2	4.716	1.988mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 7:47:05 PM
3	4.451	1.848mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 7:49:08 PM
4	4.263	1.749mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 7:51:12 PM
5	4.296	1.766mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 7:53:15 PM

Mean Area 4.337
Mean Conc. 1.787mg/L



Sample

Sample Name: 660-61482-F-4 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

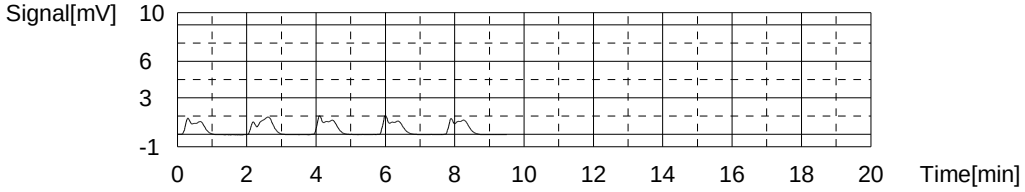
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.777mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.776	1.491mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 7:59:54 PM
2	4.656	1.956mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 8:01:57 PM
3	4.418	1.830mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 8:04:01 PM
4	4.316	1.777mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 8:06:04 PM
5	4.216	1.724mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 8:08:08 PM

Mean Area 4.317
Mean Conc. 1.777mg/L



Sample

Sample Name: 660-61482-F-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

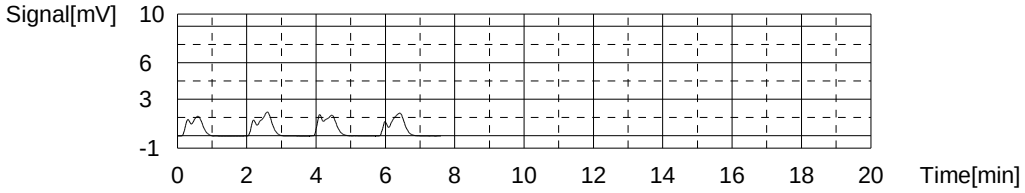
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.472mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.513	1.881mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 8:18:17 PM
2	5.653	2.483mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 8:20:21 PM
3	5.585	2.447mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 8:22:24 PM
4	5.659	2.486mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 8:24:28 PM

Mean Area 5.632
Mean Conc. 2.472mg/L



Sample

Sample Name: 660-61497-A-1
Sample ID: pH, plastic
Origin: TOC415.1A.met
Status Completed
Chk. Result

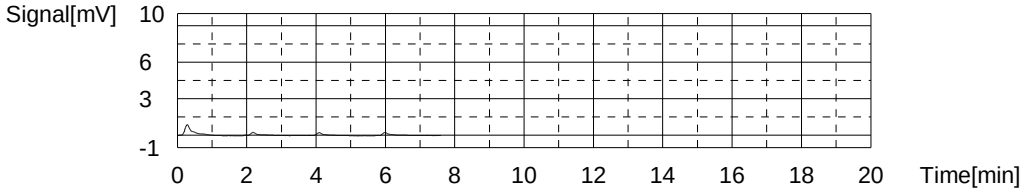
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3712mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.338	0.2031mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 8:34:44 PM
2	0.2081	-0.3939mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 8:36:47 PM
3	0.2658	-0.3634mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 8:38:51 PM
4	0.2794	-0.3562mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 8:40:55 PM

Mean Area 0.2511
Mean Conc. -0.3712mg/L



Sample

Sample Name: 680-102769-I-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

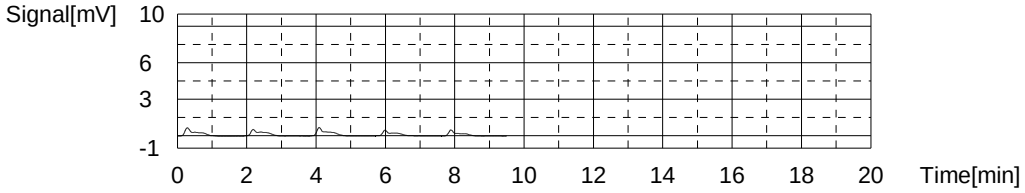
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2362mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.468	0.2718mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 8:51:10 PM
2	1.272	0.1682mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 8:53:14 PM
3	1.462	0.2686mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 8:55:17 PM
4	0.9532	-0.00022mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 8:57:21 PM
5	0.9864	0.01732mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 8:59:24 PM

Mean Area 1.401
Mean Conc. 0.2362mg/L



Sample

Sample Name: 680-102769-G-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

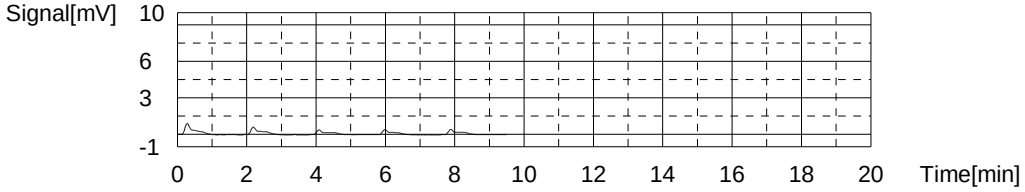
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.07494mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.588	0.3352mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 9:09:33 PM
2	1.192	0.1259mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 9:11:37 PM
3	0.7729	-0.09549mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 9:13:40 PM
4	0.7926	-0.08508mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 9:15:44 PM
5	0.8699	-0.04424mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 9:17:47 PM

Mean Area 0.8118
Mean Conc. -0.07494mg/L



Sample

Sample Name: 680-102769-I-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

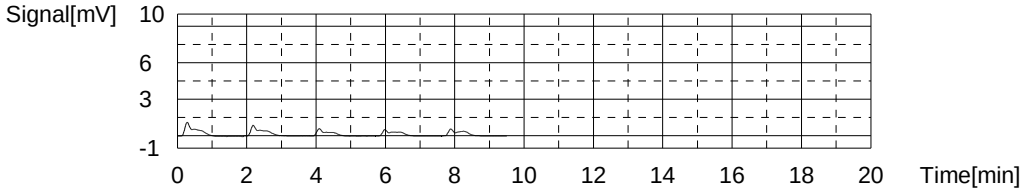
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2380mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.438	0.7843mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 9:27:56 PM
2	1.988	0.5465mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 9:30:00 PM
3	1.384	0.2274mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 9:32:03 PM
4	1.410	0.2411mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 9:34:07 PM
5	1.418	0.2454mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 9:36:10 PM

Mean Area 1.404
Mean Conc. 0.2380mg/L



Sample

Sample Name: 680-102769-H-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

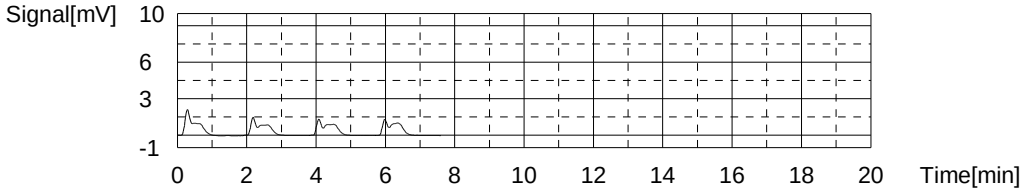
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.458mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.365	1.802mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 9:46:19 PM
2	3.673	1.437mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 9:48:23 PM
3	3.745	1.475mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 9:50:26 PM
4	3.723	1.463mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 9:52:30 PM

Mean Area 3.714
Mean Conc. 1.458mg/L



Sample

Sample Name: 680-102769-H-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

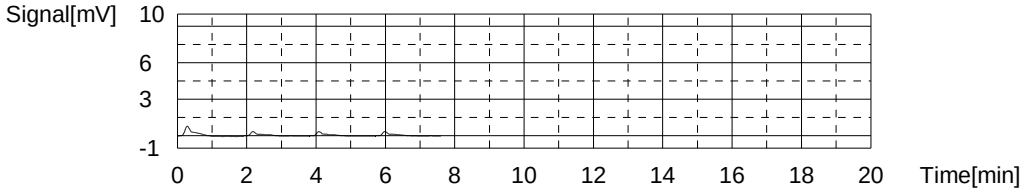
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.1803mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.356	0.2126mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 10:02:44 PM
2	0.6010	-0.1863mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 10:04:48 PM
3	0.6286	-0.1717mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 10:06:51 PM
4	0.6076	-0.1828mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 10:08:55 PM

Mean Area 0.6124
Mean Conc. -0.1803mg/L



Sample

Sample Name: 680-102769-I-8
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

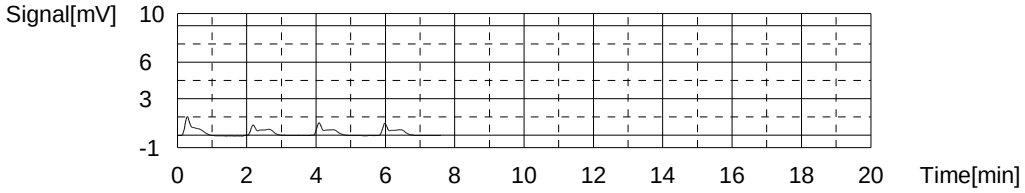
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6721mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.861	1.008mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 10:19:10 PM
2	2.190	0.6533mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 10:21:14 PM
3	2.247	0.6834mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 10:23:18 PM
4	2.240	0.6797mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 10:25:21 PM

Mean Area 2.226
Mean Conc. 0.6721mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

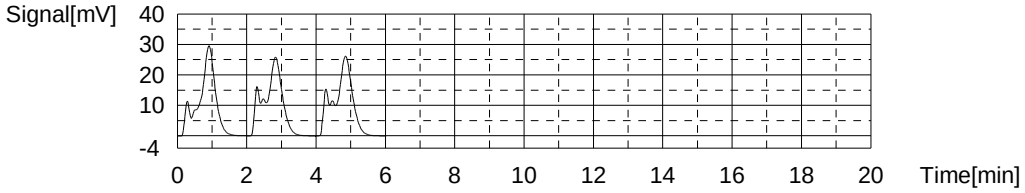
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.62mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	93.15	48.71mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 10:35:41 PM
2	91.97	48.09mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 10:37:50 PM
3	93.82	49.07mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 10:40:01 PM

Mean Area 92.98
Mean Conc. 48.62mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

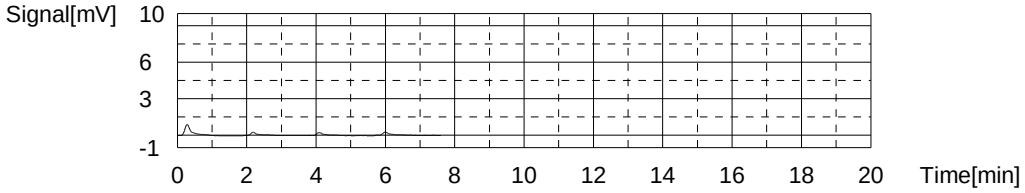
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3586mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.224	0.1429mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 10:50:17 PM
2	0.2468	-0.3735mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 10:52:21 PM
3	0.2458	-0.3740mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 10:54:24 PM
4	0.3321	-0.3284mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 10:56:28 PM

Mean Area 0.2749
Mean Conc. -0.3586mg/L



Sample

Sample Name: 680-102773-B-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

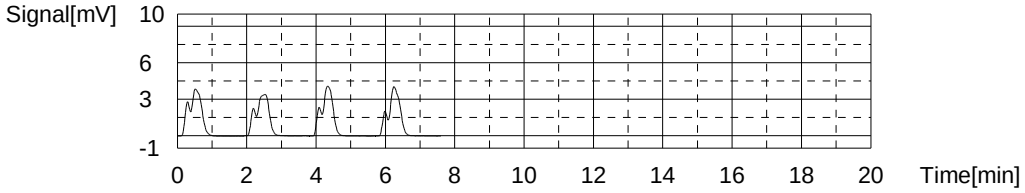
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.419mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.892	4.723mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 11:06:41 PM
2	9.209	4.362mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 11:08:45 PM
3	9.373	4.449mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 11:10:48 PM
4	9.372	4.448mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 11:12:52 PM

Mean Area 9.318
Mean Conc. 4.419mg/L



Sample

Sample Name: 680-102817-L-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

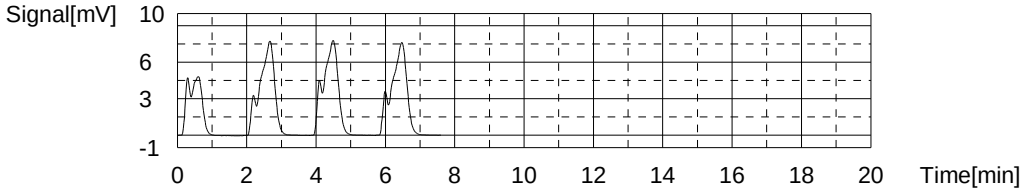
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:11.74mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.92	6.851mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 11:23:07 PM
2	22.93	11.61mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 11:25:10 PM
3	23.26	11.79mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 11:27:14 PM
4	23.33	11.82mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 11:29:17 PM

Mean Area 23.17
Mean Conc. 11.74mg/L



Sample

Sample Name: 680-102817-L-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

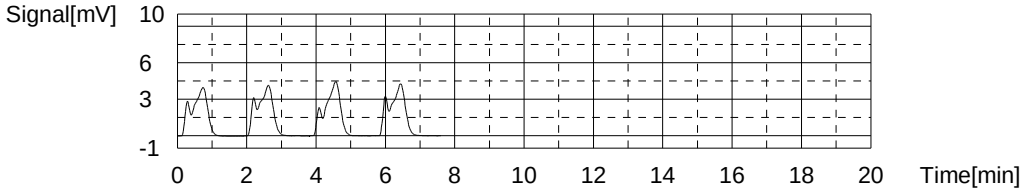
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.562mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.63	6.169mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 11:39:32 PM
2	13.22	6.481mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 11:41:36 PM
3	13.38	6.566mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 11:43:39 PM
4	13.52	6.640mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 11:45:43 PM

Mean Area 13.37
Mean Conc. 6.562mg/L



Sample

Sample Name: 680-102817-L-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

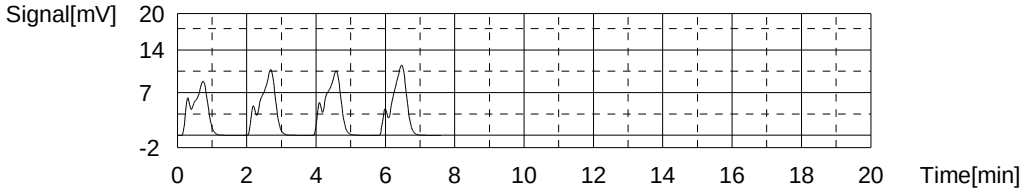
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:16.87mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	27.93	14.25mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 11:55:57 PM
2	32.38	16.60mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/8/2014 11:58:00 PM
3	33.19	17.03mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:00:04 AM
4	33.07	16.97mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:02:07 AM

Mean Area 32.88
Mean Conc. 16.87mg/L



Sample

Sample Name: 680-102817-L-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

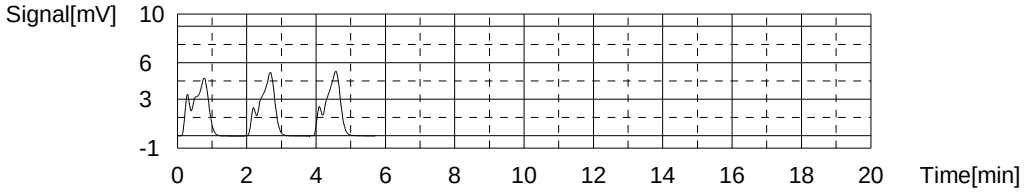
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.652mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.46	7.665mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:12:22 AM
2	15.29	7.575mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:14:26 AM
3	15.56	7.718mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:16:29 AM

Mean Area 15.44
Mean Conc. 7.652mg/L



Sample

Sample Name: 680-102817-L-5
Sample ID: pH
Origin: TOC415.1A.met
Status Completed
Chk. Result

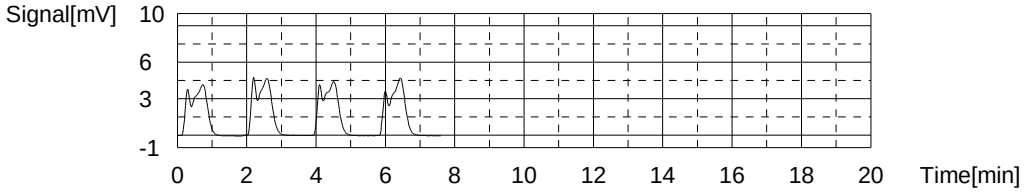
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.718mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	14.50	7.157mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:26:46 AM
2	15.88	7.887mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:28:49 AM
3	15.33	7.596mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:30:53 AM
4	15.47	7.670mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:32:56 AM

Mean Area 15.56
Mean Conc. 7.718mg/L



Sample

Sample Name: 680-102817-L-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

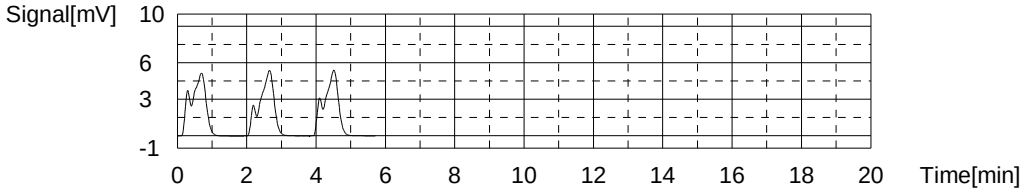
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.612mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.57	7.723mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:43:12 AM
2	15.26	7.559mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:45:16 AM
3	15.25	7.554mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:47:19 AM

Mean Area 15.36
Mean Conc. 7.612mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

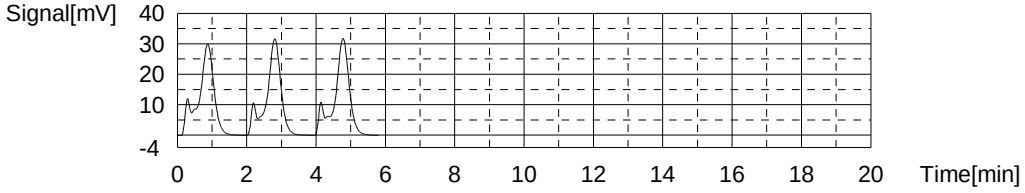
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.67mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	92.91	48.59mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:57:48 AM
2	92.44	48.34mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:59:54 AM
3	93.87	49.09mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:02:01 AM

Mean Area 93.07
Mean Conc. 48.67mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

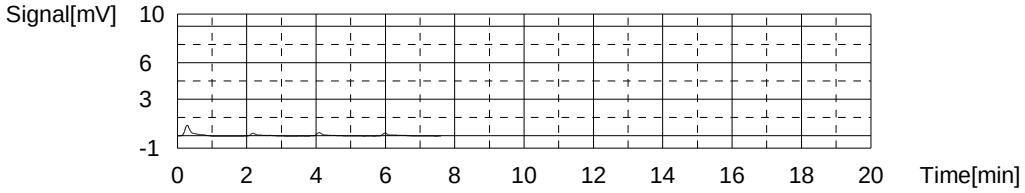
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3012mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.247	0.1550mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:12:18 AM
2	0.4292	-0.2771mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:14:22 AM
3	0.3101	-0.3400mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:16:25 AM
4	0.4115	-0.2864mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:18:29 AM

Mean Area 0.3836
Mean Conc. -0.3012mg/L



Sample

Sample Name: MB
Sample ID: 415.1
Origin: TOC415.1A.met
Status Completed
Chk. Result

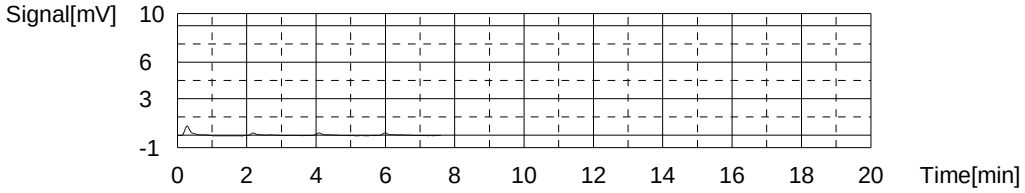
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3741mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.022	0.03613mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:28:51 AM
2	0.2408	-0.3766mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:30:54 AM
3	0.2096	-0.3931mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:32:58 AM
4	0.2865	-0.3525mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:35:01 AM

Mean Area 0.2456
Mean Conc. -0.3741mg/L



Sample

Sample Name: LCS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

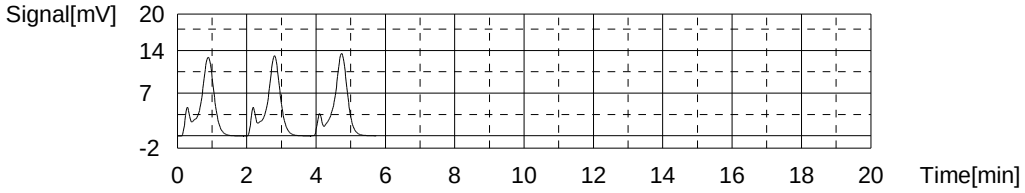
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.24mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.42	19.27mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:45:15 AM
2	37.13	19.11mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:47:20 AM
3	37.53	19.33mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:49:25 AM

Mean Area 37.36
Mean Conc. 19.24mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

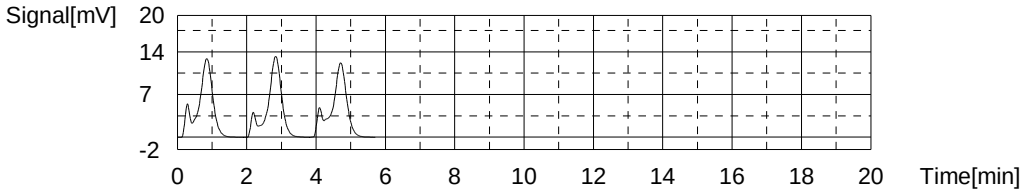
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.35mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.81	19.47mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:56:10 AM
2	37.70	19.42mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:58:14 AM
3	37.22	19.16mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:00:17 AM

Mean Area 37.58
Mean Conc. 19.35mg/L



Sample

Sample Name: 680-102817-L-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

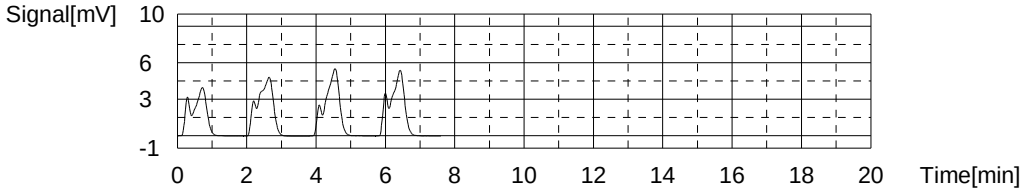
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.656mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.83	5.747mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:10:46 AM
2	15.17	7.511mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:12:49 AM
3	15.50	7.686mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:14:53 AM
4	15.66	7.770mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:16:56 AM

Mean Area 15.44
Mean Conc. 7.656mg/L



Sample

Sample Name: 680-102817-L-7 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

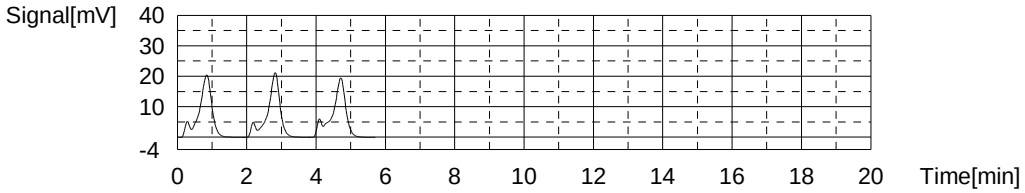
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:27.23mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	52.37	27.17mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:27:11 AM
2	52.28	27.12mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:29:15 AM
3	52.83	27.41mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:31:19 AM

Mean Area 52.49
Mean Conc. 27.23mg/L



Sample

Sample Name: 680-102817-L-7 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

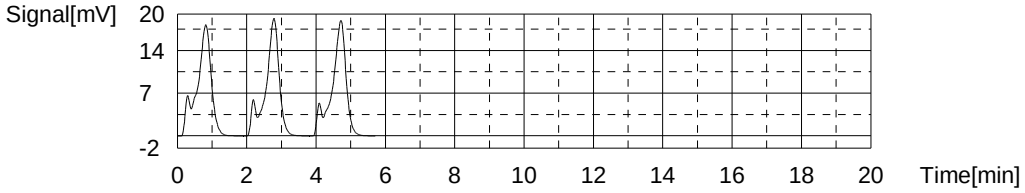
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:27.33mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	52.47	27.22mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:38:04 AM
2	52.39	27.18mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:40:07 AM
3	53.16	27.58mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:42:11 AM

Mean Area 52.67
Mean Conc. 27.33mg/L



Sample

Sample Name: 680-102817-L-8
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

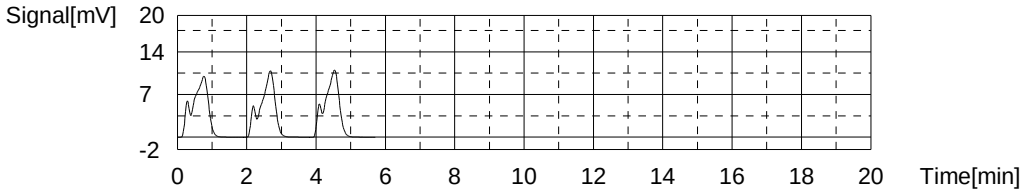
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:16.05mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	31.18	15.97mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:52:28 AM
2	31.07	15.91mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:54:32 AM
3	31.72	16.26mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:56:35 AM

Mean Area 31.32
Mean Conc. 16.05mg/L



Sample

Sample Name: 680-102817-L-9
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

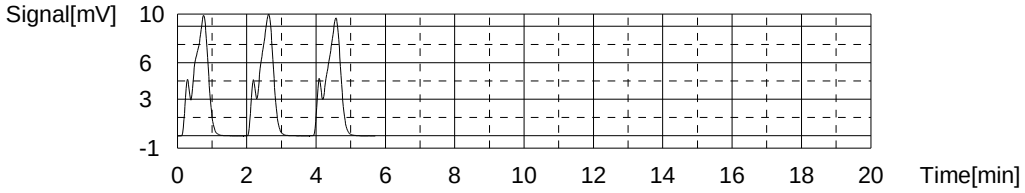
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:14.48mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	28.58	14.60mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:06:53 AM
2	28.01	14.30mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:08:56 AM
3	28.48	14.54mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:11:00 AM

Mean Area 28.36
Mean Conc. 14.48mg/L



Sample

Sample Name: 680-102817-L-10
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

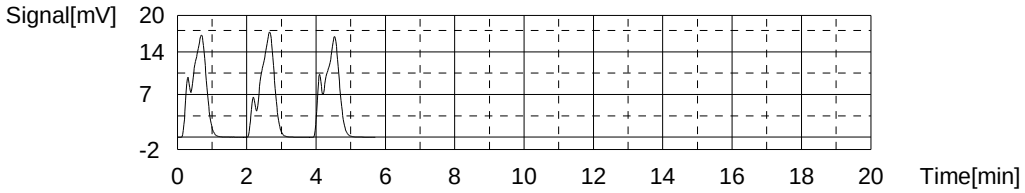
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.67mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	49.40	25.60mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:21:18 AM
2	49.37	25.58mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:23:21 AM
3	49.84	25.83mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:25:25 AM

Mean Area 49.54
Mean Conc. 25.67mg/L



Sample

Sample Name: 680-102906-C-31
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

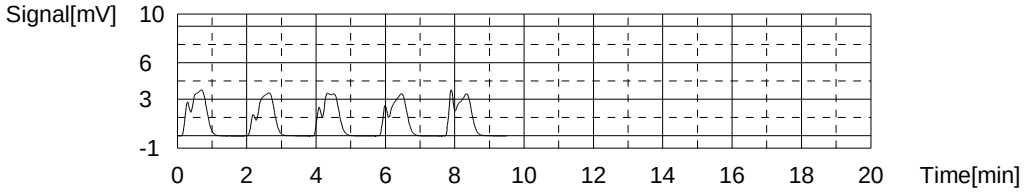
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.778mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.72	6.217mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:35:40 AM
2	11.58	5.615mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:37:44 AM
3	11.98	5.826mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:39:47 AM
4	12.11	5.895mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:41:51 AM
5	12.92	6.323mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:43:55 AM

Mean Area 11.89
Mean Conc. 5.778mg/L



Sample

Sample Name: 680-102587-D-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

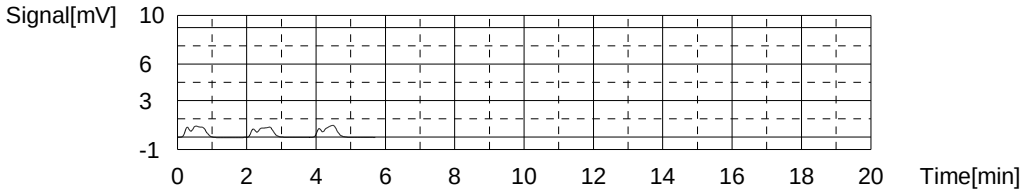
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.067mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.064	1.115mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:54:06 AM
2	2.911	1.034mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:56:09 AM
3	2.945	1.052mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:58:13 AM

Mean Area 2.973
Mean Conc. 1.067mg/L



Sample

Sample Name: 680-102587-C-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

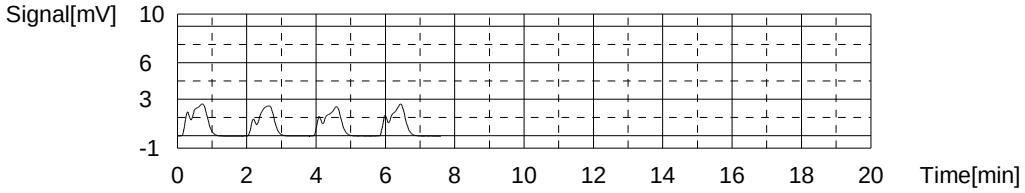
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.782mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.020	4.262mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:08:29 AM
2	8.058	3.754mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:10:33 AM
3	8.055	3.752mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:12:36 AM
4	8.221	3.840mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:14:40 AM

Mean Area 8.111
Mean Conc. 3.782mg/L



Sample

Sample Name: 680-102587-C-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

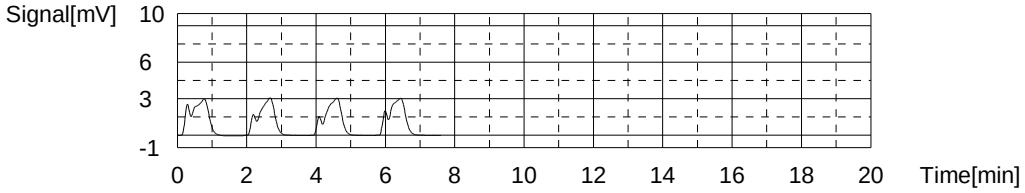
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.759mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.92	5.266mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:24:55 AM
2	9.832	4.691mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:26:58 AM
3	9.980	4.769mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:29:02 AM
4	10.07	4.817mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:31:06 AM

Mean Area 9.961
Mean Conc. 4.759mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

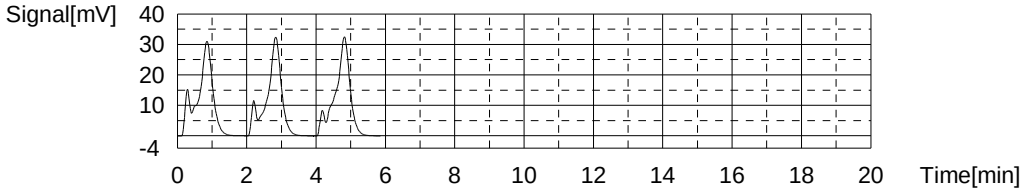
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.29mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	94.08	49.20mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:41:22 AM
2	93.63	48.97mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:43:31 AM
3	95.03	49.71mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:45:38 AM

Mean Area 94.25
Mean Conc. 49.29mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

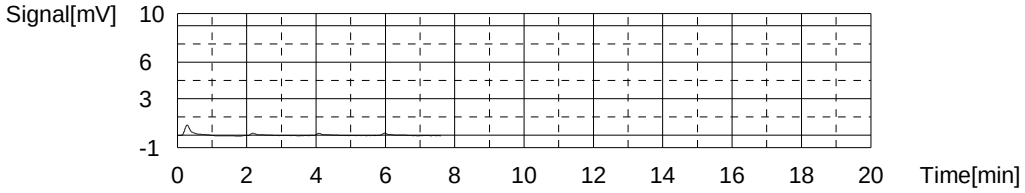
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.4099mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.298	0.1820mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:55:55 AM
2	0.1924	-0.4022mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:57:59 AM
3	0.1345	-0.4328mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:00:02 AM
4	0.2066	-0.3947mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:02:06 AM

Mean Area 0.1778
Mean Conc. -0.4099mg/L



Sample

Sample Name: 680-102587-C-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

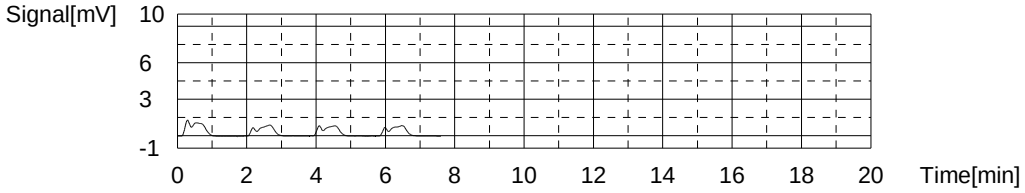
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.076mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.993	1.606mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:12:21 AM
2	2.974	1.067mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:14:25 AM
3	2.969	1.065mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:16:28 AM
4	3.030	1.097mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:18:32 AM

Mean Area 2.991
Mean Conc. 1.076mg/L



Sample

Sample Name: 680-102587-C-5 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

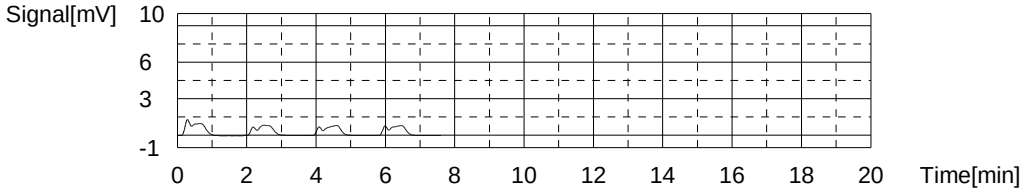
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.054mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.807	1.508mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:25:16 AM
2	2.899	1.028mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:27:19 AM
3	2.972	1.066mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:29:23 AM
4	2.976	1.069mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:31:27 AM

Mean Area 2.949
Mean Conc. 1.054mg/L



Sample

Sample Name: 680-102587-B-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

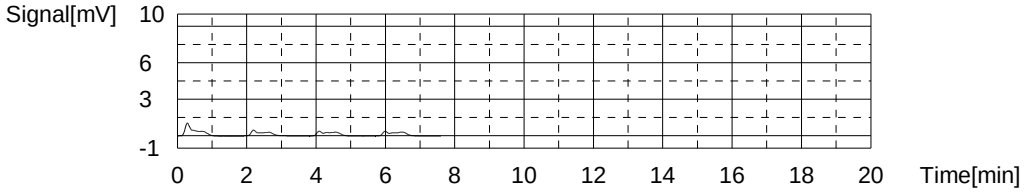
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1524mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.185	0.6506mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:41:41 AM
2	1.187	0.1233mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:43:45 AM
3	1.296	0.1809mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:45:48 AM
4	1.243	0.1529mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:47:52 AM

Mean Area 1.242
Mean Conc. 0.1524mg/L



Sample

Sample Name: 680-102587-C-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

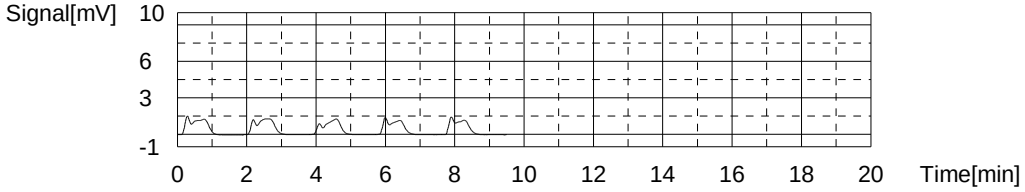
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.778mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.217	2.253mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:58:07 AM
2	4.999	2.137mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:00:10 AM
3	4.257	1.745mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:02:14 AM
4	4.329	1.783mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:04:18 AM
5	4.372	1.806mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:06:21 AM

Mean Area 4.319
Mean Conc. 1.778mg/L



Sample

Sample Name: 680-102587-B-8
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

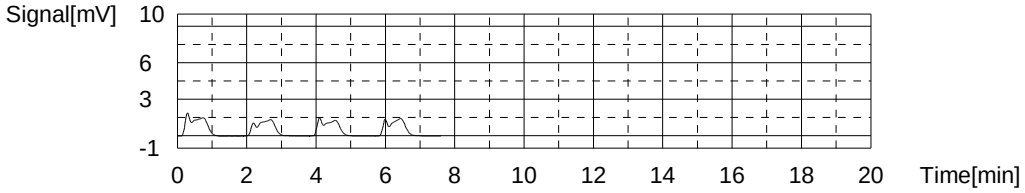
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.120mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.059	2.698mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:16:31 AM
2	4.933	2.103mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:18:35 AM
3	4.942	2.107mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:20:38 AM
4	5.023	2.150mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:22:42 AM

Mean Area 4.966
Mean Conc. 2.120mg/L



Sample

Sample Name: 680-102587-C-9
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

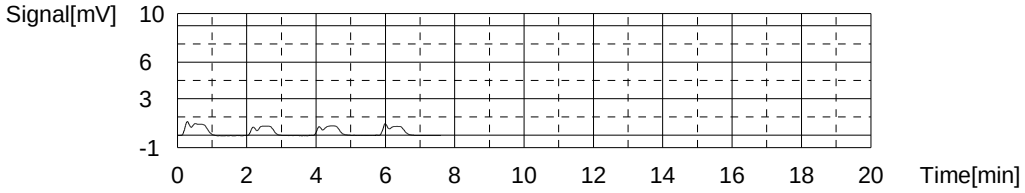
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9916mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.769	1.488mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:32:58 AM
2	2.811	0.9814mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:35:02 AM
3	2.860	1.007mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:37:05 AM
4	2.820	0.9861mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:39:09 AM

Mean Area 2.830
Mean Conc. 0.9916mg/L



Sample

Sample Name: 680-102587-C-11
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

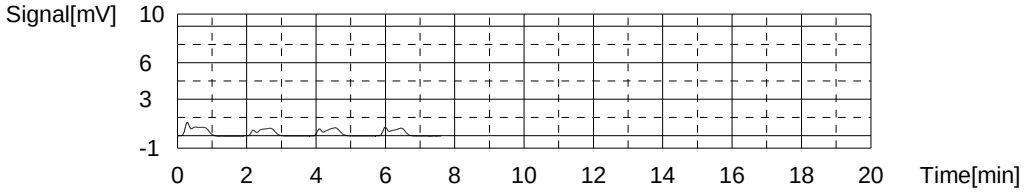
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6883mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.291	1.235mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:49:23 AM
2	2.237	0.6781mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:51:27 AM
3	2.260	0.6902mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:53:30 AM
4	2.272	0.6966mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:55:34 AM

Mean Area 2.256
Mean Conc. 0.6883mg/L



Sample

Sample Name: 680-102587-C-22
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

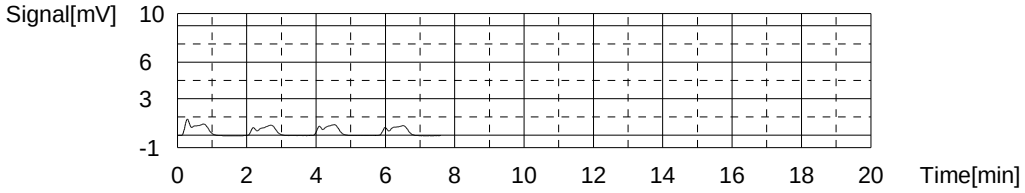
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.084mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.967	1.592mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:05:52 AM
2	3.015	1.089mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:07:55 AM
3	2.988	1.075mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:09:59 AM
4	3.010	1.087mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:12:03 AM

Mean Area 3.004
Mean Conc. 1.084mg/L



Sample

Sample Name: 680-102587-C-23
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

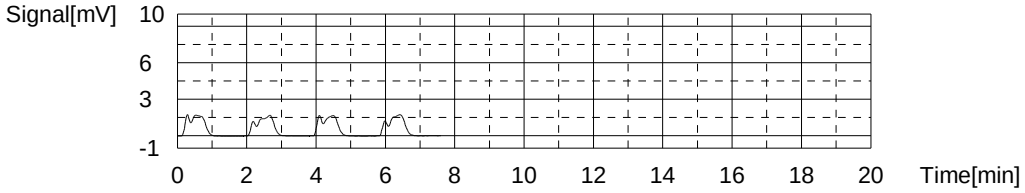
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.582mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.921	2.625mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:22:19 AM
2	5.587	2.448mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:24:23 AM
3	5.796	2.559mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:26:27 AM
4	5.806	2.564mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:28:30 AM

Mean Area 5.841
Mean Conc. 2.582mg/L



Sample

Sample Name: 680-102587-B-24
Sample ID: X10 (A)
Origin: TOC415.1A.met
Status Completed
Chk. Result

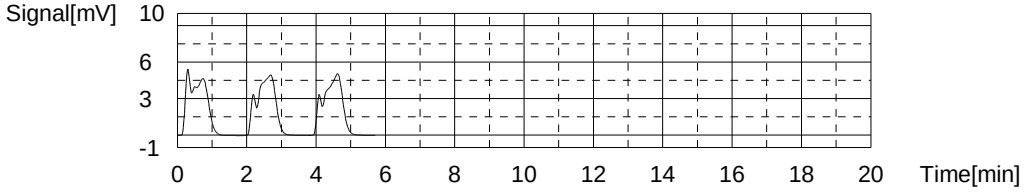
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:94.56mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	18.97	95.19mg/L	50uL	10		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:39:29 AM
2	18.64	93.45mg/L	50uL	10		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:41:32 AM
3	18.94	95.03mg/L	50uL	10		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:43:36 AM

Mean Area 18.85
Mean Conc. 94.56mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

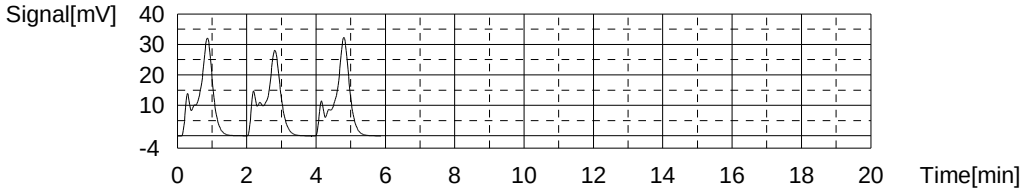
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.40mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	94.75	49.56mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:54:02 AM
2	93.36	48.82mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:56:10 AM
3	95.26	49.83mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:58:20 AM

Mean Area 94.46
Mean Conc. 49.40mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

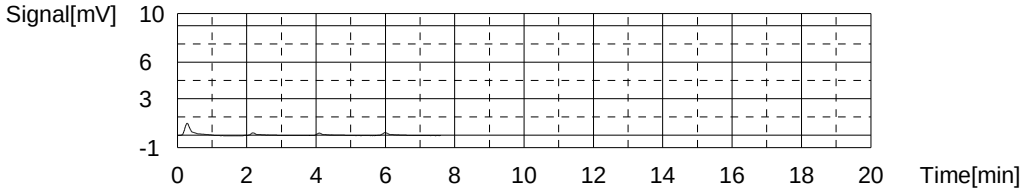
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3911mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.426	0.2496mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:08:38 AM
2	0.1761	-0.4108mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:10:41 AM
3	0.2209	-0.3871mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:12:45 AM
4	0.2435	-0.3752mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:14:49 AM

Mean Area 0.2135
Mean Conc. -0.3911mg/L



Sample

Sample Name: 680-102587-C-25
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

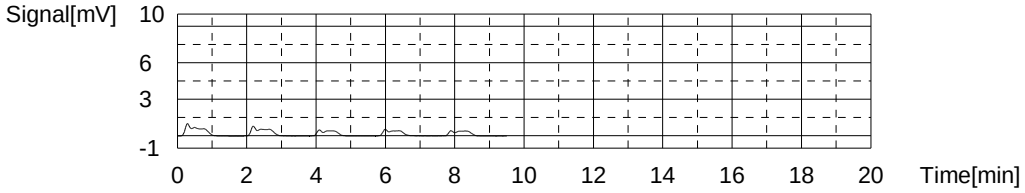
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3274mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.872	1.014mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:25:11 AM
2	2.330	0.7272mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:27:15 AM
3	1.593	0.3378mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:29:18 AM
4	1.582	0.3320mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:31:22 AM
5	1.545	0.3125mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:33:26 AM

Mean Area 1.573
Mean Conc. 0.3274mg/L



Sample

Sample Name: 680-102587-B-26
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

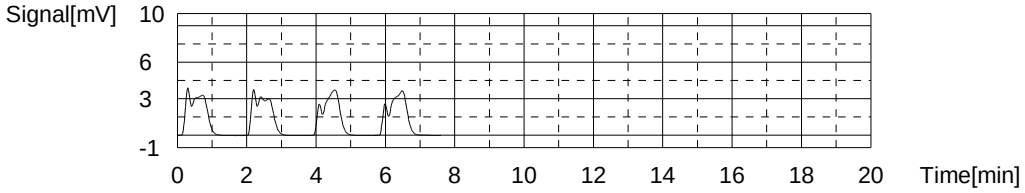
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.220mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.09	6.412mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:43:37 AM
2	12.60	6.154mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:45:41 AM
3	12.65	6.180mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:47:45 AM
4	12.93	6.328mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:49:48 AM

Mean Area 12.73
Mean Conc. 6.220mg/L



Sample

Sample Name: 680-102587-B-30
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

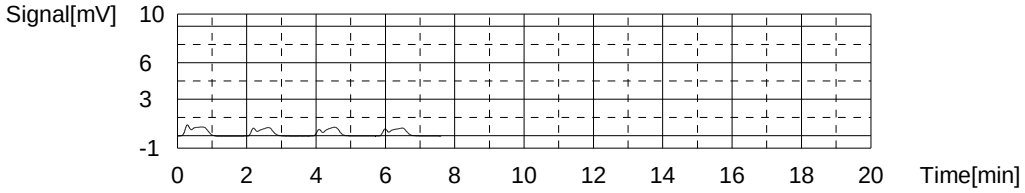
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7336mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.999	1.081mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:00:05 AM
2	2.392	0.7600mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:02:09 AM
3	2.292	0.7072mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:04:13 AM
4	2.342	0.7336mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:06:17 AM

Mean Area 2.342
Mean Conc. 0.7336mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

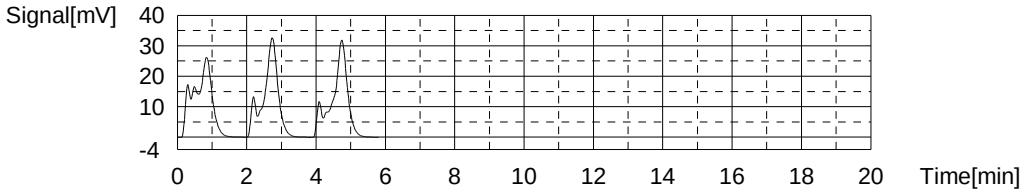
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.38mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	93.90	49.11mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:16:34 AM
2	94.06	49.19mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:18:38 AM
3	95.25	49.82mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:20:48 AM

Mean Area 94.40
Mean Conc. 49.38mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

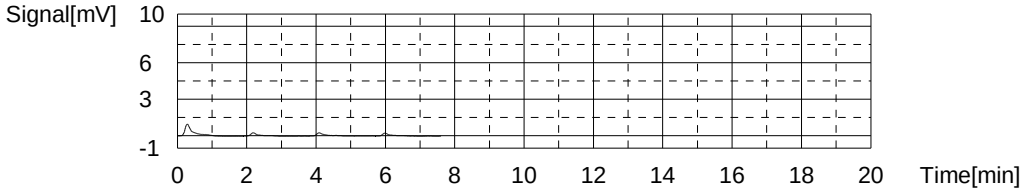
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3407mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.497	0.2871mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:31:06 AM
2	0.2860	-0.3528mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:33:10 AM
3	0.3637	-0.3117mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:35:13 AM
4	0.2769	-0.3576mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:37:17 AM

Mean Area 0.3089
Mean Conc. -0.3407mg/L



Sample

Sample Name: MB
Sample ID: 415.1
Origin: TOC415.1A.met
Status Completed
Chk. Result

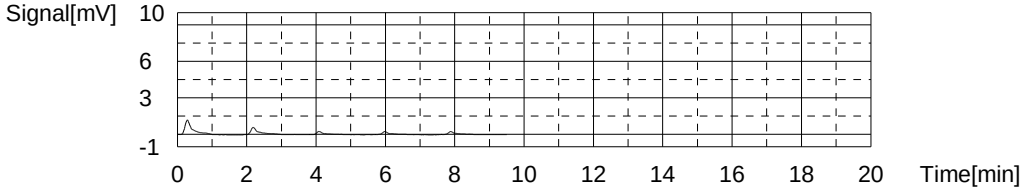
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3563mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.784	0.4387mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:47:33 AM
2	0.9464	-0.00382mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:49:38 AM
3	0.2821	-0.3548mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:51:42 AM
4	0.2699	-0.3613mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:53:45 AM
5	0.2861	-0.3527mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:55:49 AM

Mean Area 0.2794
Mean Conc. -0.3563mg/L



Sample

Sample Name: LCS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

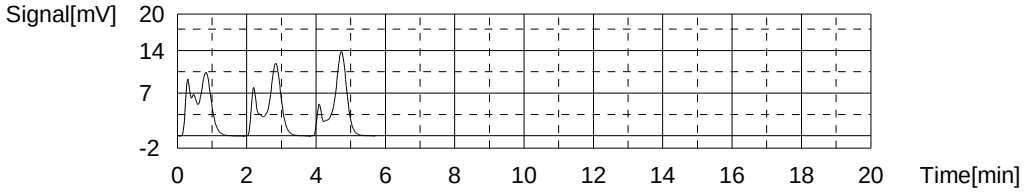
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.97mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	38.53	19.85mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:19:22 AM
2	38.82	20.01mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:21:26 AM
3	38.91	20.05mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:23:31 AM

Mean Area 38.75
Mean Conc. 19.97mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

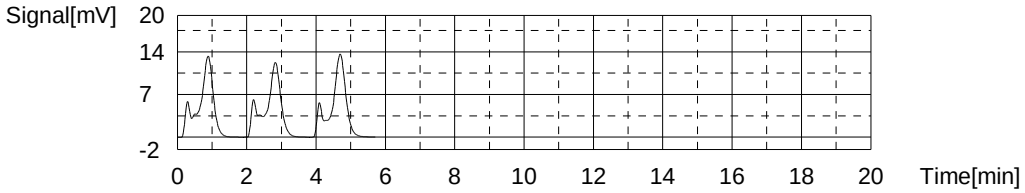
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.75mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	38.30	19.73mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:30:16 AM
2	37.86	19.50mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:32:20 AM
3	38.84	20.02mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:34:24 AM

Mean Area 38.33
Mean Conc. 19.75mg/L



Sample

Sample Name: 680-102587-D-32
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

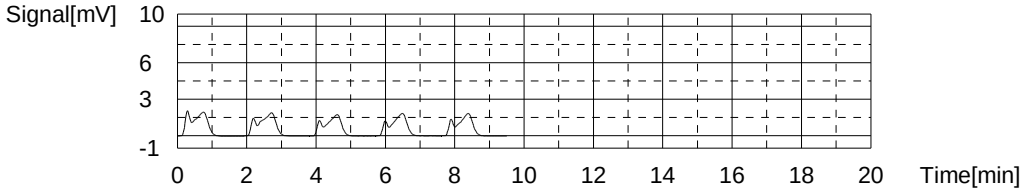
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.584mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.076	3.235mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:44:44 AM
2	6.634	3.001mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:46:48 AM
3	5.783	2.552mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:48:52 AM
4	5.885	2.606mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:50:56 AM
5	5.862	2.593mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:53:00 AM

Mean Area 5.843
Mean Conc. 2.584mg/L



Sample

Sample Name: 680-102587-C-33
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

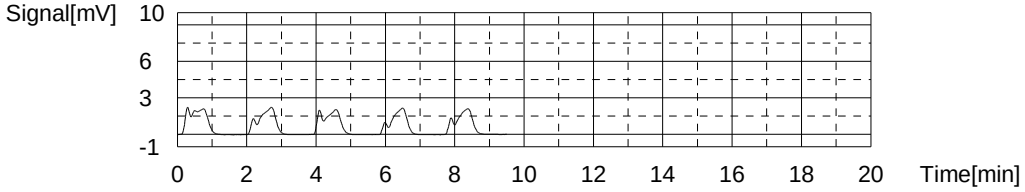
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.326mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.264	3.863mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:03:12 PM
2	7.457	3.436mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:05:15 PM
3	7.388	3.400mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:07:19 PM
4	6.677	3.024mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:09:24 PM
5	6.899	3.141mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:11:28 PM

Mean Area 7.248
Mean Conc. 3.326mg/L



Sample

Sample Name: 680-102587-D-34
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

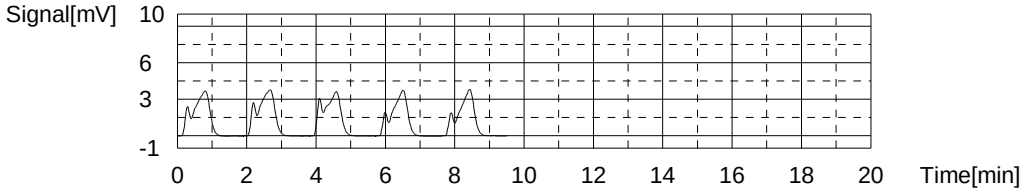
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.254mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.51	6.106mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:21:40 PM
2	13.04	6.386mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:23:44 PM
3	12.82	6.270mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:25:48 PM
4	11.67	5.662mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:27:52 PM
5	11.78	5.720mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:29:56 PM

Mean Area 12.79
Mean Conc. 6.254mg/L



Sample

Sample Name: 680-102587-B-36
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

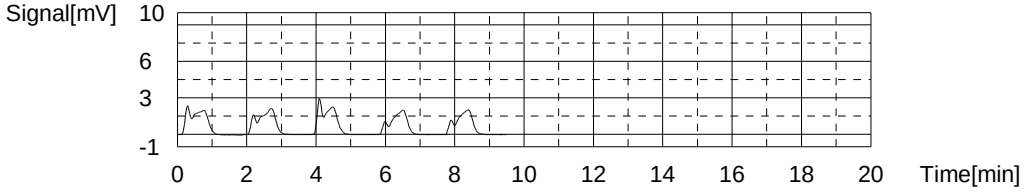
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.625mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.940	3.691mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:40:08 PM
2	7.440	3.427mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:42:11 PM
3	8.064	3.757mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:44:15 PM
4	6.458	2.908mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:46:19 PM
5	6.615	2.991mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:48:23 PM

Mean Area 7.815
Mean Conc. 3.625mg/L



Sample

Sample Name: 680-102587-B-37
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

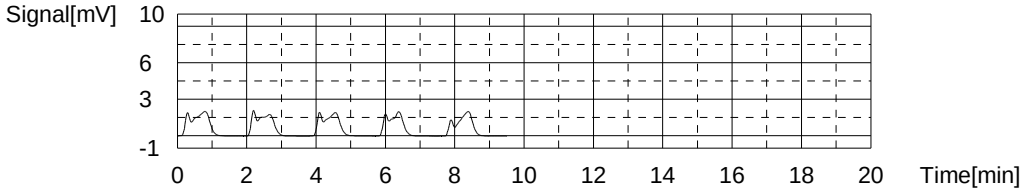
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.071mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.599	3.511mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 12:58:36 PM
2	7.055	3.224mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:00:40 PM
3	6.890	3.137mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:02:44 PM
4	6.179	2.761mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:04:48 PM
5	6.352	2.852mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:06:52 PM

Mean Area 6.766
Mean Conc. 3.071mg/L



Sample

Sample Name: 680-102587-D-37 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

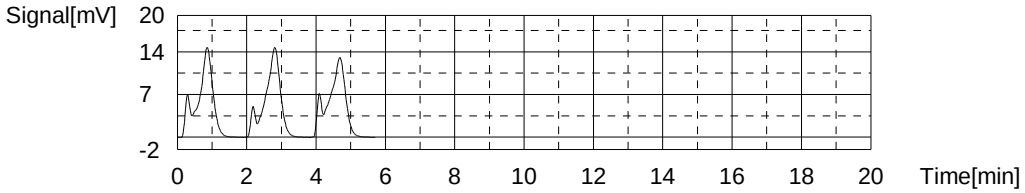
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.00mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	44.19	22.84mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:17:04 PM
2	44.64	23.08mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:19:08 PM
3	44.62	23.07mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:21:12 PM

Mean Area 44.48
Mean Conc. 23.00mg/L



Sample

Sample Name: 680-102587-D-37 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

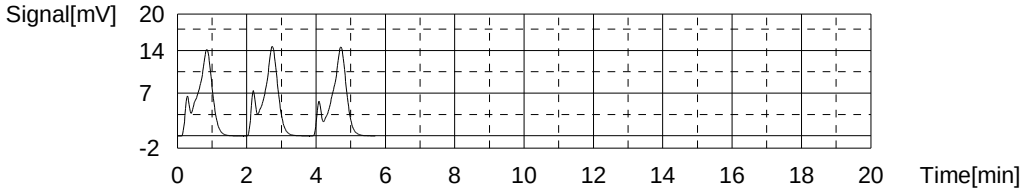
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:22.99mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	44.65	23.09mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:27:56 PM
2	44.67	23.10mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:30:00 PM
3	44.05	22.77mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:32:04 PM

Mean Area 44.46
Mean Conc. 22.99mg/L



Sample

Sample Name: 680-102587-B-38
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

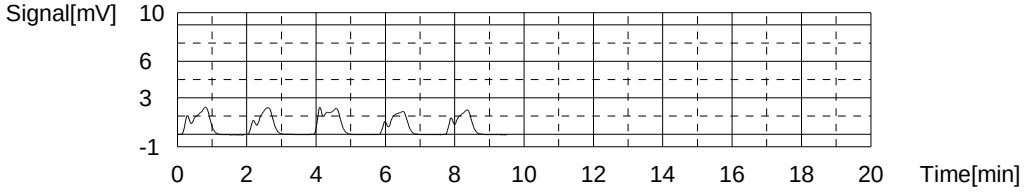
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.930mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.635	3.530mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:42:21 PM
2	6.475	2.917mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:44:25 PM
3	8.158	3.807mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:46:30 PM
4	6.514	2.938mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:48:34 PM
5	6.507	2.934mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 1:50:38 PM

Mean Area 6.499
Mean Conc. 2.930mg/L



Sample

Sample Name: 680-102587-D-39
Sample ID: X5 (A)
Origin: TOC415.1A.met
Status Completed
Chk. Result

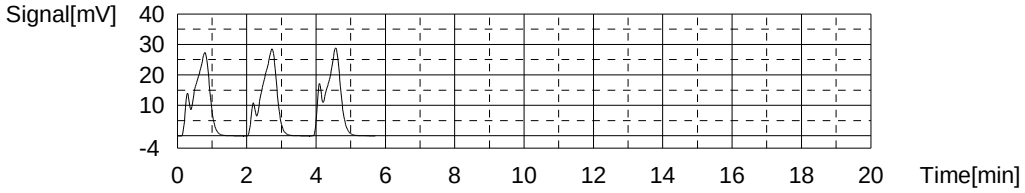
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:227.8mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.14	225.0mg/L	50uL	5		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:01:30 PM
2	86.96	227.2mg/L	50uL	5		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:03:34 PM
3	88.44	231.1mg/L	50uL	5		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:05:38 PM

Mean Area 87.18
Mean Conc. 227.8mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

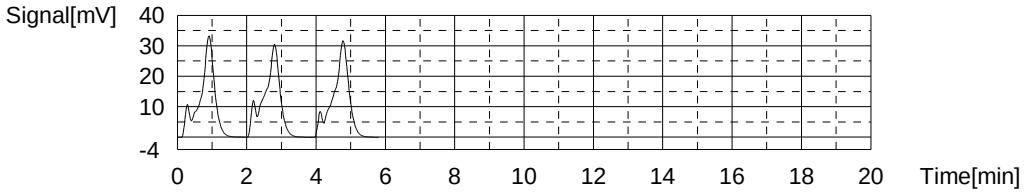
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.80mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	93.82	49.07mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:16:02 PM
2	95.34	49.87mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:18:08 PM
3	96.48	50.47mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:20:16 PM

Mean Area 95.21
Mean Conc. 49.80mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

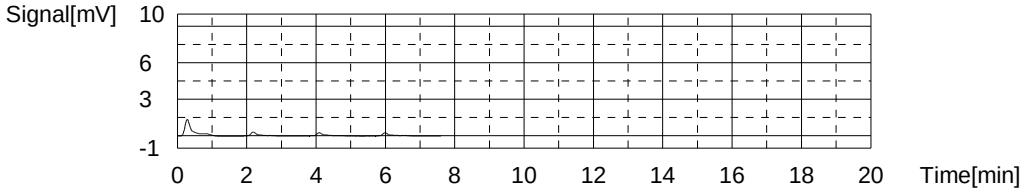
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3315mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.120	0.6163mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:30:34 PM
2	0.3737	-0.3064mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:32:38 PM
3	0.3025	-0.3440mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:34:42 PM
4	0.3027	-0.3439mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:36:46 PM

Mean Area 0.3263
Mean Conc. -0.3315mg/L



Sample

Sample Name: 640-48413-F-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

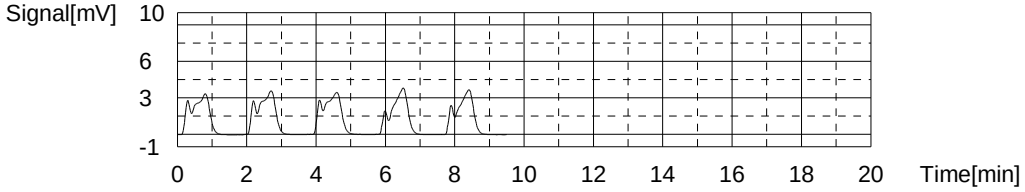
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.939mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.14	5.911mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:47:11 PM
2	12.82	6.270mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:49:16 PM
3	12.76	6.238mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:51:20 PM
4	12.15	5.916mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:53:24 PM
5	12.29	5.990mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 2:55:28 PM

Mean Area 12.19
Mean Conc. 5.939mg/L



Sample

Sample Name: 640-48413-F-1 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

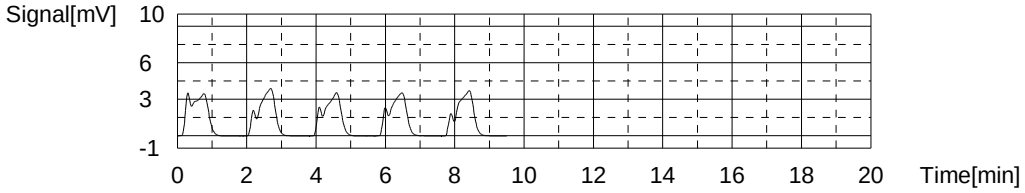
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.958mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.21	6.476mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:02:07 PM
2	12.77	6.243mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:04:11 PM
3	12.10	5.889mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:06:15 PM
4	12.10	5.889mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:08:19 PM
5	12.49	6.095mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:10:23 PM

Mean Area 12.23
Mean Conc. 5.958mg/L



Sample

Sample Name: 640-48413-G-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

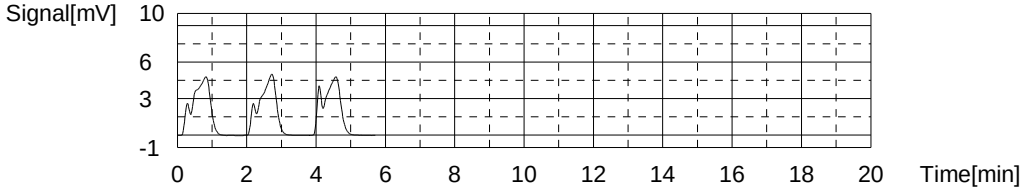
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.353mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.84	8.394mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:20:36 PM
2	16.56	8.246mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:22:40 PM
3	16.89	8.420mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:24:44 PM

Mean Area 16.76
Mean Conc. 8.353mg/L



Sample

Sample Name: 640-48413-F-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

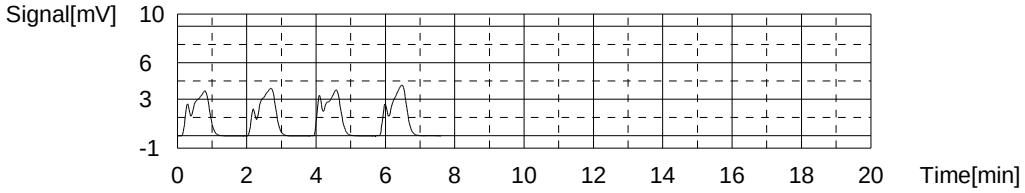
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.671mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.98	6.354mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:35:03 PM
2	13.46	6.608mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:37:07 PM
3	13.57	6.666mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:39:11 PM
4	13.71	6.740mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:41:16 PM

Mean Area 13.58
Mean Conc. 6.671mg/L



Sample

Sample Name: 660-61508-I-1
Sample ID: pH
Origin: TOC415.1A.met
Status Completed
Chk. Result

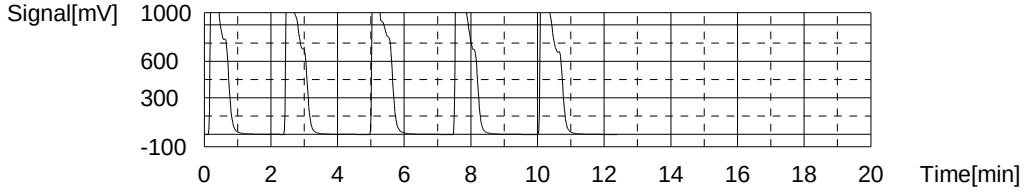
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2128mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3659	1933mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:51:56 PM
2	3995	2110mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:55:11 PM
3	4007	2117mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 3:58:25 PM
4	4217	2228mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:01:37 PM
5	4084	2157mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:04:50 PM

Mean Area 4029
Mean Conc. 2128mg/L



Sample

Sample Name: 660-61508-H-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

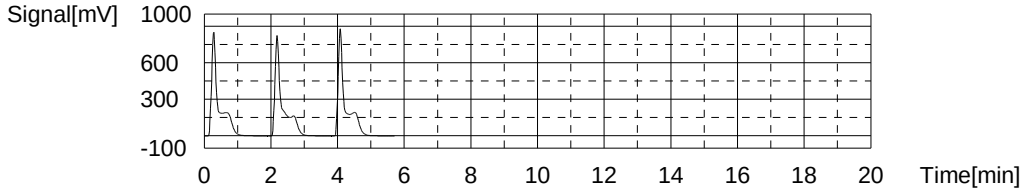
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:677.4mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1268	669.5mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:15:01 PM
2	1275	673.2mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:17:05 PM
3	1306	689.5mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:19:11 PM

Mean Area 1283
Mean Conc. 677.4mg/L



Sample

Sample Name: 660-61508-H-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

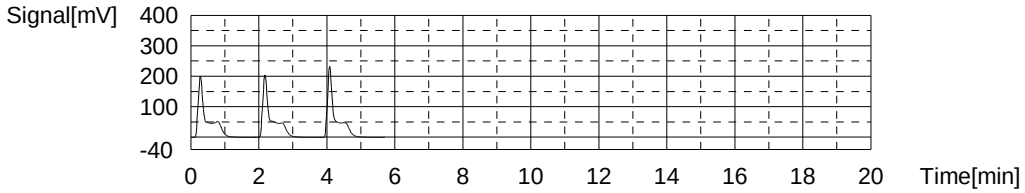
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:183.8mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	343.1	180.8mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:29:33 PM
2	347.0	182.8mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:31:37 PM
3	356.2	187.7mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:33:41 PM

Mean Area 348.8
Mean Conc. 183.8mg/L



Sample

Sample Name: 660-61508-I-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

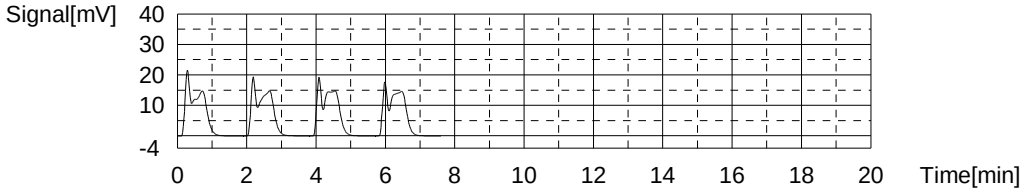
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:31.00mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	59.15	30.75mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:44:01 PM
2	59.39	30.88mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:46:05 PM
3	61.35	31.91mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:48:09 PM
4	60.35	31.38mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 4:50:14 PM

Mean Area 59.63
Mean Conc. 31.00mg/L



Sample

Sample Name: 660-61508-I-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

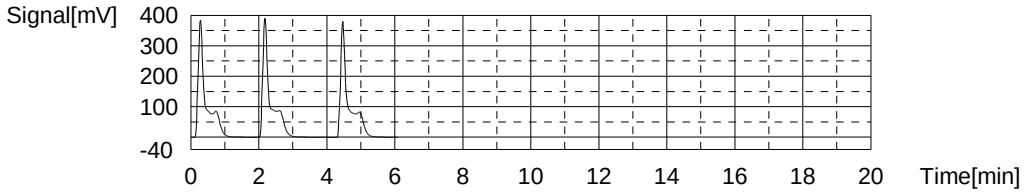
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:320.0mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	600.5	316.8mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:00:31 PM
2	611.2	322.4mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:02:58 PM
3	608.3	320.9mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:05:03 PM

Mean Area 606.7
Mean Conc. 320.0mg/L



Sample

Sample Name: 660-61508-H-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

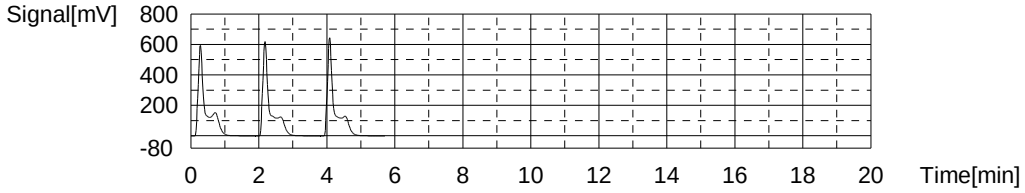
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:491.8mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	920.6	485.9mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:15:21 PM
2	931.4	491.6mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:17:25 PM
3	943.0	497.7mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:19:30 PM

Mean Area 931.7
Mean Conc. 491.8mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

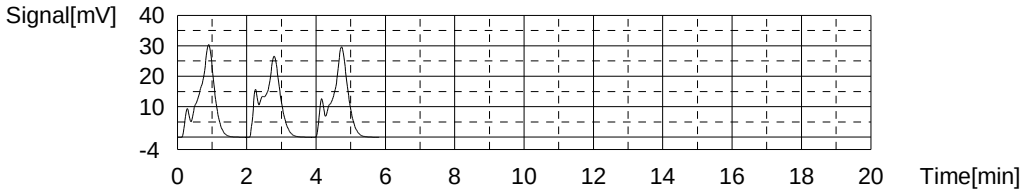
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.37mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	94.51	49.43mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:29:53 PM
2	93.55	48.92mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:31:59 PM
3	95.13	49.76mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:34:06 PM

Mean Area 94.40
Mean Conc. 49.37mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

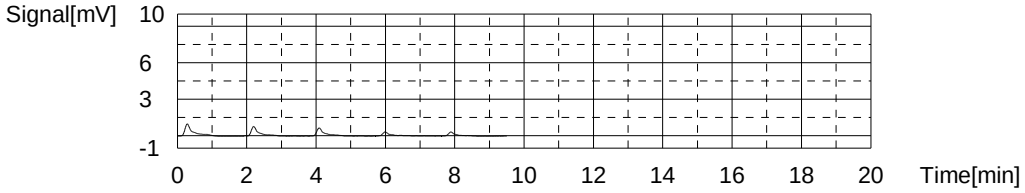
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1578mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.629	0.3568mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:44:27 PM
2	1.144	0.1006mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:46:31 PM
3	0.9840	0.01605mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:48:36 PM
4	0.3815	-0.3023mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:50:40 PM
5	0.3764	-0.3050mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 5:52:45 PM

Mean Area 1.252
Mean Conc. 0.1578mg/L



Sample

Sample Name: MB
Sample ID: 415.1
Origin: TOC415.1A.met
Status Completed
Chk. Result

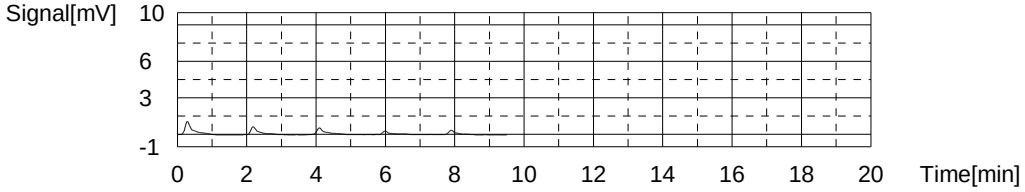
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.1753mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.658	0.3722mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:03:10 PM
2	1.027	0.03877mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:05:14 PM
3	0.9307	-0.01211mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:07:19 PM
4	0.4854	-0.2474mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:09:24 PM
5	0.4493	-0.2665mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:11:29 PM

Mean Area 0.6218
Mean Conc. -0.1753mg/L



Sample

Sample Name: LCS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

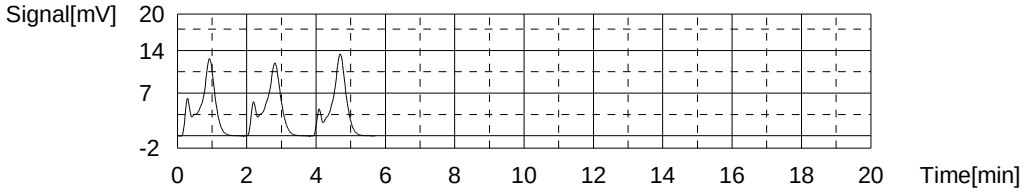
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.10mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	39.08	20.14mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:21:45 PM
2	39.05	20.13mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:23:49 PM
3	38.84	20.02mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:25:54 PM

Mean Area 38.99
Mean Conc. 20.10mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

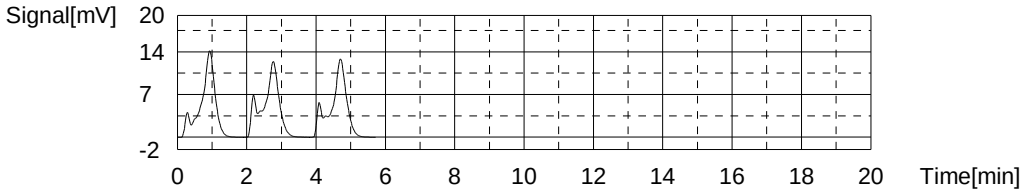
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.29mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	39.33	20.28mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:32:39 PM
2	39.59	20.41mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:34:44 PM
3	39.12	20.17mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:36:49 PM

Mean Area 39.35
Mean Conc. 20.29mg/L



Sample

Sample Name: 680-102592-G-27
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

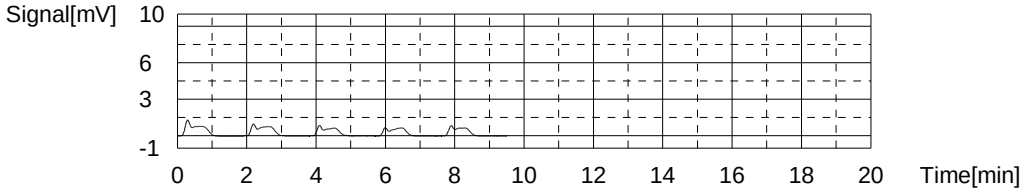
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8334mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.637	1.418mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:47:10 PM
2	3.202	1.188mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:49:14 PM
3	2.489	0.8112mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:51:18 PM
4	2.522	0.8287mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:53:22 PM
5	2.582	0.8604mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 6:55:27 PM

Mean Area 2.531
Mean Conc. 0.8334mg/L



Sample

Sample Name: 680-102592-G-27 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

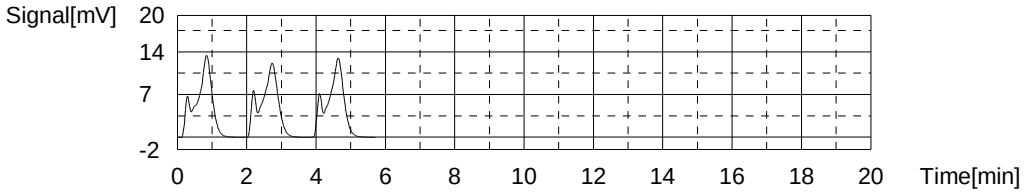
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.58mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.66	21.51mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:05:39 PM
2	41.87	21.62mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:07:43 PM
3	41.85	21.61mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:09:47 PM

Mean Area 41.79
Mean Conc. 21.58mg/L



Sample

Sample Name: 680-102592-F-27 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

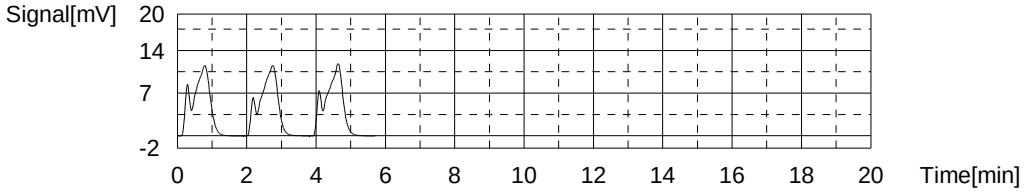
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.89mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	40.40	20.84mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:20:07 PM
2	40.56	20.93mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:22:11 PM
3	40.49	20.89mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:24:15 PM

Mean Area 40.48
Mean Conc. 20.89mg/L



Sample

Sample Name: 680-102629-F-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

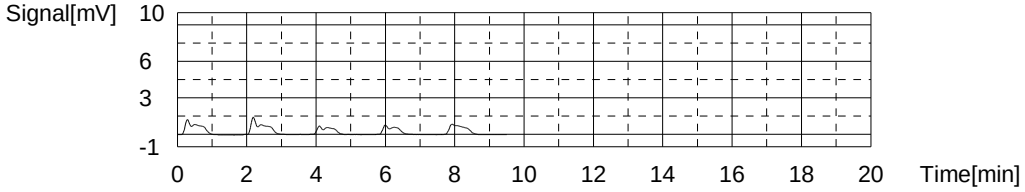
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6279mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.237	1.206mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:34:34 PM
2	3.306	1.243mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:36:39 PM
3	1.911	0.5058mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:38:44 PM
4	1.950	0.5265mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:40:48 PM
5	2.565	0.8514mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:42:52 PM

Mean Area 2.142
Mean Conc. 0.6279mg/L



Sample

Sample Name: 680-102629-D-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

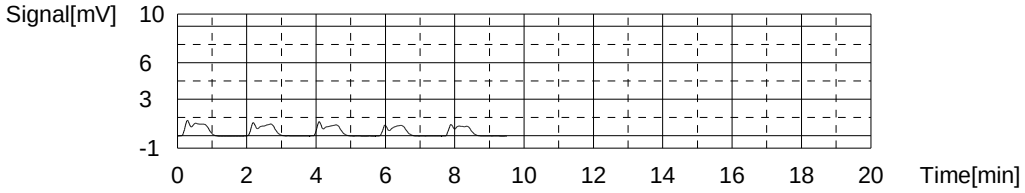
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.600mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.321	1.779mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:53:05 PM
2	3.866	1.539mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:55:09 PM
3	3.759	1.482mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:57:13 PM
4	3.233	1.204mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 7:59:17 PM
5	3.243	1.210mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:01:21 PM

Mean Area 3.982
Mean Conc. 1.600mg/L



Sample

Sample Name: 680-102629-F-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

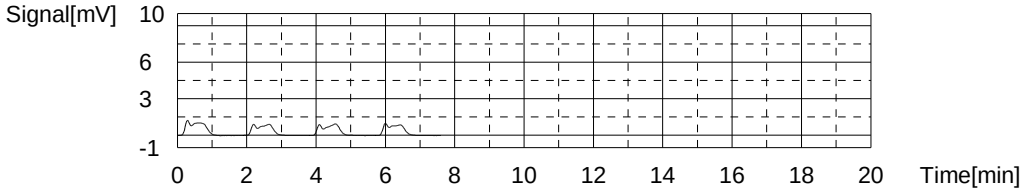
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.231mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.058	1.640mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:11:34 PM
2	3.237	1.206mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:13:39 PM
3	3.280	1.229mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:15:44 PM
4	3.335	1.258mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:17:48 PM

Mean Area 3.284
Mean Conc. 1.231mg/L



Sample

Sample Name: 680-102629-E-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

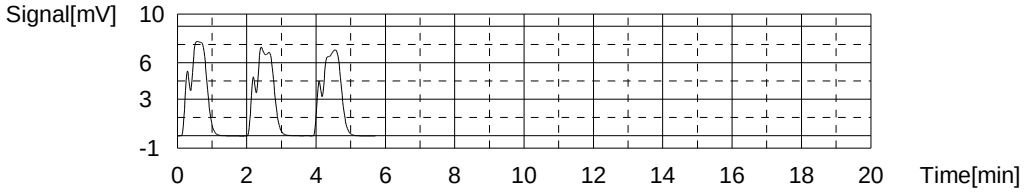
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:13.36mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	26.42	13.46mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:28:07 PM
2	25.76	13.11mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:30:11 PM
3	26.52	13.51mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:32:15 PM

Mean Area 26.23
Mean Conc. 13.36mg/L



Sample

Sample Name: 680-102629-E-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

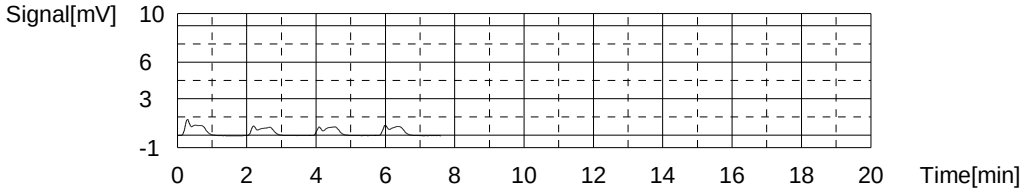
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8709mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.427	1.307mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:42:35 PM
2	2.590	0.8646mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:44:39 PM
3	2.551	0.8440mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:46:43 PM
4	2.665	0.9042mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:48:48 PM

Mean Area 2.602
Mean Conc. 0.8709mg/L



Sample

Sample Name: 680-102629-E-11
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

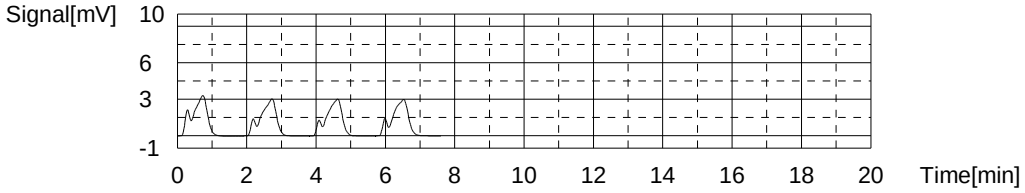
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.516mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.06	4.812mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 8:59:05 PM
2	9.485	4.508mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:01:09 PM
3	9.502	4.517mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:03:13 PM
4	9.513	4.522mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:05:17 PM

Mean Area 9.500
Mean Conc. 4.516mg/L



Sample

Sample Name: 680-102629-E-12
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

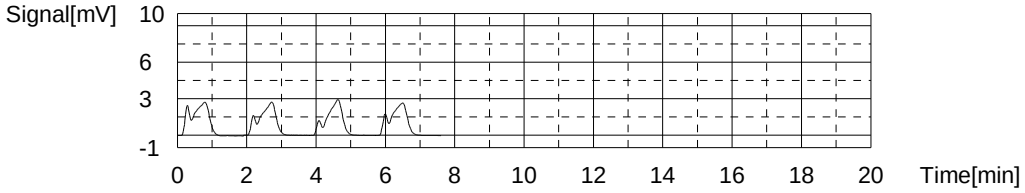
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.216mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.917	4.736mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:15:34 PM
2	8.890	4.193mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:17:39 PM
3	8.950	4.225mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:19:43 PM
4	8.957	4.229mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:21:48 PM

Mean Area 8.932
Mean Conc. 4.216mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

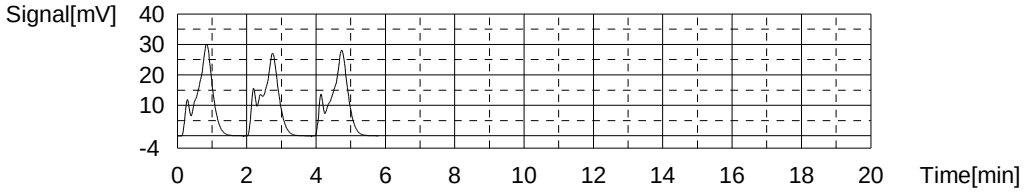
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.25mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	94.12	49.23mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:32:07 PM
2	93.77	49.04mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:34:14 PM
3	94.61	49.48mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:36:21 PM

Mean Area 94.17
Mean Conc. 49.25mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

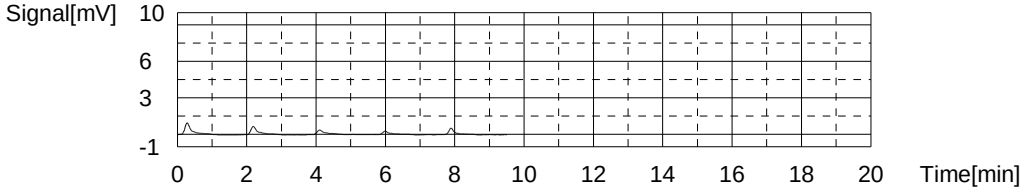
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.2268mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.359	0.2142mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:46:41 PM
2	1.031	0.04088mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:48:45 PM
3	0.6495	-0.1607mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:50:50 PM
4	0.3454	-0.3214mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:52:54 PM
5	0.5782	-0.1984mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 9:54:58 PM

Mean Area 0.5244
Mean Conc. -0.2268mg/L



Sample

Sample Name: 680-102629-D-13
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

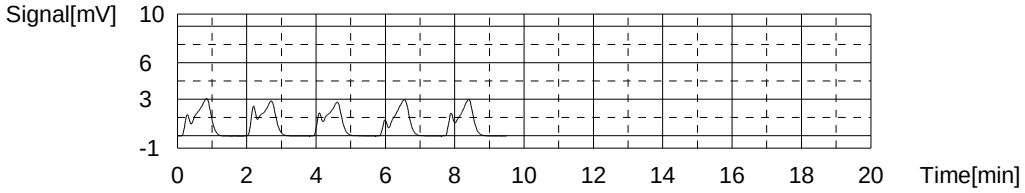
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.407mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.12	4.843mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 10:05:25 PM
2	10.08	4.822mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 10:07:29 PM
3	9.228	4.372mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 10:09:33 PM
4	9.288	4.404mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 10:11:37 PM
5	9.370	4.447mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 10:13:41 PM

Mean Area 9.295
Mean Conc. 4.407mg/L



Sample

Sample Name: 680-102629-E-13 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

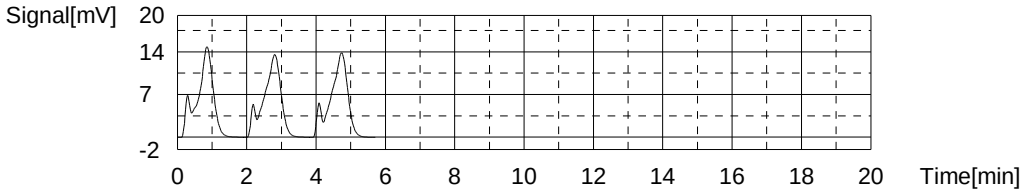
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.45mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	47.08	24.37mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 10:23:54 PM
2	46.72	24.18mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 10:25:59 PM
3	47.86	24.78mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 10:28:04 PM

Mean Area 47.22
Mean Conc. 24.45mg/L



Sample

Sample Name: 680-102629-C-13 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

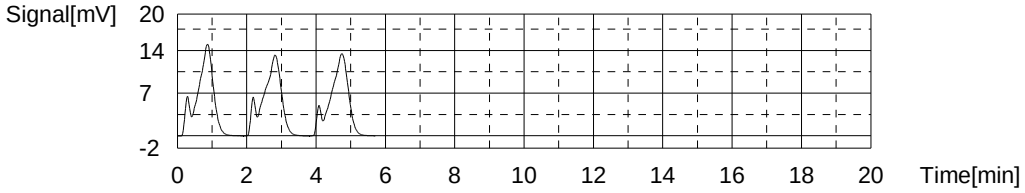
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.91mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	48.47	25.11mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 10:34:49 PM
2	48.00	24.86mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 10:36:53 PM
3	47.84	24.77mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 10:38:57 PM

Mean Area 48.10
Mean Conc. 24.91mg/L



Sample

Sample Name: 680-102629-E-14
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

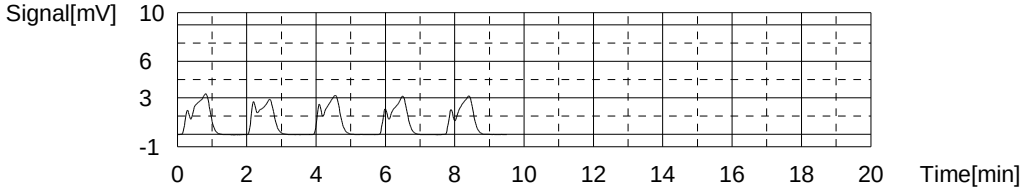
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.030mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.51	5.578mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 10:49:19 PM
2	10.36	4.970mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 10:51:23 PM
3	10.81	5.208mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 10:53:27 PM
4	10.53	5.060mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 10:55:31 PM
5	10.53	5.060mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 10:57:36 PM

Mean Area 10.47
Mean Conc. 5.030mg/L



Sample

Sample Name: 680-102629-D-15
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

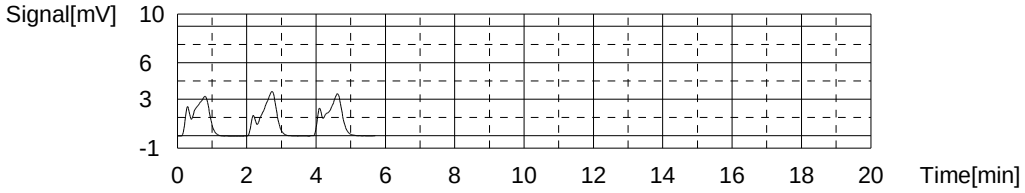
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.435mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.34	5.488mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:07:48 PM
2	11.09	5.356mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:09:53 PM
3	11.29	5.461mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:11:57 PM

Mean Area 11.24
Mean Conc. 5.435mg/L



Sample

Sample Name: 680-102629-F-16
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

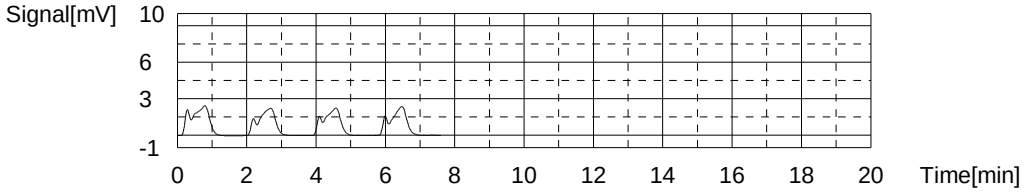
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.545mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.086	4.297mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:22:17 PM
2	7.632	3.529mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:24:21 PM
3	7.669	3.548mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:26:25 PM
4	7.690	3.559mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:28:29 PM

Mean Area 7.664
Mean Conc. 3.545mg/L



Sample

Sample Name: 680-102629-E-17
Sample ID: X5 (A)
Origin: TOC415.1A.met
Status Completed
Chk. Result

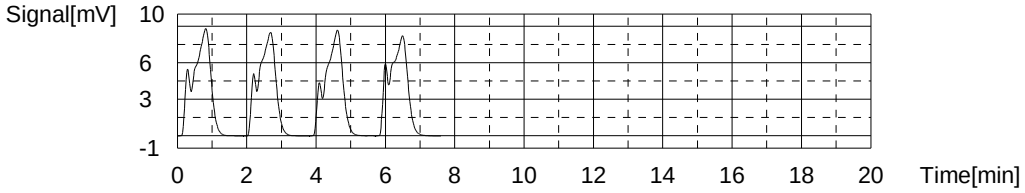
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:76.39mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	31.22	79.96mg/L	50uL	5	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:39:29 PM
2	29.73	76.02mg/L	50uL	5		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:41:34 PM
3	29.86	76.37mg/L	50uL	5		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:43:38 PM
4	30.02	76.79mg/L	50uL	5		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:45:42 PM

Mean Area 29.87
Mean Conc. 76.39mg/L



Sample

Sample Name: 680-102629-D-18
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

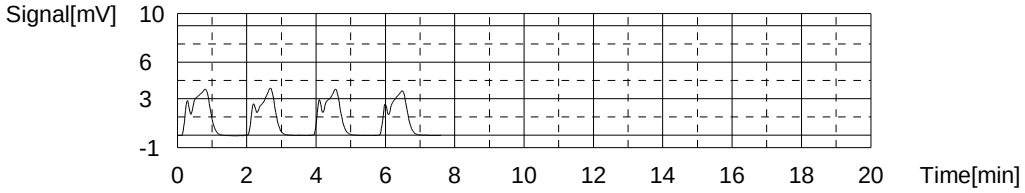
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.381mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	14.42	7.115mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:56:02 PM
2	13.01	6.370mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/9/2014 11:58:06 PM
3	13.10	6.418mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 12:00:10 AM
4	12.98	6.354mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 12:02:14 AM

Mean Area 13.03
Mean Conc. 6.381mg/L



Sample

Sample Name: 680-102629-D-18 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

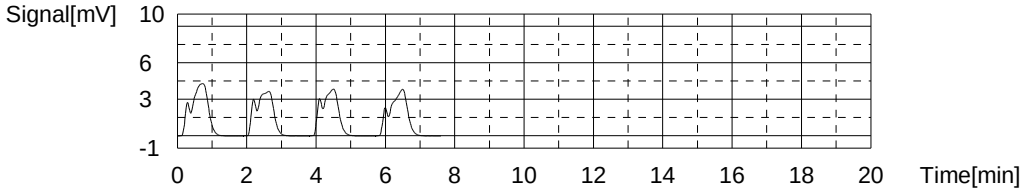
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.476mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	14.73	7.279mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 12:08:57 AM
2	13.27	6.508mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 12:11:01 AM
3	13.13	6.434mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 12:13:06 AM
4	13.23	6.486mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 12:15:10 AM

Mean Area 13.21
Mean Conc. 6.476mg/L



Sample

Sample Name: 680-102629-F-19
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

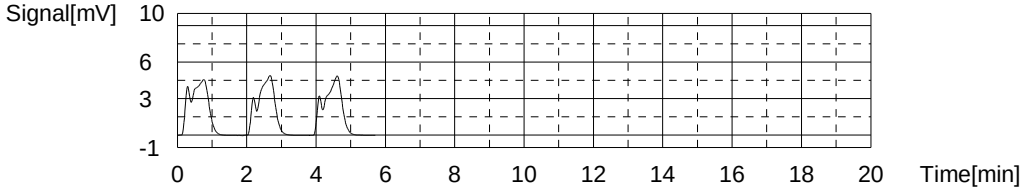
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.512mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.39	8.684mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 12:25:26 AM
2	16.80	8.373mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 12:27:30 AM
3	17.00	8.478mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 12:29:34 AM

Mean Area 17.06
Mean Conc. 8.512mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

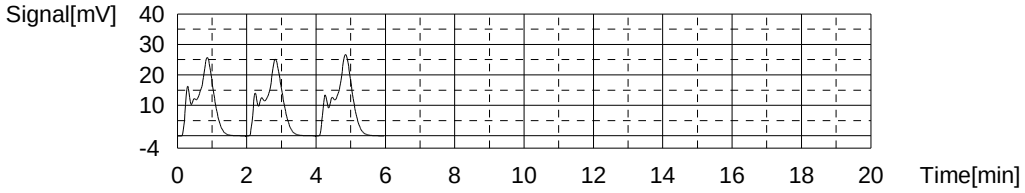
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.44mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	93.88	49.10mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 12:39:53 AM
2	93.52	48.91mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 12:42:04 AM
3	96.16	50.30mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 12:44:13 AM

Mean Area 94.52
Mean Conc. 49.44mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

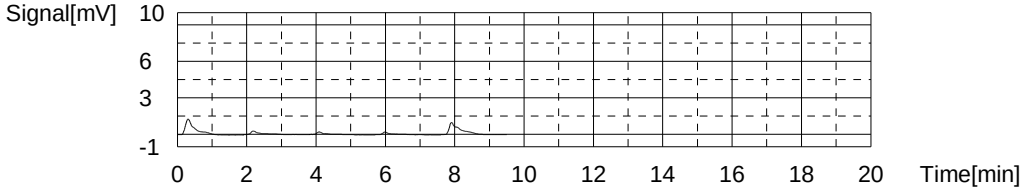
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3267mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.293	0.7077mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 12:54:31 AM
2	0.5168	-0.2308mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 12:56:35 AM
3	0.2419	-0.3761mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 12:58:39 AM
4	0.2472	-0.3733mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 1:00:43 AM
5	2.090	0.6004mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 1:02:47 AM

Mean Area 0.3353
Mean Conc. -0.3267mg/L



Sample

Sample Name: 680-102629-F-20
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

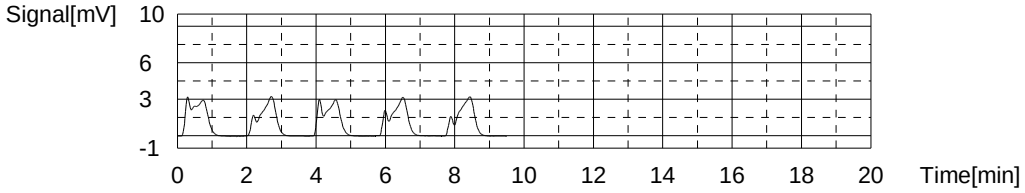
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.079mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.29	5.461mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 1:12:57 AM
2	10.23	4.901mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 1:15:01 AM
3	10.71	5.155mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 1:17:06 AM
4	10.41	4.996mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 1:19:10 AM
5	10.58	5.086mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 1:21:14 AM

Mean Area 10.57
Mean Conc. 5.079mg/L



Sample

Sample Name: 680-102629-E-22
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

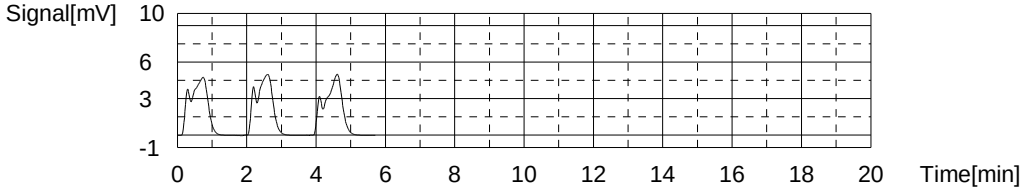
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.459mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.02	8.489mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 1:31:25 AM
2	16.91	8.431mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 1:33:29 AM
3	16.96	8.457mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 1:35:33 AM

Mean Area 16.96
Mean Conc. 8.459mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

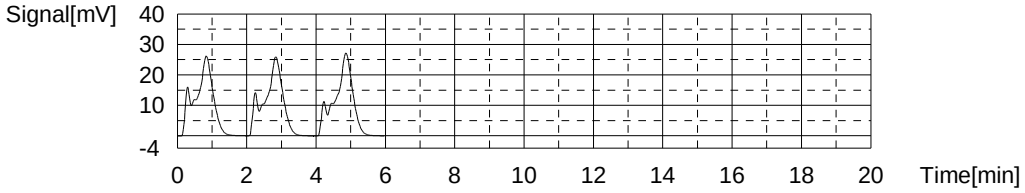
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.46mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	93.68	48.99mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 1:46:08 AM
2	94.06	49.19mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 1:48:17 AM
3	95.93	50.18mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 1:50:29 AM

Mean Area 94.56
Mean Conc. 49.46mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

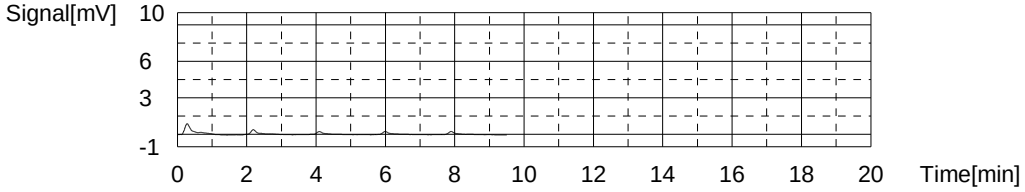
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3537mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.523	0.3008mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 2:00:46 AM
2	0.4730	-0.2539mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 2:02:50 AM
3	0.2671	-0.3627mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 2:04:54 AM
4	0.2952	-0.3479mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 2:06:58 AM
5	0.2905	-0.3504mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 2:09:02 AM

Mean Area 0.2843
Mean Conc. -0.3537mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

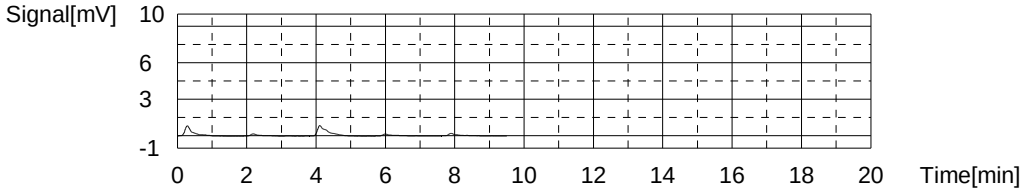
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3878mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.241	0.1518mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 2:19:14 AM
2	0.2063	-0.3949mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 2:21:18 AM
3	1.751	0.4213mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 2:23:22 AM
4	0.2078	-0.3941mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 2:25:26 AM
5	0.2447	-0.3746mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 2:27:30 AM

Mean Area 0.2196
Mean Conc. -0.3878mg/L



Sample

Sample Name: LCS
Sample ID: 415
Origin: TOC415.1A.met
Status Completed
Chk. Result

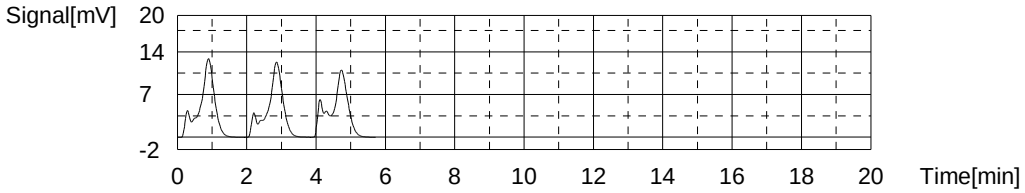
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.32mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.84	19.49mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 2:37:43 AM
2	37.13	19.11mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 2:39:47 AM
3	37.61	19.37mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 2:41:51 AM

Mean Area 37.53
Mean Conc. 19.32mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

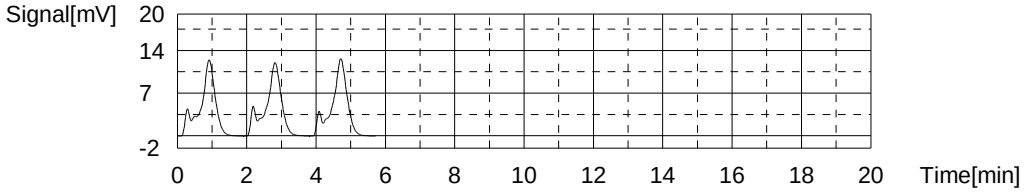
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.25mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.92	19.00mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 2:48:35 AM
2	37.35	19.23mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 2:50:39 AM
3	37.89	19.52mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 2:52:44 AM

Mean Area 37.39
Mean Conc. 19.25mg/L



Sample

Sample Name: 680-102672-B-6
Sample ID: pH, sed, x100 (M)
Origin: TOC415.1A.met
Status Completed
Chk. Result

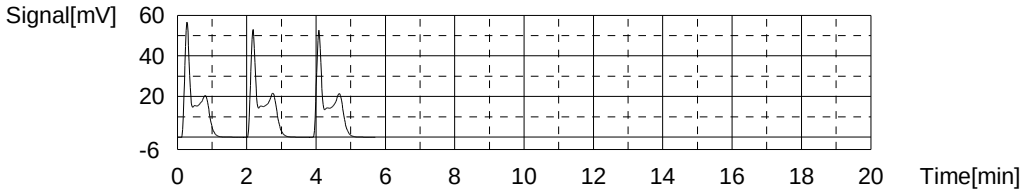
Type	Anal.	Dil.	Result
Unknown	NPOC	100.0	NPOC:5910mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.0	5814mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 3:03:00 AM
2	114.3	5989mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 3:05:04 AM
3	113.1	5925mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 3:07:08 AM

Mean Area 112.8
Mean Conc. 5910mg/L



Sample

Sample Name: 680-102672-C-7
Sample ID: sed, x50 (M)
Origin: TOC415.1A.met
Status Completed
Chk. Result

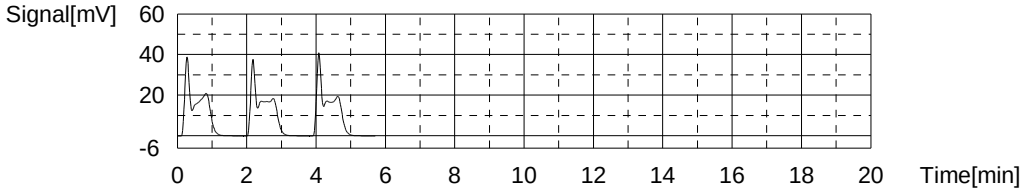
Type	Anal.	Dil.	Result
Unknown	NPOC	50.00	NPOC:2571mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	98.35	2573mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 3:17:25 AM
2	97.93	2562mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 3:19:29 AM
3	98.56	2579mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 3:21:33 AM

Mean Area 98.28
Mean Conc. 2571mg/L



Sample

Sample Name: 680-102672-C-7 MS
Sample ID: x50 (M)
Origin: TOC415.1A.met
Status Completed
Chk. Result

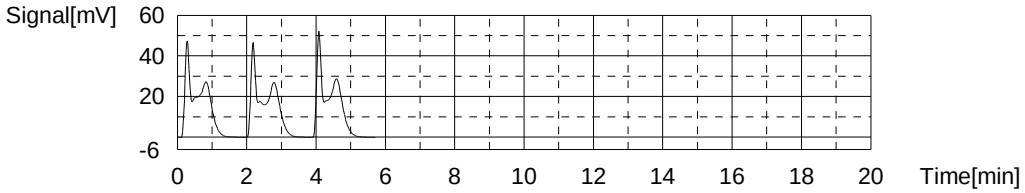
Type	Anal.	Dil.	Result
Unknown	NPOC	50.00	NPOC:3482mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	131.1	3438mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 3:31:50 AM
2	132.5	3475mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 3:33:54 AM
3	134.7	3533mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 3:35:58 AM

Mean Area 132.8
Mean Conc. 3482mg/L



Sample

Sample Name: 680-102672-C-7 MSD
Sample ID: x50 (M)
Origin: TOC415.1A.met
Status Completed
Chk. Result

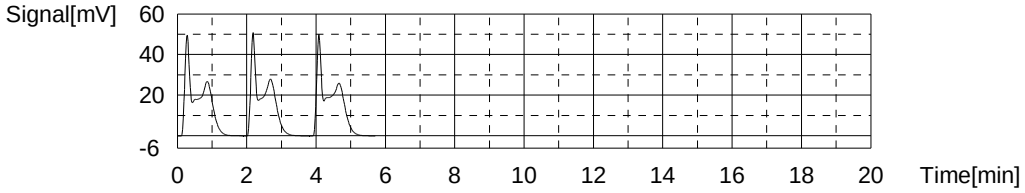
Type	Anal.	Dil.	Result
Unknown	NPOC	50.00	NPOC:3492mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	133.7	3507mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 3:42:44 AM
2	130.8	3430mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 3:44:48 AM
3	134.9	3539mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 3:46:52 AM

Mean Area 133.1
Mean Conc. 3492mg/L



Sample

Sample Name: 680-102672-C-8
Sample ID: sed, x5 (M)
Origin: TOC415.1A.met
Status Completed
Chk. Result

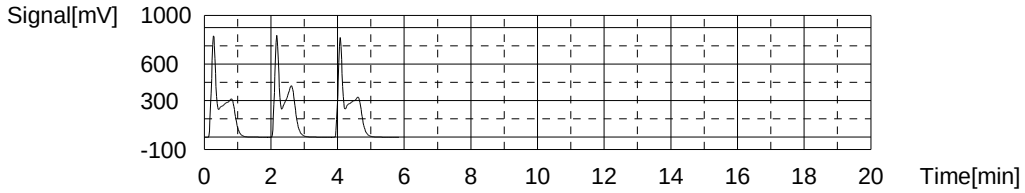
Type	Anal.	Dil.	Result
Unknown	NPOC	5.000	NPOC:4505mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1689	4460mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 3:57:11 AM
2	1713	4523mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 3:59:28 AM
3	1717	4534mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 4:01:50 AM

Mean Area 1706
Mean Conc. 4505mg/L



Sample

Sample Name: 680-102672-G-14
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

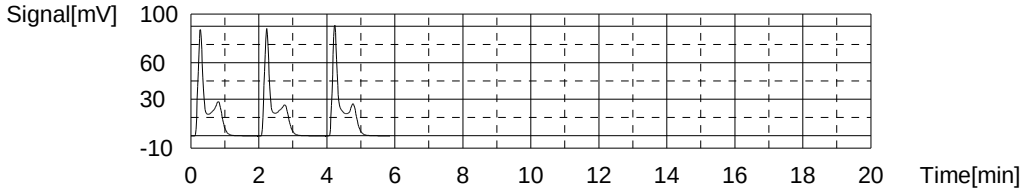
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:82.40mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	156.3	82.08mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 4:12:09 AM
2	157.2	82.56mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 4:14:19 AM
3	157.2	82.56mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 4:16:23 AM

Mean Area 156.9
Mean Conc. 82.40mg/L



Sample

Sample Name: 680-102672-G-17
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

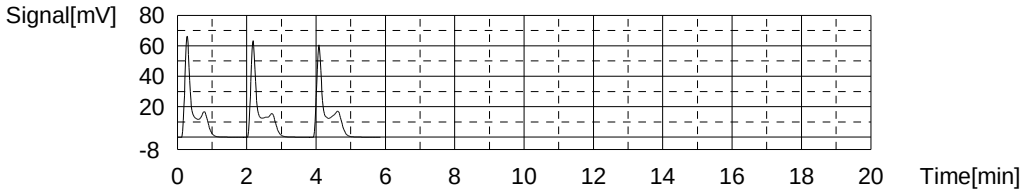
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:56.15mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	105.9	55.45mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 4:26:39 AM
2	107.3	56.19mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 4:28:43 AM
3	108.5	56.82mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 4:30:56 AM

Mean Area 107.2
Mean Conc. 56.15mg/L



Sample

Sample Name: 680-102672-E-20
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

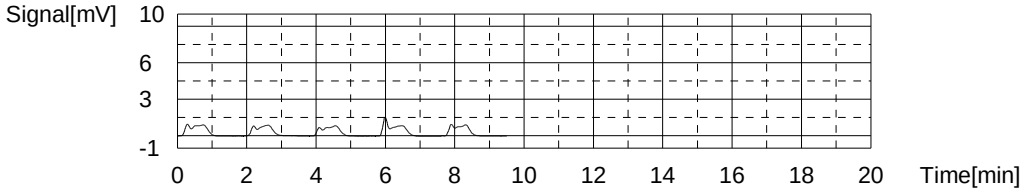
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.102mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.454	1.321mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 4:41:12 AM
2	3.021	1.092mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 4:43:16 AM
3	3.024	1.094mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 4:45:20 AM
4	3.874	1.543mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 4:47:24 AM
5	3.074	1.120mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 4:49:28 AM

Mean Area 3.040
Mean Conc. 1.102mg/L



Sample

Sample Name: 680-102672-G-40
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

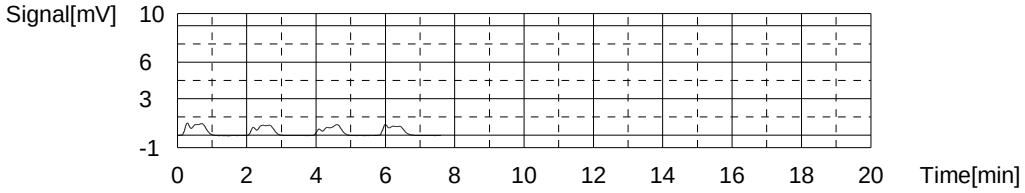
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.065mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.393	1.289mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 4:59:37 AM
2	3.020	1.092mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 5:01:41 AM
3	2.973	1.067mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 5:03:45 AM
4	2.912	1.035mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 5:05:49 AM

Mean Area 2.968
Mean Conc. 1.065mg/L



Sample

Sample Name: 680-102672-F-42
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

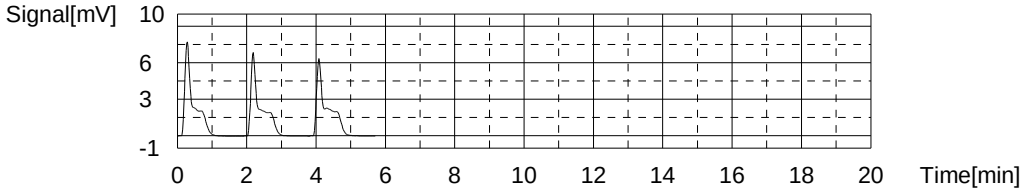
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.340mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.18	6.460mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 5:16:03 AM
2	12.72	6.217mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 5:18:08 AM
3	12.96	6.344mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 5:20:12 AM

Mean Area 12.95
Mean Conc. 6.340mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

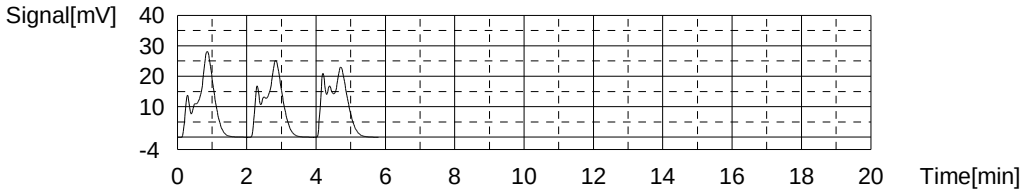
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.33mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	94.30	49.32mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 5:30:35 AM
2	93.21	48.75mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 5:32:39 AM
3	95.42	49.91mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 5:34:44 AM

Mean Area 94.31
Mean Conc. 49.33mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

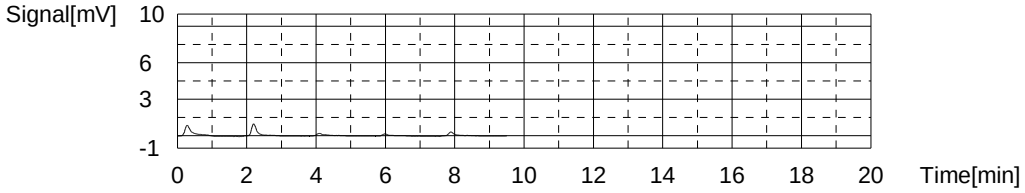
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3524mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.311	0.1888mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 5:45:01 AM
2	1.040	0.04564mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 5:47:05 AM
3	0.2879	-0.3517mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 5:49:09 AM
4	0.2182	-0.3886mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 5:51:13 AM
5	0.3539	-0.3169mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 5:53:17 AM

Mean Area 0.2867
Mean Conc. -0.3524mg/L



Sample

Sample Name: 680-102672-G-43
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

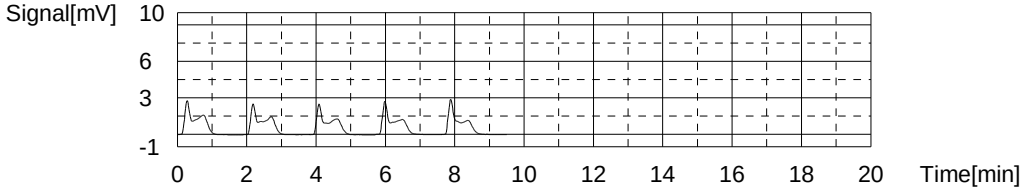
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.766mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.786	3.082mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 6:03:27 AM
2	6.412	2.884mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 6:05:31 AM
3	6.173	2.758mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 6:07:35 AM
4	6.165	2.754mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 6:09:39 AM
5	6.228	2.787mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 6:11:42 AM

Mean Area 6.189
Mean Conc. 2.766mg/L



Sample

Sample Name: 680-102672-G-43 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

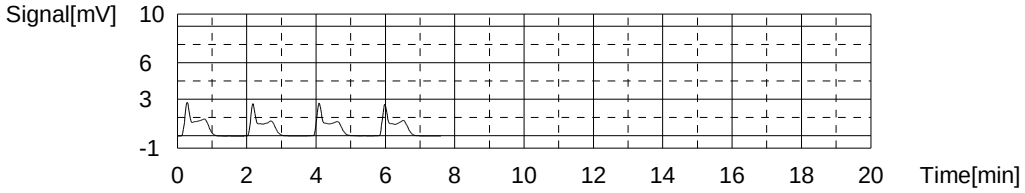
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.746mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.665	3.018mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 6:18:20 AM
2	6.067	2.702mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 6:20:24 AM
3	6.210	2.777mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 6:22:28 AM
4	6.175	2.759mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 6:24:32 AM

Mean Area 6.151
Mean Conc. 2.746mg/L



Sample

Sample Name: 680-102672-E-44
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

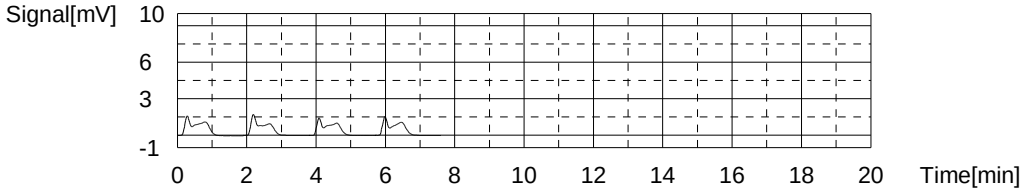
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.758mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.777	2.020mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 6:34:47 AM
2	4.319	1.778mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 6:36:51 AM
3	4.261	1.748mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 6:38:55 AM
4	4.261	1.748mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 6:40:59 AM

Mean Area 4.280
Mean Conc. 1.758mg/L



Sample

Sample Name: 680-102672-E-48
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

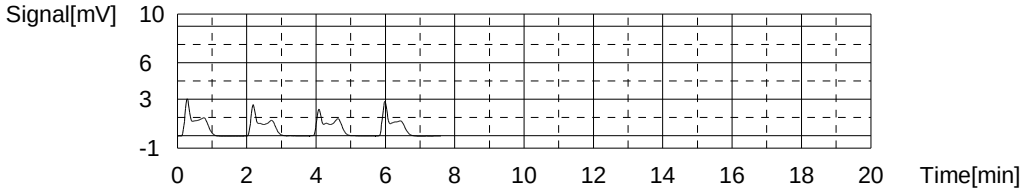
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.711mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.109	3.252mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 6:51:13 AM
2	6.088	2.713mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 6:53:17 AM
3	6.041	2.688mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 6:55:21 AM
4	6.127	2.733mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 6:57:25 AM

Mean Area 6.085
Mean Conc. 2.711mg/L



Sample

Sample Name: 680-102900-M-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

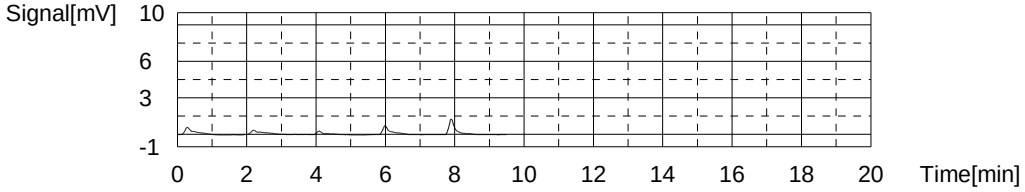
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.02431mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.083	0.06836mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 7:07:41 AM
2	0.7869	-0.08809mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 7:09:45 AM
3	0.4176	-0.2832mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 7:11:49 AM
4	1.129	0.09266mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 7:13:53 AM
5	1.568	0.3246mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 7:15:56 AM

Mean Area 0.9996
Mean Conc. 0.02431mg/L



Sample

Sample Name: 680-102900-M-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

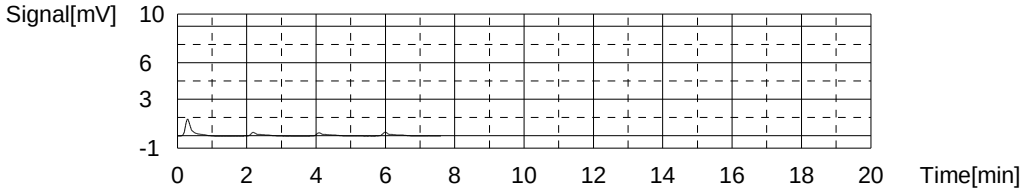
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.2504mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.835	0.4657mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 7:26:06 AM
2	0.4817	-0.2493mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 7:28:10 AM
3	0.4996	-0.2399mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 7:30:14 AM
4	0.4579	-0.2619mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 7:32:18 AM

Mean Area 0.4797
Mean Conc. -0.2504mg/L



Sample

Sample Name: 680-102900-K-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

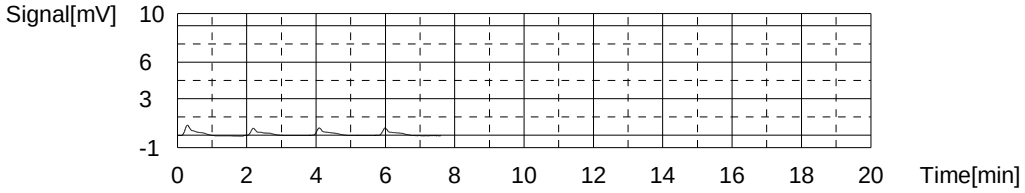
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1379mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.571	0.3262mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 7:42:33 AM
2	1.158	0.1080mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 7:44:37 AM
3	1.241	0.1518mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 7:46:41 AM
4	1.245	0.1540mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 7:48:45 AM

Mean Area 1.215
Mean Conc. 0.1379mg/L



Sample

Sample Name: 680-102916-E-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

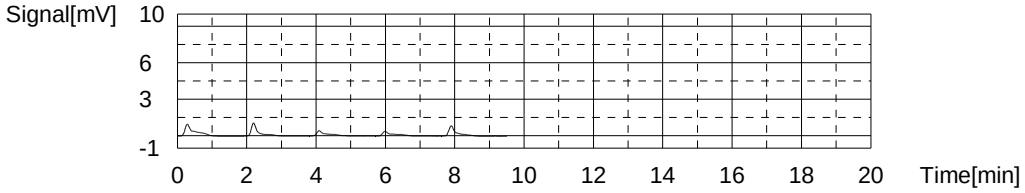
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2859mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.795	0.4446mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 7:58:59 AM
2	1.437	0.2554mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 8:01:03 AM
3	0.7882	-0.08740mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 8:03:07 AM
4	0.7433	-0.1111mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 8:05:11 AM
5	1.252	0.1577mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 8:07:15 AM

Mean Area 1.495
Mean Conc. 0.2859mg/L



Sample

Sample Name: 680-102918-G-50
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

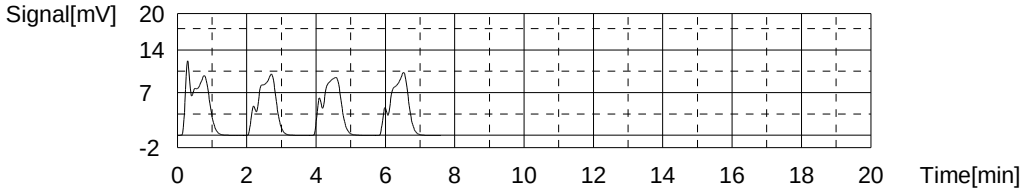
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.25mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	40.54	20.92mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 8:17:25 AM
2	35.50	18.25mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 8:19:29 AM
3	35.31	18.15mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 8:21:33 AM
4	35.66	18.34mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 8:23:36 AM

Mean Area 35.49
Mean Conc. 18.25mg/L



Sample

Sample Name: 680-102918-E-51
Sample ID: sed, decanted
Origin: TOC415.1A.met
Status Completed
Chk. Result

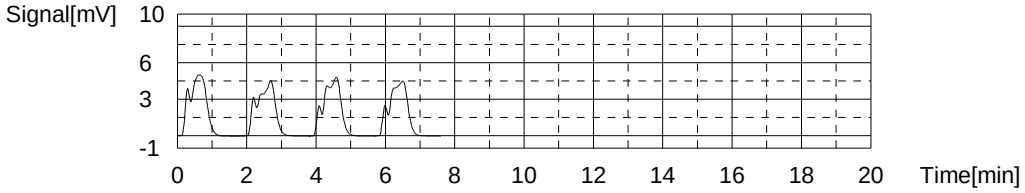
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.107mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.26	8.616mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 8:33:51 AM
2	16.05	7.976mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 8:35:55 AM
3	16.56	8.246mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 8:37:59 AM
4	16.28	8.098mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 8:40:03 AM

Mean Area 16.30
Mean Conc. 8.107mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

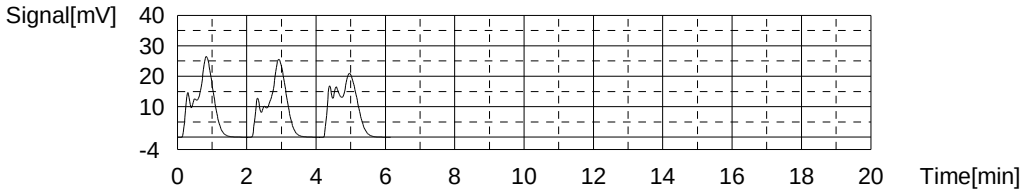
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.65mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	94.02	49.17mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 8:50:37 AM
2	94.77	49.57mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 8:52:51 AM
3	95.96	50.20mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 8:55:05 AM

Mean Area 94.92
Mean Conc. 49.65mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

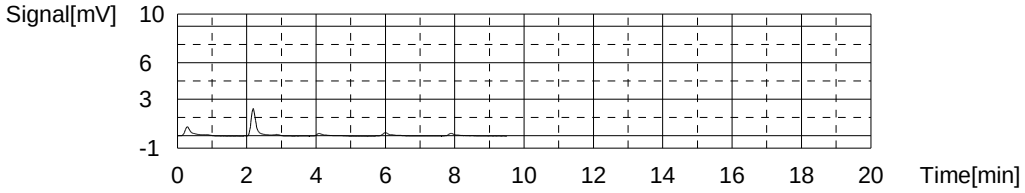
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3528mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.160	0.1090mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 9:05:20 AM
2	2.453	0.7922mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 9:07:24 AM
3	0.2861	-0.3527mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 9:09:28 AM
4	0.3078	-0.3412mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 9:11:32 AM
5	0.2639	-0.3644mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 9:13:36 AM

Mean Area 0.2859
Mean Conc. -0.3528mg/L



Sample

Sample Name: 680-102946-E-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

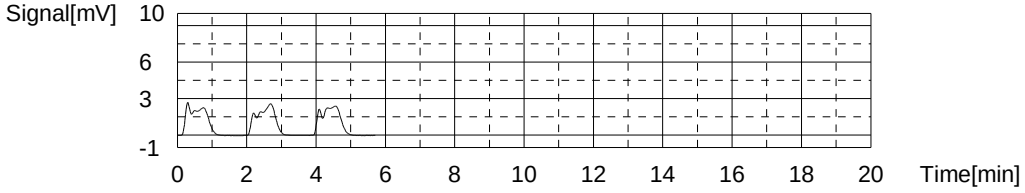
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.458mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.379	4.452mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 9:23:51 AM
2	9.308	4.414mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 9:25:56 AM
3	9.485	4.508mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 9:28:00 AM

Mean Area 9.391
Mean Conc. 4.458mg/L



Sample

Sample Name: 680-102946-C-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

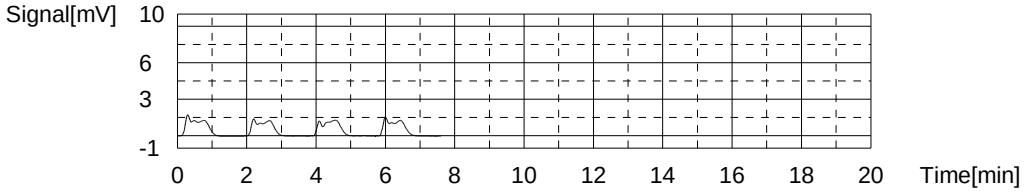
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.104mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.681	2.498mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 9:38:16 AM
2	4.917	2.094mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 9:40:20 AM
3	4.920	2.096mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 9:42:24 AM
4	4.972	2.123mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 9:44:28 AM

Mean Area 4.936
Mean Conc. 2.104mg/L



Sample

Sample Name: 680-102983-D-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

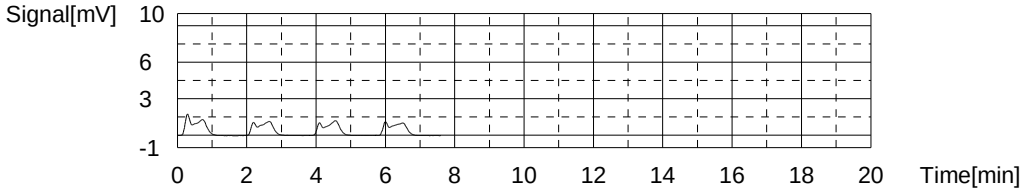
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.595mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.867	2.068mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 9:54:45 AM
2	3.977	1.597mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 9:56:49 AM
3	3.977	1.597mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 9:58:52 AM
4	3.965	1.591mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 10:00:56 AM

Mean Area 3.973
Mean Conc. 1.595mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

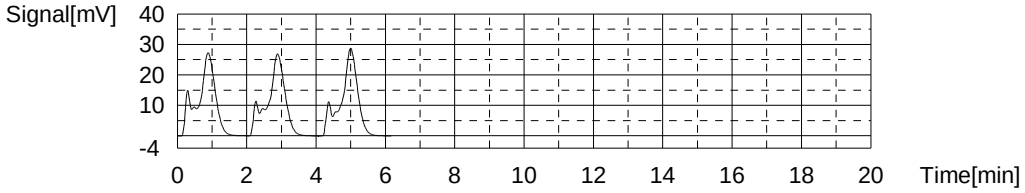
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.57mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	95.05	49.72mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 10:11:16 AM
2	93.99	49.16mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 10:13:32 AM
3	95.27	49.83mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 10:15:48 AM

Mean Area 94.77
Mean Conc. 49.57mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

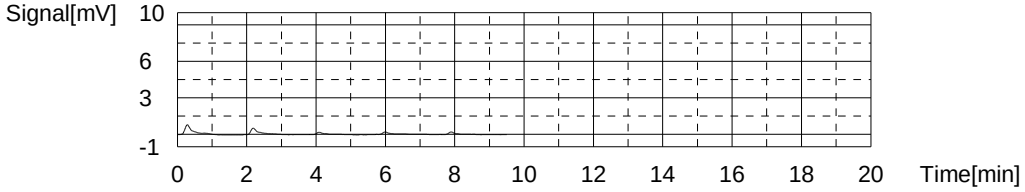
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3772mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.332	0.1999mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 10:26:05 AM
2	0.7795	-0.09200mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 10:28:09 AM
3	0.2190	-0.3882mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 10:30:13 AM
4	0.2741	-0.3590mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 10:32:17 AM
5	0.2262	-0.3843mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/10/2014 10:34:21 AM

Mean Area 0.2398
Mean Conc. -0.3772mg/L



	Sample Name	Sample ID	Dilution	Result	Status	Date / Time	Vial
1	ICV		1.000	NPOC:19.13mg/L	Completed	6/30/2014 5:51:26 PM	68
2	ICB		1.000	NPOC:-0.3216mg/L	Completed	6/30/2014 6:08:01 PM	2
3	BICARB		1.000	NPOC:0.2070mg/L	Completed	6/30/2014 6:22:26 PM	3
4	RLV		1.000	NPOC:0.7121mg/L	Completed	6/30/2014 6:36:53 PM	4
5	CCV		1.000	NPOC:48.55mg/L	Completed	7/1/2014 6:13:18 AM	37
6	CCB		1.000	NPOC:-0.3381mg/L	Completed	7/1/2014 6:29:51 AM	38
7	680-102273-d-23	415-2	1.000	NPOC:2.201mg/L	Completed	7/1/2014 6:48:26 AM	39
8	680-102273-b-24		1.000	NPOC:10.99mg/L	Completed	7/1/2014 7:04:51 AM	40
9	680-102273-c-25		1.000	NPOC:2.686mg/L	Completed	7/1/2014 7:21:23 AM	41
10	680-102273-b-26		1.000	NPOC:2.529mg/L	Completed	7/1/2014 7:37:53 AM	42
11	680-102273-b-27		1.000	NPOC:3.562mg/L	Completed	7/1/2014 7:54:24 AM	43
12	680-102273-c-28		1.000	NPOC:2.599mg/L	Completed	7/1/2014 8:13:01 AM	44
13	680-102273-c-29		1.000	NPOC:2.568mg/L	Completed	7/1/2014 8:29:28 AM	45
14	680-102273-c-30		1.000	NPOC:2.479mg/L	Completed	7/1/2014 8:45:58 AM	46
15	680-102273-c-31		1.000	NPOC:2.745mg/L	Completed	7/1/2014 9:04:32 AM	47
16	CCV		1.000	NPOC:48.72mg/L	Completed	7/1/2014 9:19:02 AM	37
17	CCB		1.000	NPOC:-0.3452mg/L	Completed	7/1/2014 9:35:34 AM	38
18	LCS	415-3	1.000	NPOC:19.20mg/L	Completed	7/1/2014 9:50:12 AM	5
19	MB		1.000	NPOC:-0.3513mg/L	Completed	7/1/2014 10:08:49 AM	6
20	680-102273-d-32		1.000	NPOC:19.26mg/L	Completed	7/1/2014 10:28:41 AM	48
21	680-102273-d-32 DU		1.000	NPOC:19.34mg/L	Completed	7/1/2014 10:41:38 AM	48
22	680-102273-d-33		1.000	NPOC:2.595mg/L	Completed	7/1/2014 10:58:14 AM	49
23	680-102280-g-1		1.000	NPOC:0.9990mg/L	Completed	7/1/2014 11:16:54 AM	50
24	680-102280-f-5		1.000	NPOC:0.3903mg/L	Completed	7/1/2014 11:35:29 AM	51
25	680-102280-a-20		1.000	NPOC:0.3746mg/L	Completed	7/1/2014 11:54:05 AM	52
26	CCV		1.000	NPOC:49.15mg/L	Completed	7/1/2014 12:08:32 PM	64
27	CCB		1.000	NPOC:-0.3379mg/L	Completed	7/1/2014 12:27:14 PM	65
28	680-102280-a-22		1.000	NPOC:0.7054mg/L	Completed	7/1/2014 12:41:55 PM	53
29	680-102280-a-23		1.000	NPOC:1.384mg/L	Completed	7/1/2014 12:58:32 PM	54
30	680-102280-b-25		1.000	NPOC:0.1996mg/L	Completed	7/1/2014 1:17:12 PM	55
31	680-102280-f-26		1.000	NPOC:73.24mg/L	Completed	7/1/2014 1:31:38 PM	56
32	CCV		1.000	NPOC:49.04mg/L	Completed	7/1/2014 1:46:24 PM	37
33	CCB		1.000	NPOC:-0.3453mg/L	Completed	7/1/2014 2:05:04 PM	38
34	680-102280-F-26 MS		1.000	NPOC:92.14mg/L	Completed	7/1/2014 2:19:37 PM	57
35	680-102280-F-26 MSD		1.000	NPOC:92.54mg/L	Completed	7/1/2014 2:30:31 PM	57
36	680-102541-n-1		1.000	NPOC:-0.07022mg/L	Completed	7/1/2014 2:49:10 PM	58
37	LCS	415D	1.000	NPOC:19.13mg/L	Completed	7/1/2014 3:03:35 PM	59
38	MB		1.000	NPOC:-0.2176mg/L	Completed	7/1/2014 3:20:08 PM	60
39	680-102538-a-1		1.000	NPOC:2.326mg/L	Completed	7/1/2014 3:38:46 PM	61
40	680-102538-a-1 MS		1.000	NPOC:21.76mg/L	Completed	7/1/2014 3:53:11 PM	62
41	680-102538-a-1 MSD		1.000	NPOC:21.83mg/L	Completed	7/1/2014 4:04:04 PM	62
42	680-102538-a-2		1.000	NPOC:2.322mg/L	Completed	7/1/2014 4:20:41 PM	63
43	CCV		1.000	NPOC:48.73mg/L	Completed	7/1/2014 4:46:56 PM	37
44	CCB		1.000	NPOC:-0.3544mg/L	Completed	7/1/2014 5:03:33 PM	38
45	CCV		1.000	NPOC:48.92mg/L	Completed	7/1/2014 5:20:22 PM	64
46	CCB		1.000	NPOC:-0.3188mg/L	Completed	7/1/2014 5:39:06 PM	65
47	LCS	9060	1.000	NPOC:19.24mg/L	Completed	7/1/2014 5:55:44 PM	5
48	MB		1.000	NPOC:-0.2104mg/L	Completed	7/1/2014 6:14:23 PM	6
49	640-48280-e-2		1.000	NPOC:15.51mg/L	Completed	7/1/2014 6:30:56 PM	66
50	640-48280-e-2 MS		1.000	NPOC:34.64mg/L	Completed	7/1/2014 6:47:33 PM	67
51	640-48280-e-2 MSD		1.000	NPOC:34.67mg/L	Completed	7/1/2014 7:00:29 PM	67
52	CCV		1.000	NPOC:48.67mg/L	Completed	7/1/2014 7:17:21 PM	64
53	CCB		1.000	NPOC:-0.1625mg/L	Completed	7/1/2014 7:36:02 PM	65
54	CCV		1.000	NPOC:48.48mg/L	Completed	7/1/2014 7:50:45 PM	64
55	CCB		1.000	NPOC:-0.3433mg/L	Completed	7/1/2014 8:09:26 PM	65
56	LCS	415-1	1.000	NPOC:19.12mg/L	Completed	7/1/2014 8:24:00 PM	5
57	MB		1.000	NPOC:-0.3877mg/L	Completed	7/1/2014 8:42:39 PM	6
58	640-48291-f-1		1.000	NPOC:2.436mg/L	Completed	7/1/2014 8:59:08 PM	7
59	640-48291-f-1 DU		1.000	NPOC:2.455mg/L	Completed	7/1/2014 9:14:09 PM	7
60	640-48291-f-2		1.000	NPOC:1.897mg/L	Completed	7/1/2014 9:30:38 PM	8
61	640-48291-e-3		1.000	NPOC:1.906mg/L	Completed	7/1/2014 9:47:10 PM	9
62	640-48291-d-4		1.000	NPOC:1.658mg/L	Completed	7/1/2014 10:03:43 PM	10
63	640-48291-d-5		1.000	NPOC:0.8743mg/L	Completed	7/1/2014 10:20:16 PM	11
64	CCV		1.000	NPOC:48.14mg/L	Completed	7/1/2014 10:34:55 PM	1
65	CCB		1.000	NPOC:-0.3543mg/L	Completed	7/1/2014 10:51:29 PM	2
66	640-48291-f-6		1.000	NPOC:0.5828mg/L	Completed	7/1/2014 11:06:05 PM	12
67	640-48291-f-7		1.000	NPOC:2.055mg/L	Completed	7/1/2014 11:22:39 PM	13
68	640-48291-e-8		1.000	NPOC:2.623mg/L	Completed	7/1/2014 11:41:16 PM	14
69	640-48291-f-9		1.000	NPOC:2.630mg/L	Completed	7/1/2014 11:59:46 PM	15
70	640-48291-f-10		1.000	NPOC:-0.3763mg/L	Completed	7/2/2014 12:16:25 AM	6

	Sample Name	Sample ID	Dilution	Result	Status	Date / Time	Vial
71	680-102273-b-2		1.000	NPOC:2.421mg/L	Completed	7/2/2014 12:32:58 AM	7
72	680-102273-b-2 ms		1.000	NPOC:34.55mg/L	Completed	7/2/2014 12:47:33 AM	18
73	680-102273-c-2 msd		1.000	NPOC:1.918mg/L	Completed	7/2/2014 1:04:16 AM	8
74	680-102273-d-3		1.000	NPOC:1.810mg/L	Completed	7/2/2014 1:20:49 AM	9
75	680-102273-c-4		1.000	NPOC:-0.5039mg/L	Completed	7/2/2014 1:33:15 AM	0
76	CCV		1.000	NPOC:48.10mg/L	Completed	7/2/2014 1:47:56 AM	1
77	CCB		1.000	NPOC:-0.3665mg/L	Completed	7/2/2014 2:04:29 AM	2
78	680-102273-b-5		1.000	NPOC:48.03mg/L	Completed	7/2/2014 2:19:14 AM	1
79	680-102273-c-6		1.000	NPOC:-0.3785mg/L	Completed	7/2/2014 2:35:48 AM	2
80	680-102273-d-7		1.000	NPOC:0.3306mg/L	Completed	7/2/2014 2:50:15 AM	3
81	680-102273-d-8		1.000	NPOC:0.7852mg/L	Completed	7/2/2014 3:04:44 AM	4
82	LCS	415-2	1.000	NPOC:18.90mg/L	Completed	7/2/2014 3:19:14 AM	5
83	MB		1.000	NPOC:-0.2057mg/L	Completed	7/2/2014 3:37:52 AM	6
84	680-102273-d-9		1.000	NPOC:1.898mg/L	Completed	7/2/2014 3:54:30 AM	25
85	680-102273-c-9 ms		1.000	NPOC:21.14mg/L	Completed	7/2/2014 4:08:57 AM	26
86	680-102273-c-9 msd		1.000	NPOC:21.35mg/L	Completed	7/2/2014 4:19:51 AM	26
87	680-102273-d-10		1.000	NPOC:3.589mg/L	Completed	7/2/2014 4:38:28 AM	27
88	CCV		1.000	NPOC:48.24mg/L	Completed	7/2/2014 4:52:51 AM	1
89	CCB		1.000	NPOC:-0.3637mg/L	Completed	7/2/2014 5:09:25 AM	2
90	680-102273-b-14		1.000	NPOC:3.639mg/L	Completed	7/2/2014 5:26:14 AM	28
91	680-102273-b-14 DU		1.000	NPOC:3.515mg/L	Completed	7/2/2014 5:39:10 AM	28
92	680-102273-b-15		1.000	NPOC:6.751mg/L	Completed	7/2/2014 5:55:41 AM	29
93	680-102273-d-16		1.000	NPOC:2.665mg/L	Completed	7/2/2014 6:12:14 AM	30
94	680-102273-b-17		1.000	NPOC:2.590mg/L	Completed	7/2/2014 6:28:47 AM	31
95	680-102273-c-18		1.000	NPOC:4.884mg/L	Completed	7/2/2014 6:45:19 AM	32
96	680-102273-c-19		1.000	NPOC:19.15mg/L	Completed	7/2/2014 6:59:48 AM	33
97	680-102273-b-20		1.000	NPOC:3.944mg/L	Completed	7/2/2014 7:16:20 AM	34
98	680-102273-b-21		1.000	NPOC:2.436mg/L	Completed	7/2/2014 7:34:57 AM	35
99	680-102273-d-22		1.000	NPOC:20.33mg/L	Completed	7/2/2014 7:49:20 AM	36
100	CCB		1.000	NPOC:-0.5039mg/L	Completed	7/2/2014 8:18:29 AM	2
101	CCV		1.000	NPOC:48.78mg/L	Completed	7/2/2014 8:55:03 AM	1

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	

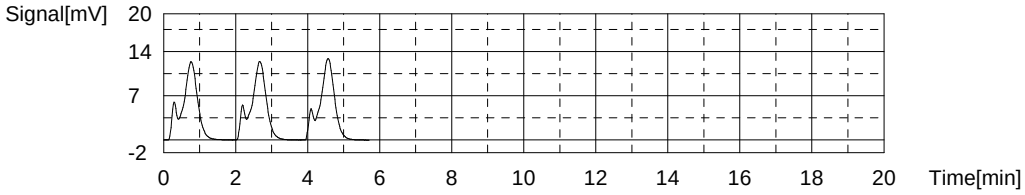
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.13mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.90	18.99mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	6/30/2014 5:47:19 PM
2	37.10	19.10mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	6/30/2014 5:49:23 PM
3	37.47	19.29mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	6/30/2014 5:51:26 PM

Mean Area 37.16
Mean Conc. 19.13mg/L



Sample

Sample Name:	ICB
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

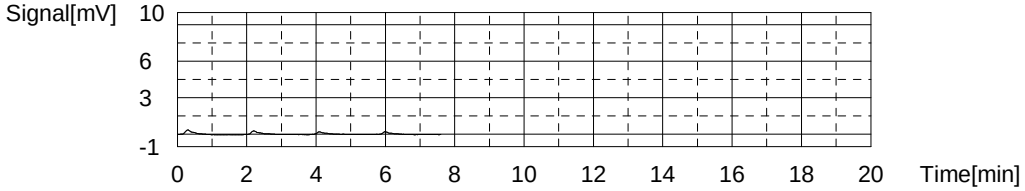
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3216mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5884	-0.1930mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	6/30/2014 6:01:51 PM
2	0.4235	-0.2801mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	6/30/2014 6:03:54 PM
3	0.3068	-0.3418mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	6/30/2014 6:05:58 PM
4	0.3045	-0.3430mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	6/30/2014 6:08:01 PM

Mean Area 0.3449
Mean Conc. -0.3216mg/L



Sample

Sample Name: BICARB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

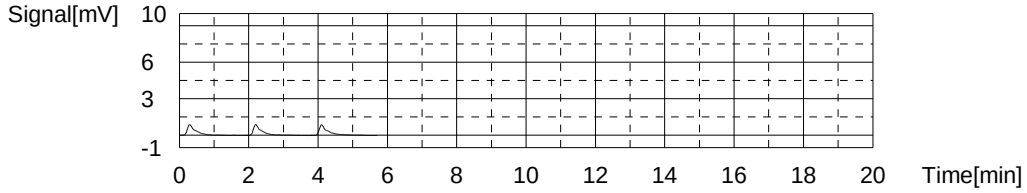
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2070mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.360	0.2147mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	6/30/2014 6:18:19 PM
2	1.309	0.1878mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	6/30/2014 6:20:23 PM
3	1.367	0.2184mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	6/30/2014 6:22:26 PM

Mean Area 1.345
Mean Conc. 0.2070mg/L



Sample

Sample Name: RLV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

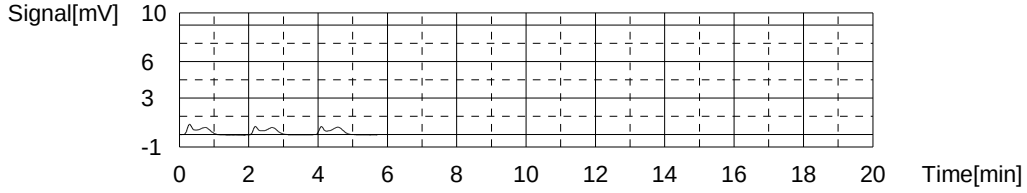
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7121mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.402	0.7653mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	6/30/2014 6:32:47 PM
2	2.245	0.6823mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	6/30/2014 6:34:50 PM
3	2.257	0.6887mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	6/30/2014 6:36:53 PM

Mean Area 2.301
Mean Conc. 0.7121mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

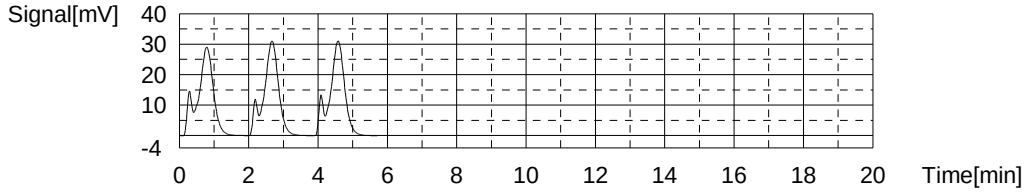
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.55mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	92.09	48.15mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:09:11 AM
2	92.71	48.48mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:11:15 AM
3	93.74	49.03mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:13:18 AM

Mean Area 92.85
Mean Conc. 48.55mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

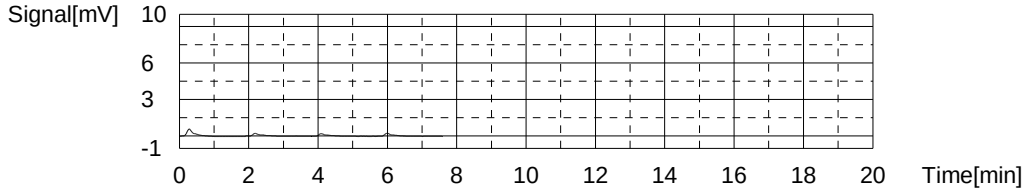
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3381mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8148	-0.07335mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:23:41 AM
2	0.2933	-0.3489mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:25:44 AM
3	0.2702	-0.3611mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:27:48 AM
4	0.3777	-0.3043mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:29:51 AM

Mean Area 0.3137
Mean Conc. -0.3381mg/L



Sample

Sample Name: 680-102273-d-23
Sample ID: 415-2
Origin: TOC415.1A.met
Status Completed
Chk. Result

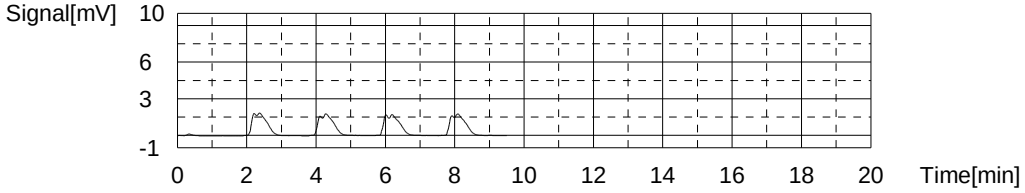
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.201mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1404	-0.4297mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:40:12 AM
2	5.302	2.298mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:42:16 AM
3	5.036	2.157mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:44:19 AM
4	5.096	2.189mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:46:23 AM
5	5.228	2.258mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:48:26 AM

Mean Area 5.120
Mean Conc. 2.201mg/L



Sample

Sample Name: 680-102273-b-24
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

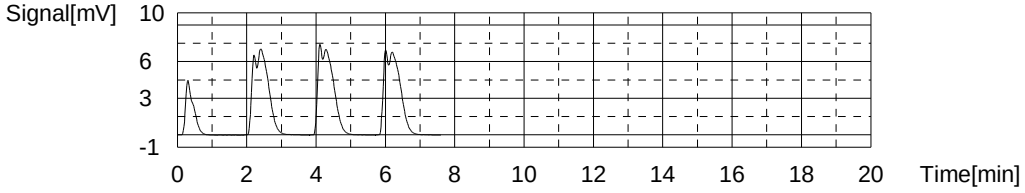
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:10.99mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.897	3.140mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:58:41 AM
2	21.47	10.84mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:00:44 AM
3	21.84	11.04mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:02:48 AM
4	21.94	11.09mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:04:51 AM

Mean Area 21.75
Mean Conc. 10.99mg/L



Sample

Sample Name: 680-102273-c-25
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

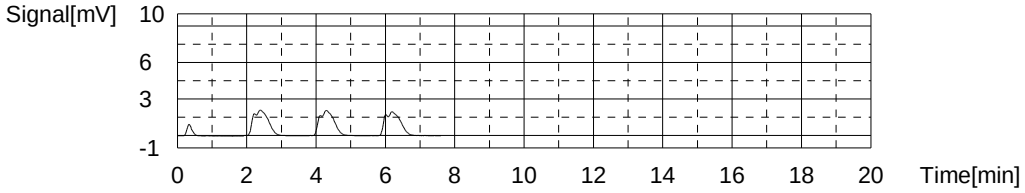
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.686mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9601	0.00342mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:15:12 AM
2	6.163	2.752mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:17:15 AM
3	5.945	2.637mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:19:19 AM
4	6.004	2.668mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:21:23 AM

Mean Area 6.037
Mean Conc. 2.686mg/L



Sample

Sample Name: 680-102273-b-26
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

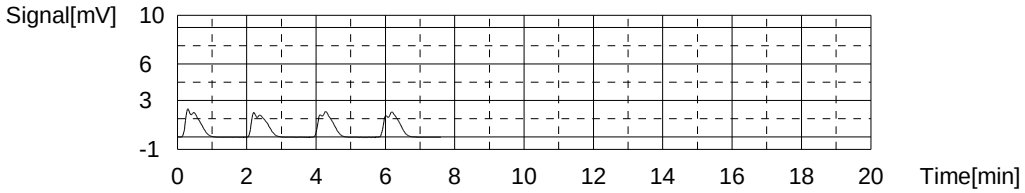
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.529mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.979	2.655mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:31:43 AM
2	5.702	2.509mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:33:46 AM
3	5.731	2.524mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:35:50 AM
4	5.789	2.555mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:37:53 AM

Mean Area 5.741
Mean Conc. 2.529mg/L



Sample

Sample Name: 680-102273-b-27
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

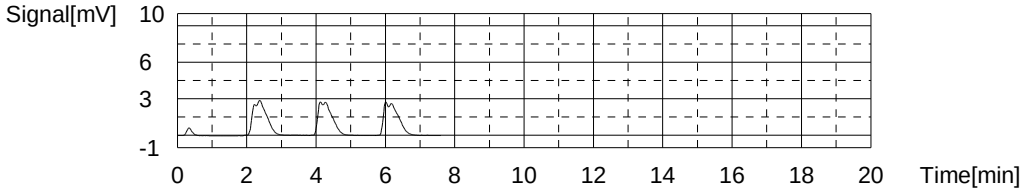
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.562mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6467	-0.1622mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:48:14 AM
2	7.760	3.596mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:50:17 AM
3	7.581	3.502mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:52:21 AM
4	7.744	3.588mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:54:24 AM

Mean Area 7.695
Mean Conc. 3.562mg/L



Sample

Sample Name: 680-102273-c-28
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

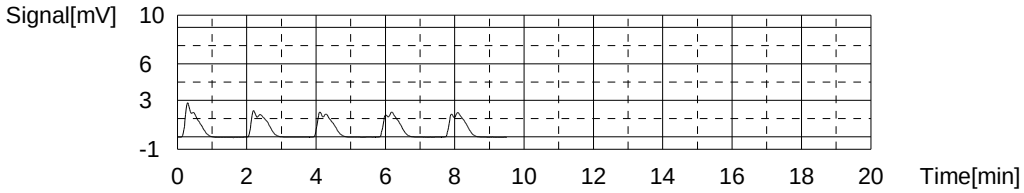
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.599mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.325	2.838mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:04:45 AM
2	6.084	2.711mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:06:49 AM
3	5.773	2.546mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:08:53 AM
4	5.897	2.612mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:10:56 AM
5	5.949	2.639mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:13:01 AM

Mean Area 5.873
Mean Conc. 2.599mg/L



Sample

Sample Name: 680-102273-c-29
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

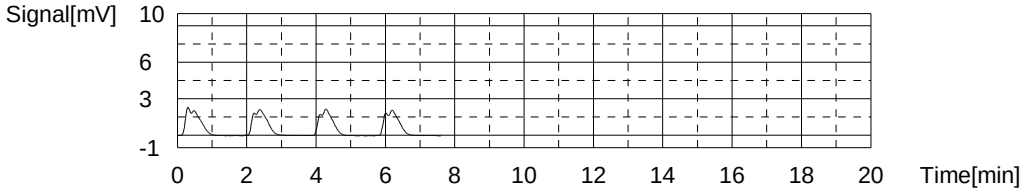
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.568mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.171	2.757mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:23:17 AM
2	5.890	2.608mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:25:20 AM
3	5.741	2.529mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:27:24 AM
4	5.812	2.567mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:29:28 AM

Mean Area 5.814
Mean Conc. 2.568mg/L



Sample

Sample Name: 680-102273-c-30
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

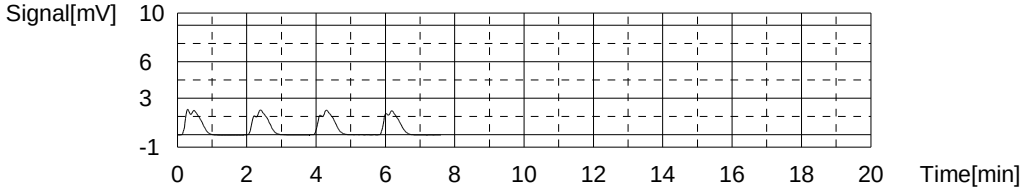
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.479mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.917	2.622mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:39:48 AM
2	5.699	2.507mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:41:51 AM
3	5.694	2.505mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:43:55 AM
4	5.544	2.425mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:45:58 AM

Mean Area 5.646
Mean Conc. 2.479mg/L



Sample

Sample Name: 680-102273-c-31
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

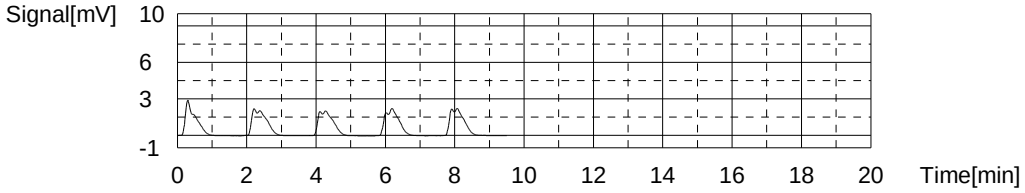
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.745mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.673	2.494mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:56:18 AM
2	6.213	2.779mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:58:22 AM
3	5.923	2.626mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:00:25 AM
4	6.091	2.714mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:02:29 AM
5	6.141	2.741mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:04:32 AM

Mean Area 6.148
Mean Conc. 2.745mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

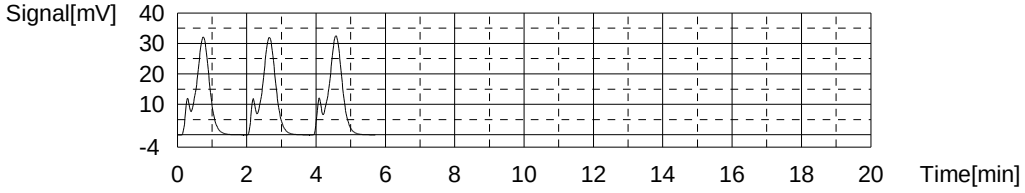
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.72mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	92.40	48.32mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:14:55 AM
2	92.62	48.43mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:16:58 AM
3	94.44	49.40mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:19:02 AM

Mean Area 93.15
Mean Conc. 48.72mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

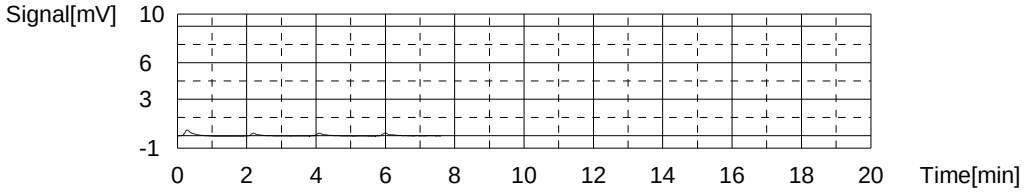
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3452mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7139	-0.1267mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:29:23 AM
2	0.2883	-0.3515mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:31:26 AM
3	0.2783	-0.3568mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:33:30 AM
4	0.3343	-0.3272mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:35:34 AM

Mean Area 0.3003
Mean Conc. -0.3452mg/L



Sample

Sample Name: LCS
Sample ID: 415-3
Origin: TOC415.1A.met
Status Completed
Chk. Result

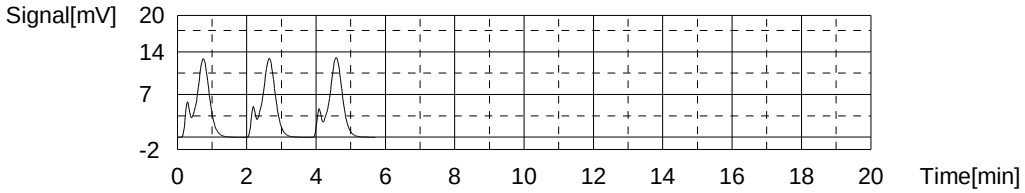
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.20mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.24	19.17mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:46:05 AM
2	37.03	19.06mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:48:08 AM
3	37.63	19.38mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:50:12 AM

Mean Area 37.30
Mean Conc. 19.20mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

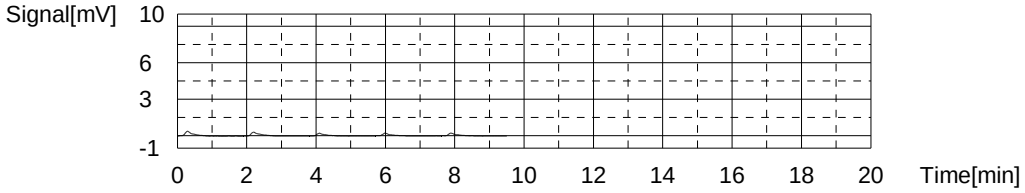
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3513mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5530	-0.2117mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:00:33 AM
2	0.5417	-0.2176mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:02:37 AM
3	0.2984	-0.3462mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:04:40 AM
4	0.2643	-0.3642mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:06:44 AM
5	0.3033	-0.3436mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:08:49 AM

Mean Area 0.2887
Mean Conc. -0.3513mg/L



Sample

Sample Name: 680-102273-d-32
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

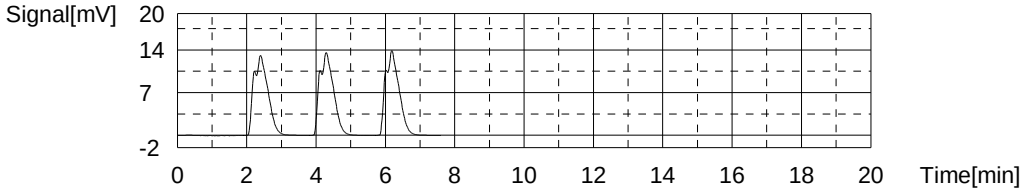
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.26mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.5039mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:22:29 AM
2	37.17	19.14mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:24:33 AM
3	37.56	19.34mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:26:37 AM
4	37.46	19.29mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:28:41 AM

Mean Area 37.40
Mean Conc. 19.26mg/L



Sample

Sample Name: 680-102273-d-32 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

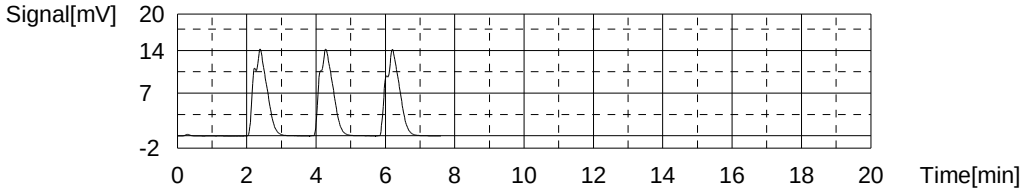
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.34mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.2488	-0.3724mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:35:25 AM
2	37.27	19.19mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:37:29 AM
3	37.55	19.34mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:39:33 AM
4	37.87	19.51mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:41:38 AM

Mean Area 37.56
Mean Conc. 19.34mg/L



Sample

Sample Name: 680-102273-d-33
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

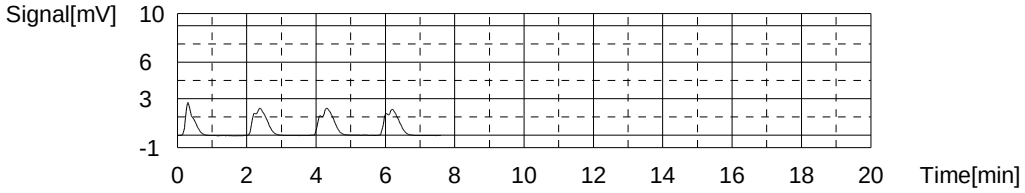
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.595mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.179	1.704mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:52:01 AM
2	5.874	2.600mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:54:06 AM
3	5.923	2.626mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:56:10 AM
4	5.798	2.560mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:58:14 AM

Mean Area 5.865
Mean Conc. 2.595mg/L



Sample

Sample Name: 680-102280-g-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

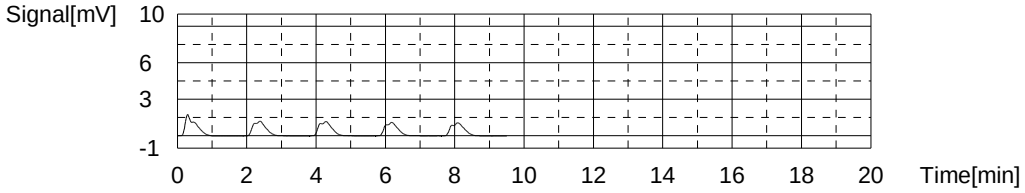
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9990mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.544	1.369mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:08:37 AM
2	3.033	1.099mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:10:42 AM
3	2.966	1.063mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:12:46 AM
4	2.754	0.9513mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:14:50 AM
5	2.813	0.9824mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:16:54 AM

Mean Area 2.844
Mean Conc. 0.9990mg/L



Sample

Sample Name: 680-102280-f-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

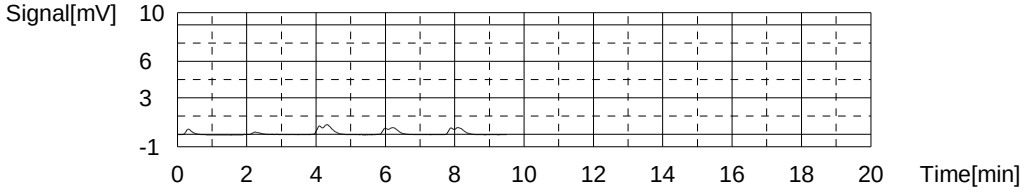
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3903mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5426	-0.2172mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:27:12 AM
2	0.2829	-0.3544mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:29:17 AM
3	2.106	0.6089mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:31:21 AM
4	1.459	0.2670mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:33:25 AM
5	1.512	0.2950mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:35:29 AM

Mean Area 1.692
Mean Conc. 0.3903mg/L



Sample

Sample Name: 680-102280-a-20
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

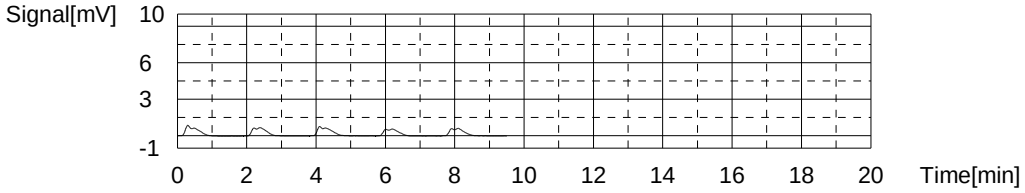
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3746mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.976	0.5402mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:45:48 AM
2	1.742	0.4166mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:47:52 AM
3	1.946	0.5243mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:49:56 AM
4	1.595	0.3389mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:52:01 AM
5	1.651	0.3685mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:54:05 AM

Mean Area 1.663
Mean Conc. 0.3746mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

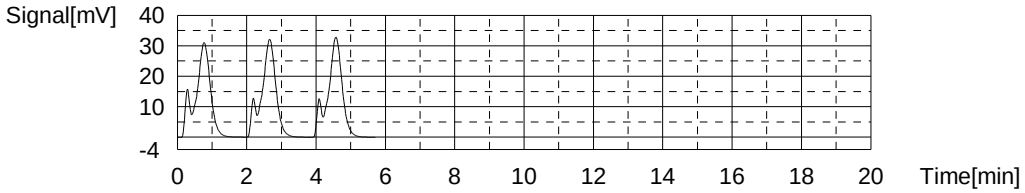
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.15mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	93.75	49.03mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 12:04:23 PM
2	93.39	48.84mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 12:06:27 PM
3	94.81	49.59mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 12:08:32 PM

Mean Area 93.98
Mean Conc. 49.15mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

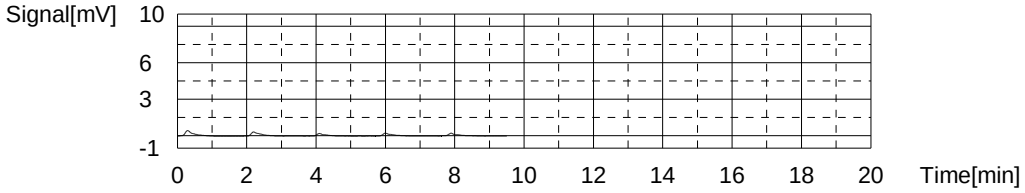
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3379mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6880	-0.1403mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 12:18:57 PM
2	0.5693	-0.2031mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 12:21:01 PM
3	0.3053	-0.3426mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 12:23:06 PM
4	0.3470	-0.3205mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 12:25:10 PM
5	0.2902	-0.3505mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 12:27:14 PM

Mean Area 0.3142
Mean Conc. -0.3379mg/L



Sample

Sample Name: 680-102280-a-22
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

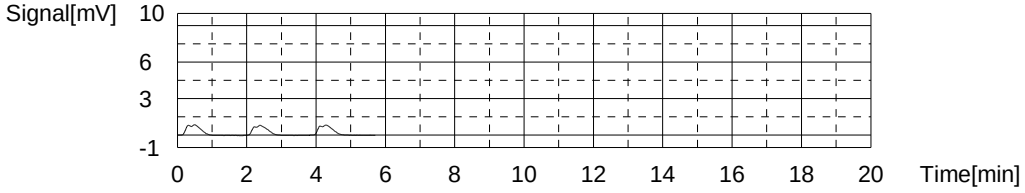
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7054mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.347	0.7362mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 12:37:46 PM
2	2.280	0.7008mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 12:39:50 PM
3	2.239	0.6791mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 12:41:55 PM

Mean Area 2.289
Mean Conc. 0.7054mg/L



Sample

Sample Name: 680-102280-a-23
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

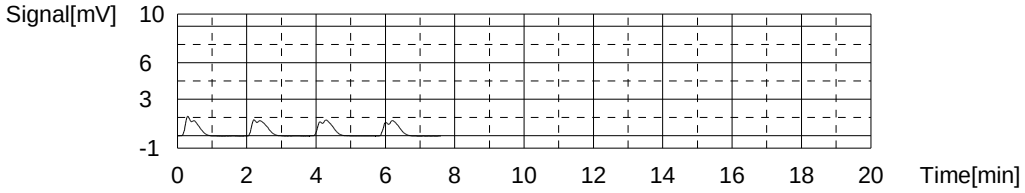
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.384mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.626	1.412mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 12:52:19 PM
2	3.784	1.495mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 12:54:23 PM
3	3.547	1.370mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 12:56:28 PM
4	3.547	1.370mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 12:58:32 PM

Mean Area 3.573
Mean Conc. 1.384mg/L



Sample

Sample Name: 680-102280-b-25
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

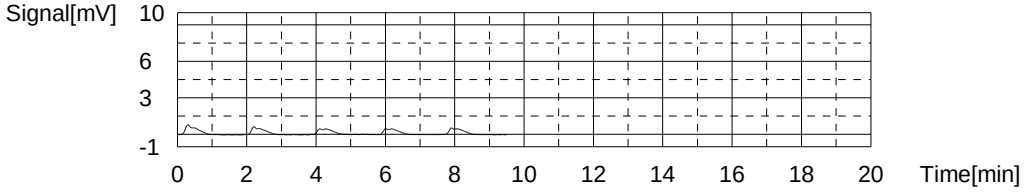
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1996mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.747	0.4192mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 1:08:55 PM
2	1.540	0.3098mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 1:10:59 PM
3	1.288	0.1767mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 1:13:03 PM
4	1.313	0.1899mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 1:15:07 PM
5	1.393	0.2322mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 1:17:12 PM

Mean Area 1.331
Mean Conc. 0.1996mg/L



Sample

Sample Name: 680-102280-f-26
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

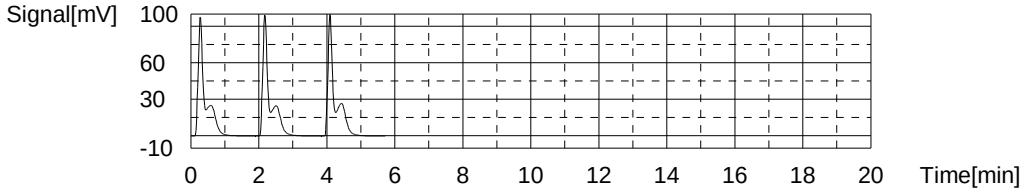
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:73.24mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	138.3	72.57mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 1:27:29 PM
2	138.9	72.89mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 1:29:34 PM
3	141.5	74.26mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 1:31:38 PM

Mean Area 139.6
Mean Conc. 73.24mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

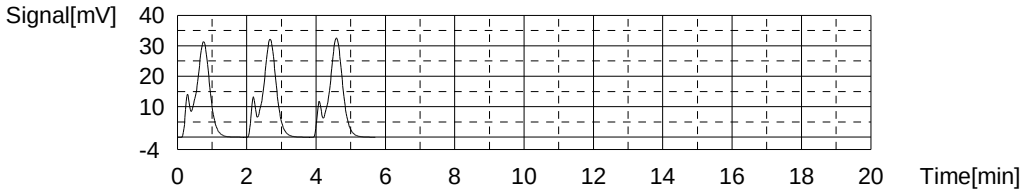
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.04mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	93.36	48.82mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 1:42:16 PM
2	93.37	48.83mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 1:44:20 PM
3	94.55	49.45mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 1:46:24 PM

Mean Area 93.76
Mean Conc. 49.04mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

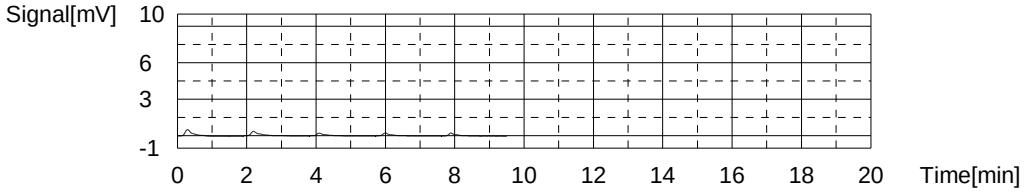
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3453mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7692	-0.09744mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 1:56:47 PM
2	0.5330	-0.2222mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 1:58:51 PM
3	0.3033	-0.3436mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 2:00:55 PM
4	0.3063	-0.3420mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 2:03:00 PM
5	0.2906	-0.3503mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 2:05:04 PM

Mean Area 0.3001
Mean Conc. -0.3453mg/L



Sample

Sample Name: 680-102280-F-26 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

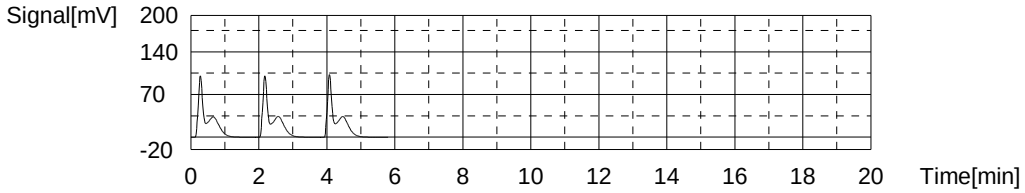
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:92.14mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	173.0	90.90mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 2:15:22 PM
2	176.1	92.54mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 2:17:26 PM
3	176.9	92.96mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 2:19:37 PM

Mean Area 175.3
Mean Conc. 92.14mg/L



Sample

Sample Name: 680-102280-F-26 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

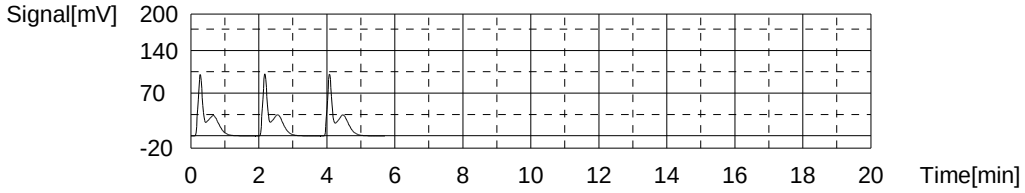
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:92.54mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	174.3	91.59mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 2:26:23 PM
2	176.6	92.81mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 2:28:27 PM
3	177.4	93.23mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 2:30:31 PM

Mean Area 176.1
Mean Conc. 92.54mg/L



Sample

Sample Name: 680-102541-n-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

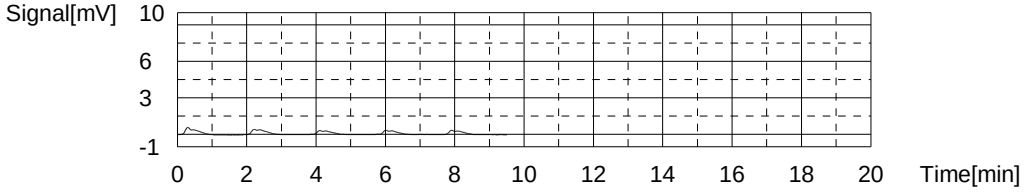
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.07022mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.308	0.1872mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 2:40:54 PM
2	1.148	0.1027mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 2:42:58 PM
3	0.7755	-0.09411mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 2:45:02 PM
4	0.8228	-0.06912mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 2:47:06 PM
5	0.8639	-0.04741mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 2:49:10 PM

Mean Area 0.8207
Mean Conc. -0.07022mg/L



Sample

Sample Name: LCS
Sample ID: 415D
Origin: TOC415.1A.met
Status Completed
Chk. Result

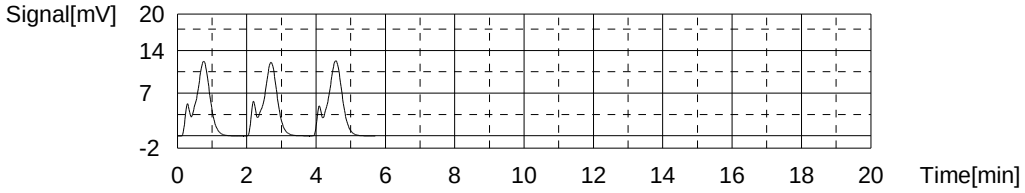
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.13mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.73	18.90mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 2:59:28 PM
2	37.25	19.18mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 3:01:32 PM
3	37.48	19.30mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 3:03:35 PM

Mean Area 37.15
Mean Conc. 19.13mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

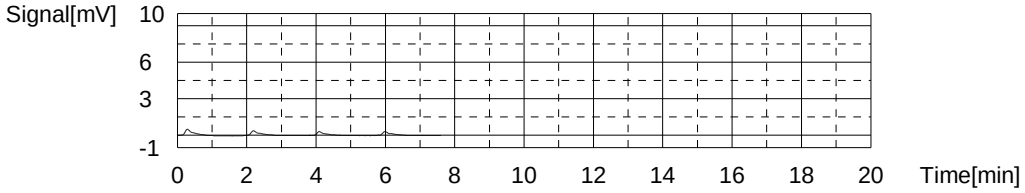
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.2176mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8107	-0.07552mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 3:13:57 PM
2	0.6375	-0.1670mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 3:16:01 PM
3	0.4751	-0.2528mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 3:18:05 PM
4	0.5125	-0.2331mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 3:20:08 PM

Mean Area 0.5417
Mean Conc. -0.2176mg/L



Sample

Sample Name: 680-102538-a-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

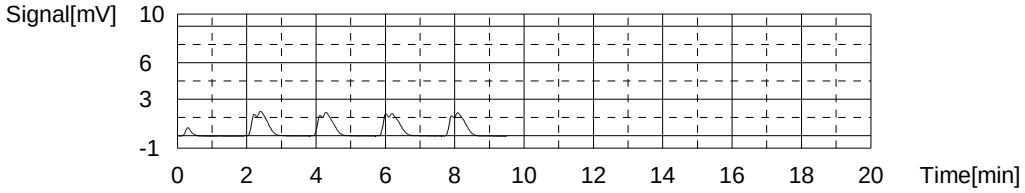
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.326mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7874	-0.08783mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 3:30:31 PM
2	5.658	2.486mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 3:32:35 PM
3	5.289	2.291mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 3:34:39 PM
4	5.383	2.340mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 3:36:42 PM
5	5.395	2.347mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 3:38:46 PM

Mean Area 5.356
Mean Conc. 2.326mg/L



Sample

Sample Name: 680-102538-a-1 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

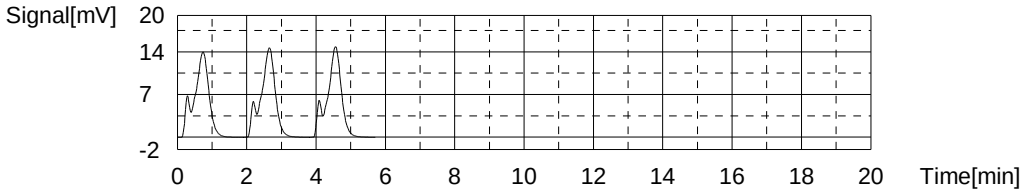
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.76mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.58	21.47mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 3:49:04 PM
2	42.41	21.90mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 3:51:07 PM
3	42.40	21.90mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 3:53:11 PM

Mean Area 42.13
Mean Conc. 21.76mg/L



Sample

Sample Name: 680-102538-a-1 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

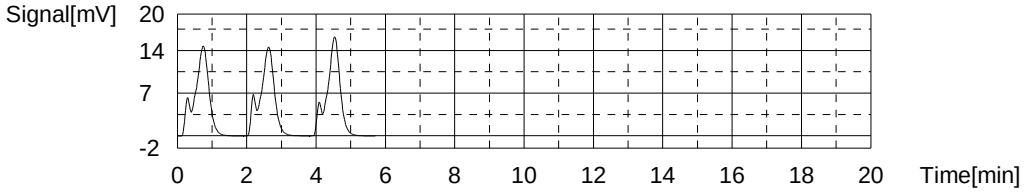
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.83mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.27	21.83mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 3:59:57 PM
2	41.66	21.51mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 4:02:01 PM
3	42.87	22.15mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 4:04:04 PM

Mean Area 42.27
Mean Conc. 21.83mg/L



Sample

Sample Name: 680-102538-a-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

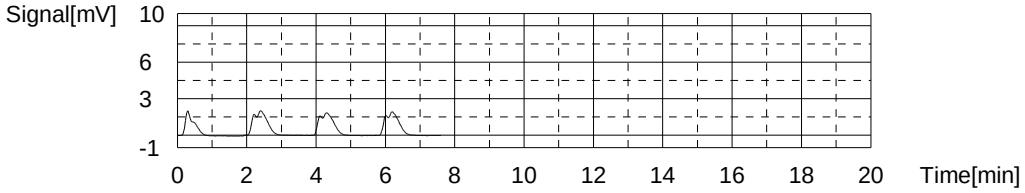
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.322mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.422	1.304mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 4:14:29 PM
2	5.451	2.376mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 4:16:33 PM
3	5.317	2.305mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 4:18:37 PM
4	5.275	2.283mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 4:20:41 PM

Mean Area 5.348
Mean Conc. 2.322mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

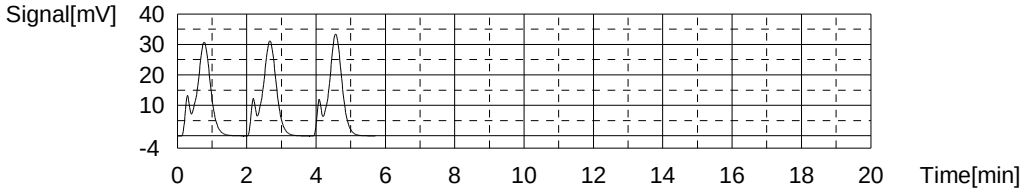
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.73mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	92.39	48.31mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 4:42:47 PM
2	92.49	48.36mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 4:44:52 PM
3	94.67	49.52mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 4:46:56 PM

Mean Area 93.18
Mean Conc. 48.73mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

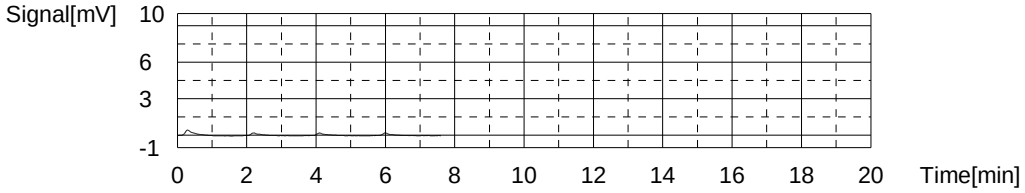
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3544mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7594	-0.1026mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 4:57:19 PM
2	0.3234	-0.3330mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 4:59:24 PM
3	0.2636	-0.3646mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 5:01:28 PM
4	0.2618	-0.3655mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 5:03:33 PM

Mean Area 0.2829
Mean Conc. -0.3544mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

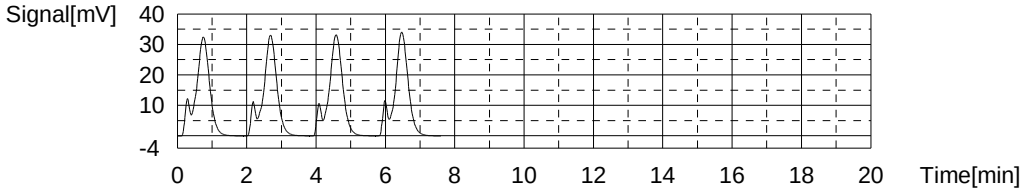
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.92mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	92.46	48.35mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 5:14:09 PM
2	92.86	48.56mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 5:16:14 PM
3	94.54	49.45mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 5:18:18 PM
4	94.30	49.32mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 5:20:22 PM

Mean Area 93.54
Mean Conc. 48.92mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

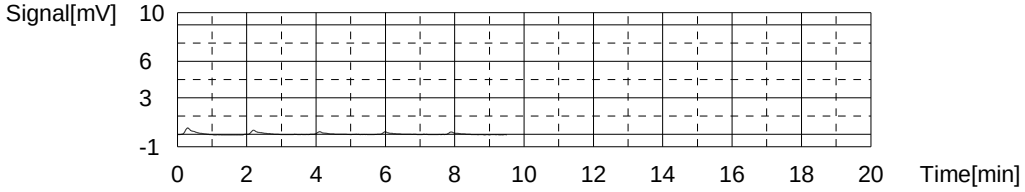
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3188mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9260	-0.01460mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 5:30:47 PM
2	0.5642	-0.2058mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 5:32:52 PM
3	0.3057	-0.3423mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 5:34:57 PM
4	0.2454	-0.3742mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 5:37:01 PM
5	0.2856	-0.3530mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 5:39:06 PM

Mean Area 0.3502
Mean Conc. -0.3188mg/L



Sample

Sample Name: LCS
Sample ID: 9060
Origin: TOC9060.met
Status Completed
Chk. Result

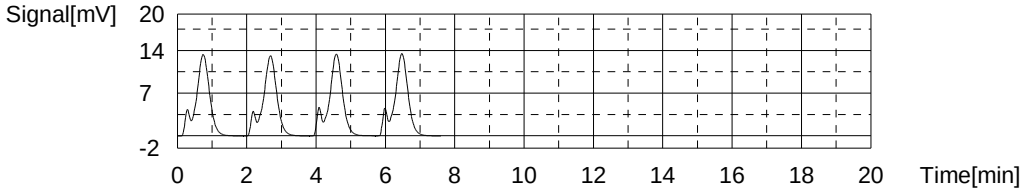
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.24mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.99	19.04mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 5:49:32 PM
2	37.21	19.16mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 5:51:36 PM
3	37.73	19.43mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 5:53:40 PM
4	37.54	19.33mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 5:55:44 PM

Mean Area 37.37
Mean Conc. 19.24mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

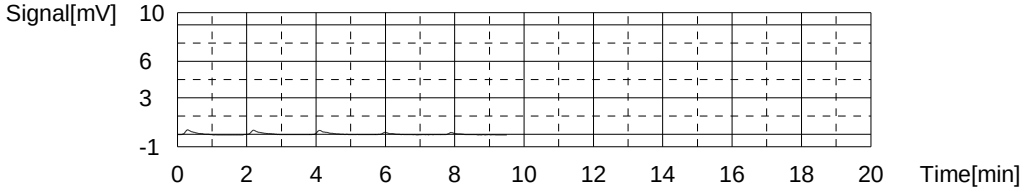
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.2104mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7056	-0.1310mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:06:05 PM
2	0.6657	-0.1521mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:08:10 PM
3	0.6076	-0.1828mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:10:14 PM
4	0.2431	-0.3754mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:12:18 PM
5	0.2219	-0.3866mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:14:23 PM

Mean Area 0.5555
Mean Conc. -0.2104mg/L



Sample

Sample Name: 640-48280-e-2
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

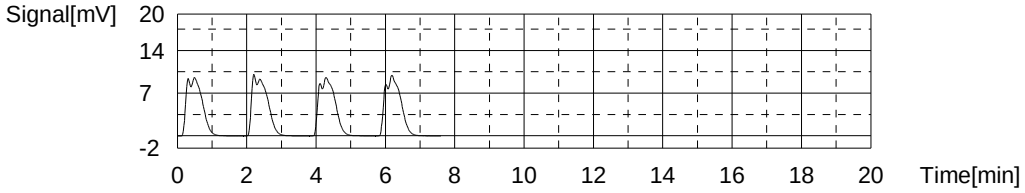
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:15.51mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	29.69	15.18mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:24:44 PM
2	30.27	15.49mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:26:48 PM
3	30.49	15.61mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:28:52 PM
4	30.82	15.78mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:30:56 PM

Mean Area 30.32
Mean Conc. 15.51mg/L



Sample

Sample Name: 640-48280-e-2 MS
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

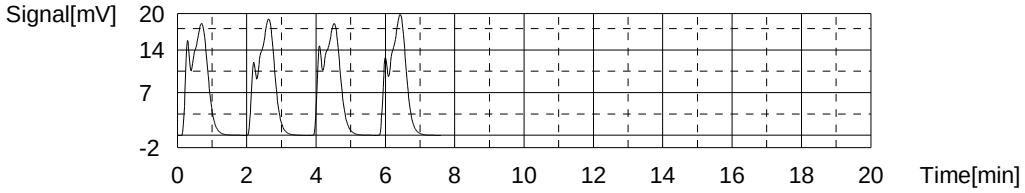
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:34.64mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	65.87	34.30mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:41:21 PM
2	65.77	34.25mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:43:25 PM
3	67.06	34.93mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:45:29 PM
4	67.38	35.10mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:47:33 PM

Mean Area 66.52
Mean Conc. 34.64mg/L



Sample

Sample Name: 640-48280-e-2 MSD
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

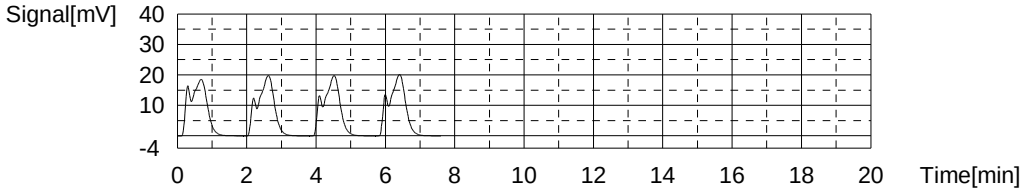
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:34.67mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	66.18	34.46mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:54:17 PM
2	66.04	34.39mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:56:21 PM
3	66.62	34.70mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 6:58:25 PM
4	67.42	35.12mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:00:29 PM

Mean Area 66.57
Mean Conc. 34.67mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

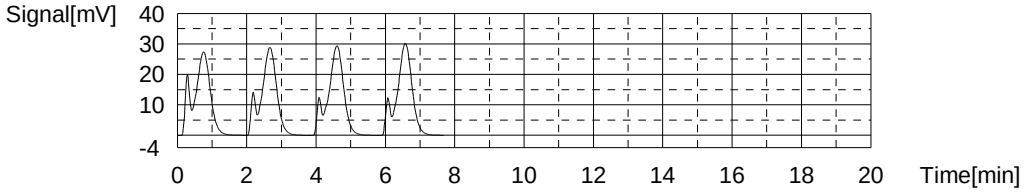
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.67mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	92.47	48.35mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:11:01 PM
2	92.04	48.13mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:13:06 PM
3	93.88	49.10mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:15:17 PM
4	93.90	49.11mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:17:21 PM

Mean Area 93.07
Mean Conc. 48.67mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

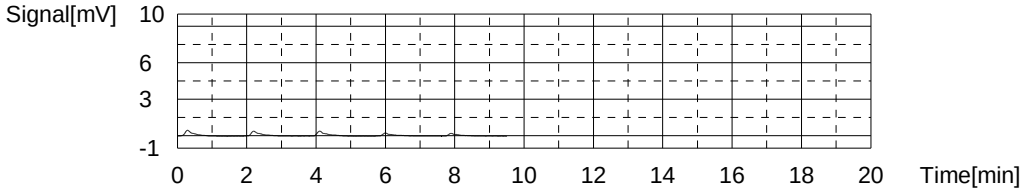
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.1625mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7438	-0.1109mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:27:45 PM
2	0.7031	-0.1324mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:29:49 PM
3	0.7699	-0.09707mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:31:54 PM
4	0.3675	-0.3097mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:33:58 PM
5	0.2881	-0.3516mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:36:02 PM

Mean Area 0.6461
Mean Conc. -0.1625mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

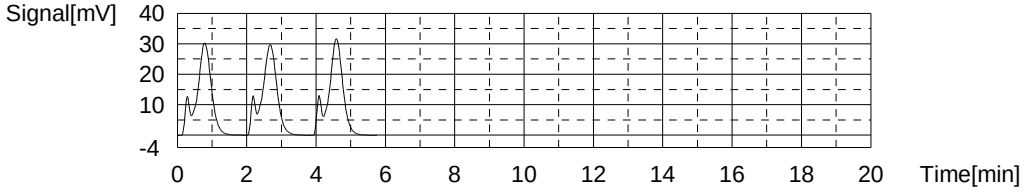
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.48mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	91.73	47.96mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:46:33 PM
2	92.47	48.35mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:48:38 PM
3	93.91	49.12mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 7:50:45 PM

Mean Area 92.70
Mean Conc. 48.48mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

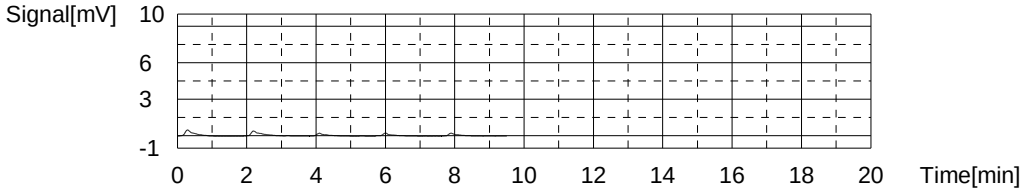
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3433mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8661	-0.04624mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:01:09 PM
2	0.7677	-0.09824mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:03:13 PM
3	0.3007	-0.3450mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:05:17 PM
4	0.2875	-0.3520mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:07:21 PM
5	0.3237	-0.3328mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:09:26 PM

Mean Area 0.3040
Mean Conc. -0.3433mg/L



Sample

Sample Name: LCS
Sample ID: 415-1
Origin: TOC415.1A.met
Status Completed
Chk. Result

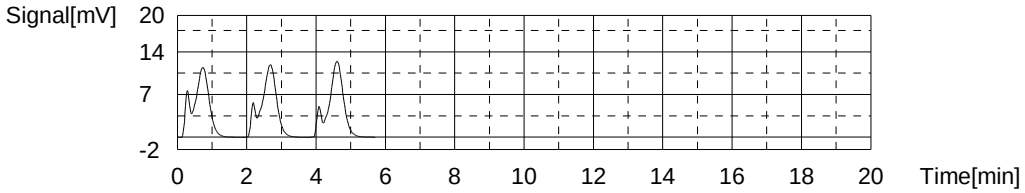
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.12mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.90	18.99mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:19:52 PM
2	37.11	19.10mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:21:56 PM
3	37.40	19.26mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:24:00 PM

Mean Area 37.14
Mean Conc. 19.12mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

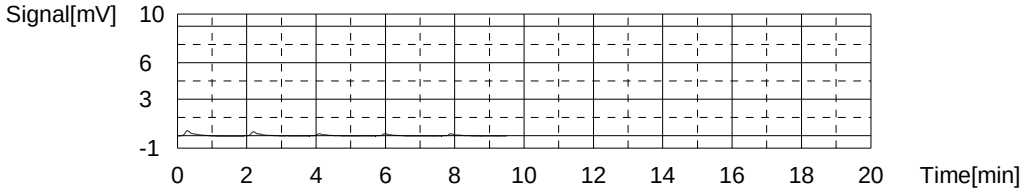
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3877mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7107	-0.1284mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:34:22 PM
2	0.4568	-0.2625mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:36:26 PM
3	0.2250	-0.3850mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:38:30 PM
4	0.2102	-0.3928mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:40:35 PM
5	0.2242	-0.3854mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:42:39 PM

Mean Area 0.2198
Mean Conc. -0.3877mg/L



Sample

Sample Name: 640-48291-f-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

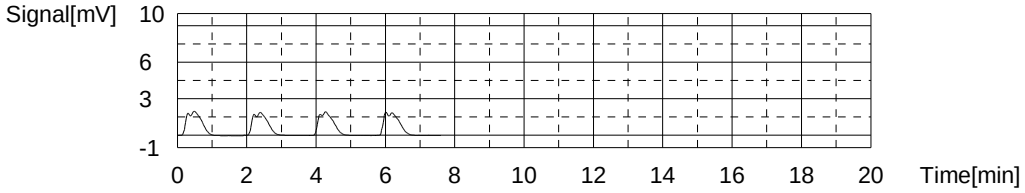
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.436mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.826	2.574mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:52:55 PM
2	5.485	2.394mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:55:00 PM
3	5.571	2.440mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:57:04 PM
4	5.637	2.475mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 8:59:08 PM

Mean Area 5.564
Mean Conc. 2.436mg/L



Sample

Sample Name: 640-48291-f-1 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

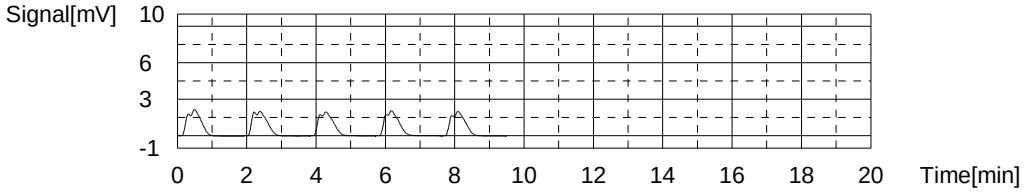
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.455mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.860	2.592mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:05:52 PM
2	5.856	2.590mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:07:56 PM
3	5.578	2.443mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:10:00 PM
4	5.575	2.442mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:12:05 PM
5	5.646	2.479mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:14:09 PM

Mean Area 5.600
Mean Conc. 2.455mg/L



Sample

Sample Name: 640-48291-f-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

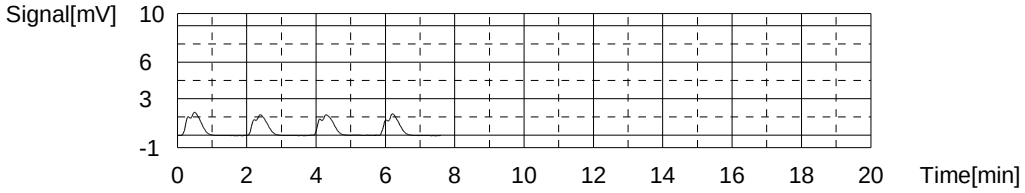
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.897mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.972	2.123mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:24:25 PM
2	4.482	1.864mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:26:30 PM
3	4.603	1.928mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:28:34 PM
4	4.547	1.899mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:30:38 PM

Mean Area 4.544
Mean Conc. 1.897mg/L



Sample

Sample Name: 640-48291-e-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

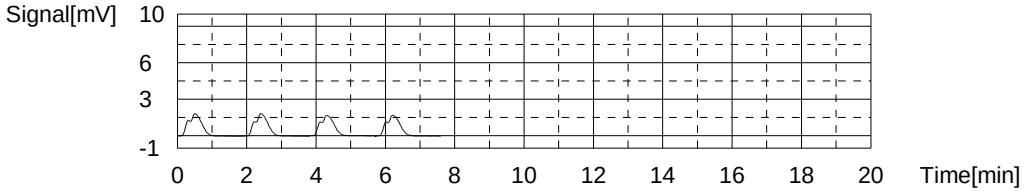
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.906mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.825	2.046mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:40:58 PM
2	4.617	1.936mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:43:02 PM
3	4.484	1.865mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:45:06 PM
4	4.584	1.918mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:47:10 PM

Mean Area 4.562
Mean Conc. 1.906mg/L



Sample

Sample Name: 640-48291-d-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

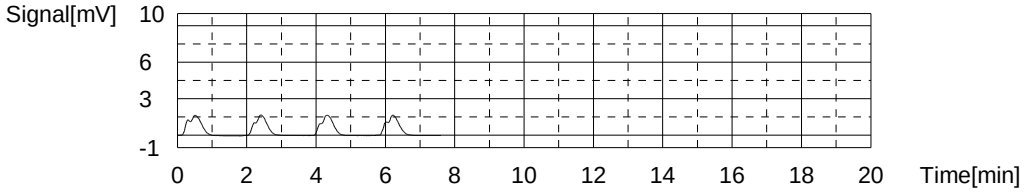
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.658mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.416	1.829mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:57:30 PM
2	4.044	1.633mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 9:59:35 PM
3	4.119	1.672mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:01:39 PM
4	4.113	1.669mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:03:43 PM

Mean Area 4.092
Mean Conc. 1.658mg/L



Sample

Sample Name: 640-48291-d-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

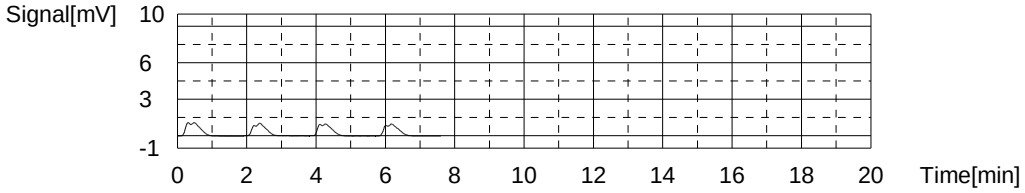
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8743mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.043	1.104mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:14:03 PM
2	2.580	0.8593mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:16:08 PM
3	2.607	0.8736mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:18:12 PM
4	2.638	0.8900mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:20:16 PM

Mean Area 2.608
Mean Conc. 0.8743mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

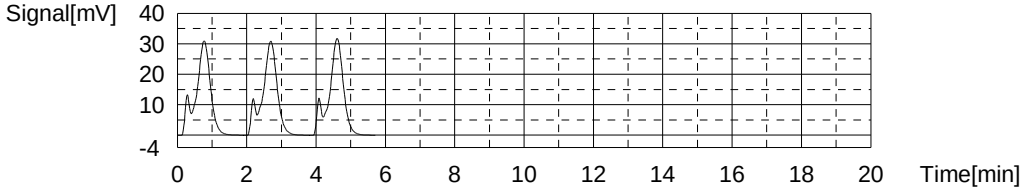
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.14mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	91.45	47.82mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:30:47 PM
2	92.04	48.13mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:32:51 PM
3	92.71	48.48mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:34:55 PM

Mean Area 92.07
Mean Conc. 48.14mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

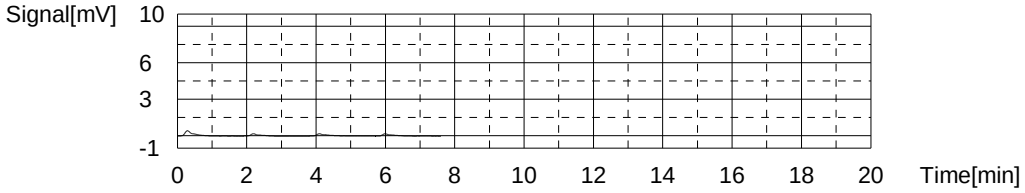
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3543mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6565	-0.1570mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:45:17 PM
2	0.3026	-0.3440mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:47:21 PM
3	0.2685	-0.3620mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:49:25 PM
4	0.2782	-0.3569mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 10:51:29 PM

Mean Area 0.2831
Mean Conc. -0.3543mg/L



Sample

Sample Name: 640-48291-f-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

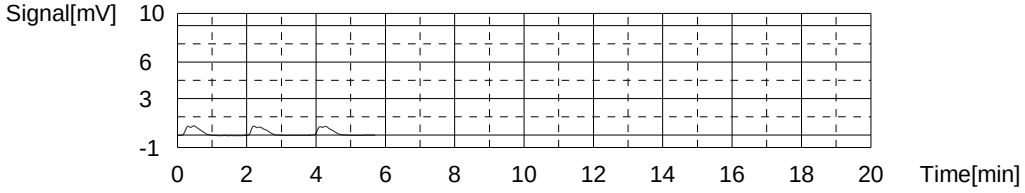
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5828mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.164	0.6395mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:01:56 PM
2	2.004	0.5550mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:04:01 PM
3	2.002	0.5539mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:06:05 PM

Mean Area 2.057
Mean Conc. 0.5828mg/L



Sample

Sample Name: 640-48291-f-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

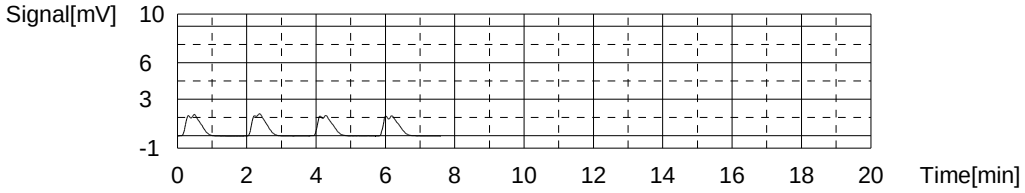
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.055mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.880	2.075mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:16:27 PM
2	4.918	2.095mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:18:31 PM
3	4.618	1.936mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:20:35 PM
4	4.730	1.995mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:22:39 PM

Mean Area 4.843
Mean Conc. 2.055mg/L



Sample

Sample Name: 640-48291-e-8
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

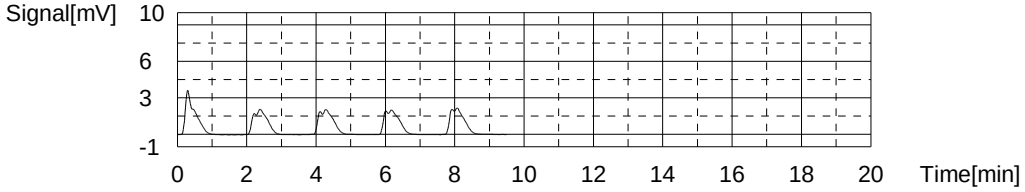
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.623mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.864	3.123mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:32:59 PM
2	5.740	2.529mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:35:04 PM
3	5.798	2.560mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:37:08 PM
4	5.987	2.659mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:39:12 PM
5	5.968	2.649mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:41:16 PM

Mean Area 5.918
Mean Conc. 2.623mg/L



Sample

Sample Name: 640-48291-f-9
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

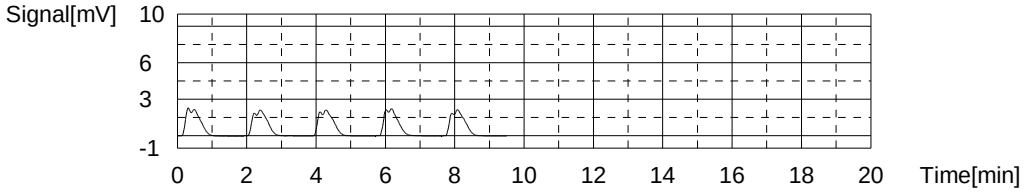
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.630mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.262	2.805mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:51:30 PM
2	5.883	2.605mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:53:34 PM
3	6.185	2.764mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:55:38 PM
4	5.974	2.653mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:57:42 PM
5	5.937	2.633mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/1/2014 11:59:46 PM

Mean Area 5.931
Mean Conc. 2.630mg/L



Sample

Sample Name: 640-48291-f-10
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

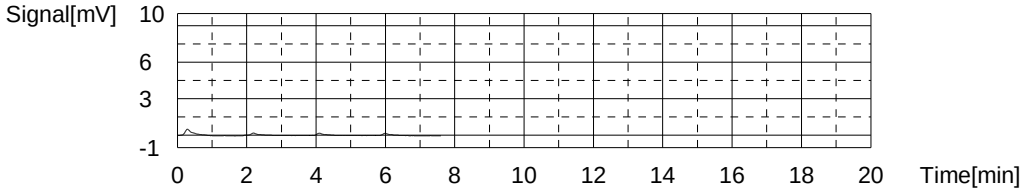
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3763mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8007	-0.08080mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 12:10:13 AM
2	0.2422	-0.3759mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 12:12:17 AM
3	0.2437	-0.3751mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 12:14:21 AM
4	0.2382	-0.3780mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 12:16:25 AM

Mean Area 0.2414
Mean Conc. -0.3763mg/L



Sample

Sample Name: 680-102273-b-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

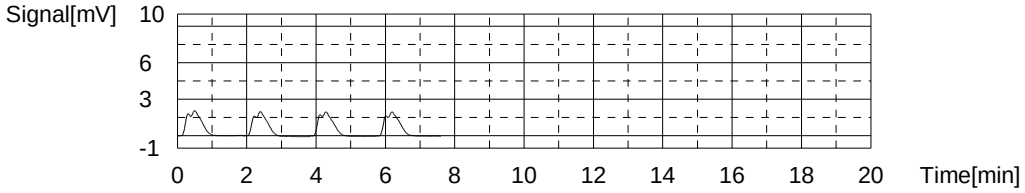
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.421mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.798	2.560mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 12:26:45 AM
2	5.449	2.375mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 12:28:50 AM
3	5.541	2.424mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 12:30:54 AM
4	5.617	2.464mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 12:32:58 AM

Mean Area 5.536
Mean Conc. 2.421mg/L



Sample

Sample Name: 680-102273-b-2 ms
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

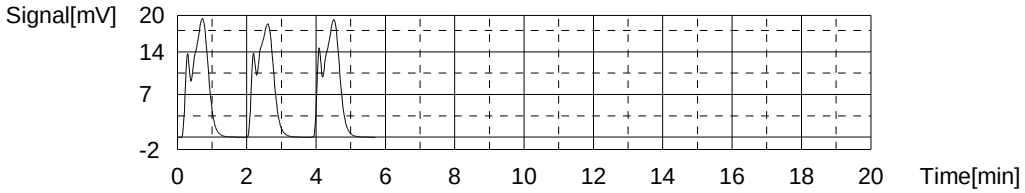
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:34.55mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	66.55	34.66mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 12:43:25 AM
2	65.61	34.16mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 12:45:29 AM
3	66.87	34.83mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 12:47:33 AM

Mean Area 66.34
Mean Conc. 34.55mg/L



Sample

Sample Name: 680-102273-c-2 msd
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

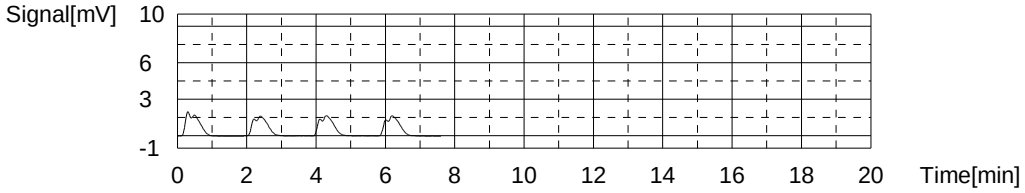
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.918mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.027	2.152mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 12:58:04 AM
2	4.517	1.883mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 1:00:08 AM
3	4.572	1.912mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 1:02:12 AM
4	4.663	1.960mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 1:04:16 AM

Mean Area 4.584
Mean Conc. 1.918mg/L



Sample

Sample Name: 680-102273-d-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

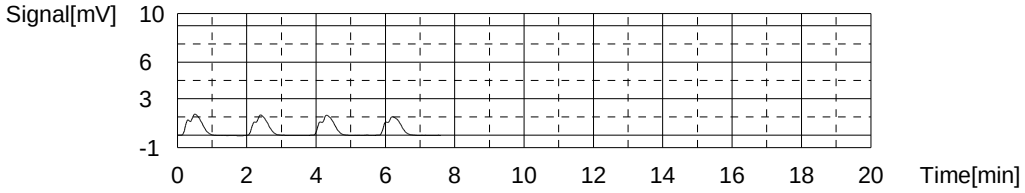
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.810mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.739	2.000mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 1:14:36 AM
2	4.354	1.797mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 1:16:40 AM
3	4.393	1.817mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 1:18:44 AM
4	4.393	1.817mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 1:20:49 AM

Mean Area 4.380
Mean Conc. 1.810mg/L



Sample

Sample Name: 680-102273-c-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

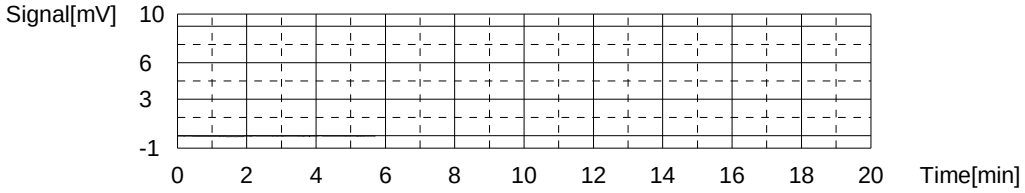
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.5039mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.5039mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 1:29:06 AM
2	0.000	-0.5039mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 1:31:11 AM
3	0.000	-0.5039mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 1:33:15 AM

Mean Area 0.000
Mean Conc. -0.5039mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

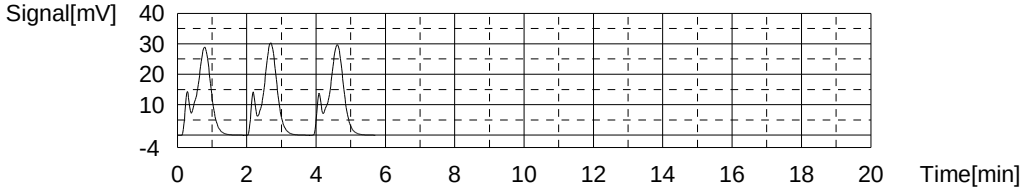
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.10mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	90.78	47.46mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 1:43:48 AM
2	91.52	47.85mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 1:45:52 AM
3	93.65	48.98mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 1:47:56 AM

Mean Area 91.98
Mean Conc. 48.10mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

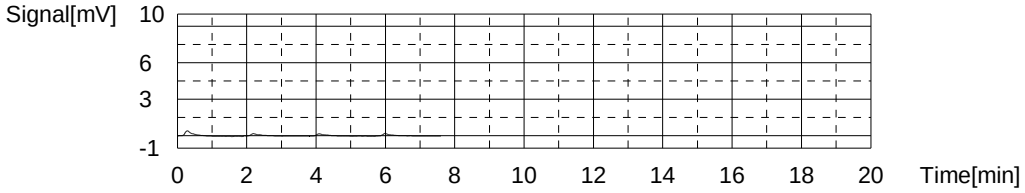
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3665mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6411	-0.1651mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 1:58:17 AM
2	0.2639	-0.3644mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 2:00:21 AM
3	0.2696	-0.3614mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 2:02:25 AM
4	0.2465	-0.3736mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 2:04:29 AM

Mean Area 0.2600
Mean Conc. -0.3665mg/L



Sample

Sample Name: 680-102273-b-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

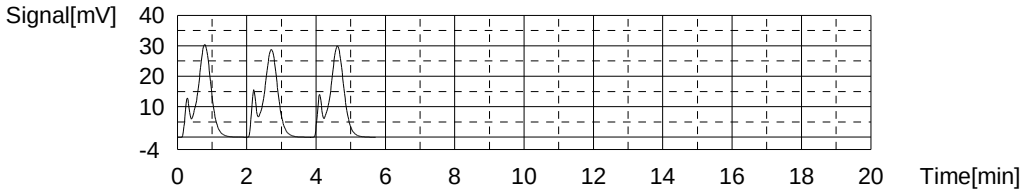
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.03mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	91.36	47.77mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 2:15:06 AM
2	91.25	47.71mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 2:17:10 AM
3	92.96	48.61mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 2:19:14 AM

Mean Area 91.86
Mean Conc. 48.03mg/L



Sample

Sample Name: 680-102273-c-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

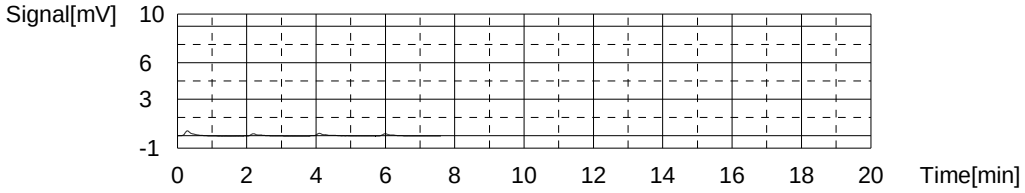
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3785mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6215	-0.1755mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 2:29:35 AM
2	0.2377	-0.3783mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 2:31:39 AM
3	0.2151	-0.3902mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 2:33:43 AM
4	0.2592	-0.3669mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 2:35:48 AM

Mean Area 0.2373
Mean Conc. -0.3785mg/L



Sample

Sample Name: 680-102273-d-7
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

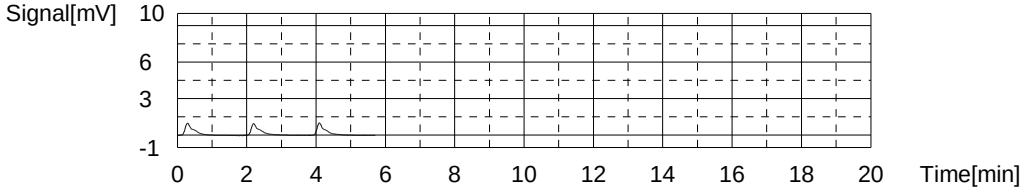
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3306mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.585	0.3336mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 2:46:07 AM
2	1.546	0.3130mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 2:48:11 AM
3	1.607	0.3452mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 2:50:15 AM

Mean Area 1.579
Mean Conc. 0.3306mg/L



Sample

Sample Name: 680-102273-d-8
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

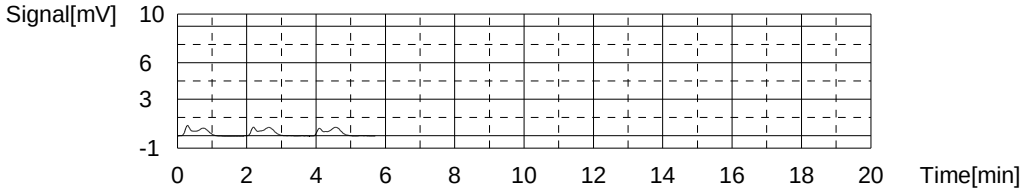
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7852mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.477	0.8049mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 3:00:36 AM
2	2.409	0.7690mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 3:02:40 AM
3	2.433	0.7817mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 3:04:44 AM

Mean Area 2.440
Mean Conc. 0.7852mg/L



Sample

Sample Name: LCS
Sample ID: 415-2
Origin: TOC415.1A.met
Status Completed
Chk. Result

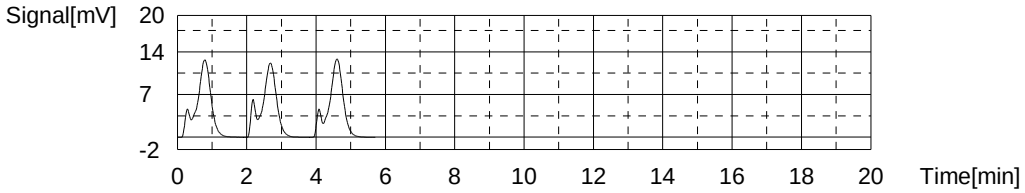
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.90mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.72	18.90mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 3:15:06 AM
2	36.64	18.86mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 3:17:10 AM
3	36.82	18.95mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 3:19:14 AM

Mean Area 36.73
Mean Conc. 18.90mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

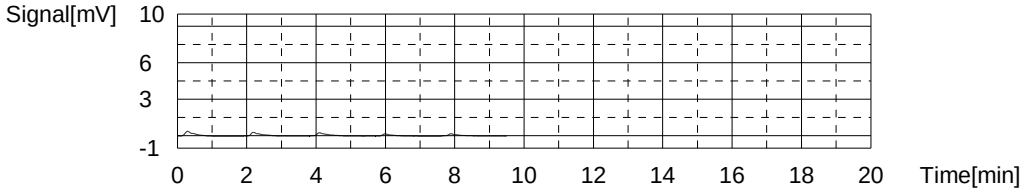
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.2057mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6804	-0.1444mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 3:29:35 AM
2	0.5449	-0.2160mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 3:31:40 AM
3	0.4675	-0.2569mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 3:33:44 AM
4	0.2257	-0.3846mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 3:35:48 AM
5	0.2105	-0.3926mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 3:37:52 AM

Mean Area 0.5643
Mean Conc. -0.2057mg/L



Sample

Sample Name: 680-102273-d-9
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

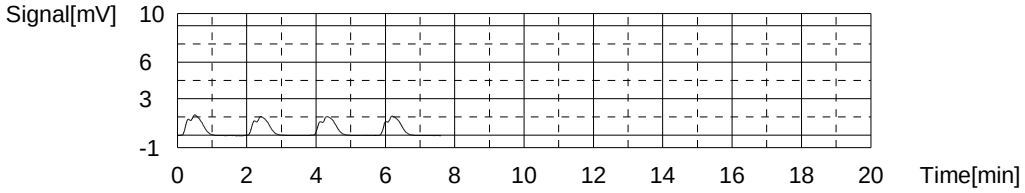
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.898mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.778	2.021mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 3:48:18 AM
2	4.471	1.858mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 3:50:22 AM
3	4.546	1.898mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 3:52:26 AM
4	4.622	1.938mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 3:54:30 AM

Mean Area 4.546
Mean Conc. 1.898mg/L



Sample

Sample Name: 680-102273-c-9 ms
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

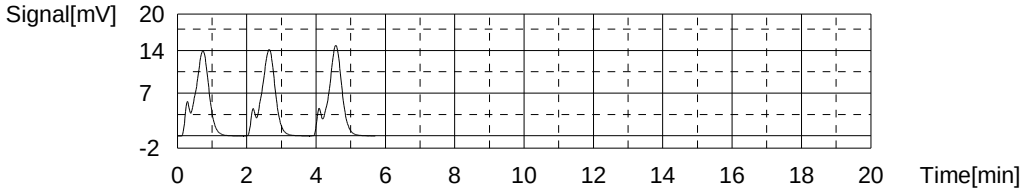
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.14mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.08	21.20mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 4:04:49 AM
2	40.44	20.86mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 4:06:53 AM
3	41.38	21.36mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 4:08:57 AM

Mean Area 40.97
Mean Conc. 21.14mg/L



Sample

Sample Name: 680-102273-c-9 msd
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

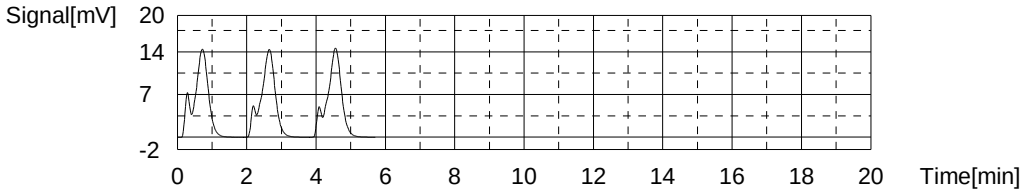
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.35mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.57	21.46mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 4:15:43 AM
2	41.05	21.19mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 4:17:47 AM
3	41.48	21.41mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 4:19:51 AM

Mean Area 41.37
Mean Conc. 21.35mg/L



Sample

Sample Name: 680-102273-d-10
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

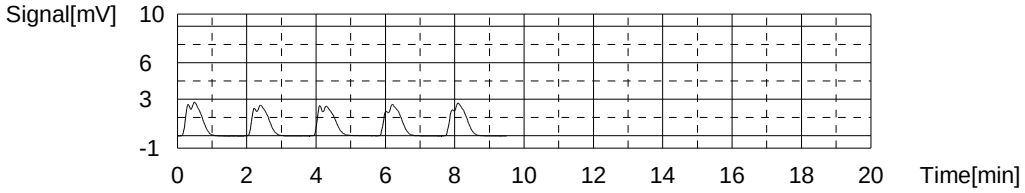
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.589mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.018	3.733mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 4:30:12 AM
2	7.429	3.421mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 4:32:16 AM
3	7.683	3.556mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 4:34:20 AM
4	7.743	3.587mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 4:36:24 AM
5	7.811	3.623mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 4:38:28 AM

Mean Area 7.746
Mean Conc. 3.589mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

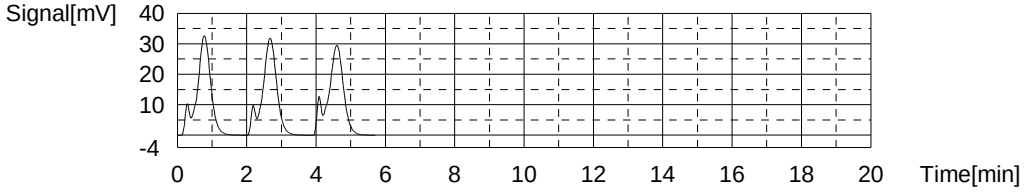
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.24mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	91.88	48.04mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 4:48:44 AM
2	92.03	48.12mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 4:50:48 AM
3	92.84	48.55mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 4:52:51 AM

Mean Area 92.25
Mean Conc. 48.24mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

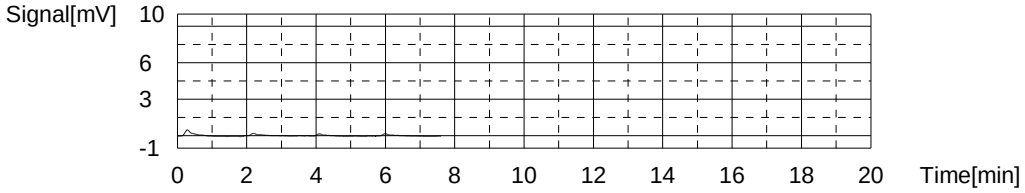
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.3637mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7493	-0.1080mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 5:03:13 AM
2	0.2769	-0.3576mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 5:05:17 AM
3	0.2766	-0.3577mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 5:07:21 AM
4	0.2426	-0.3757mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 5:09:25 AM

Mean Area 0.2654
Mean Conc. -0.3637mg/L



Sample

Sample Name: 680-102273-b-14
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

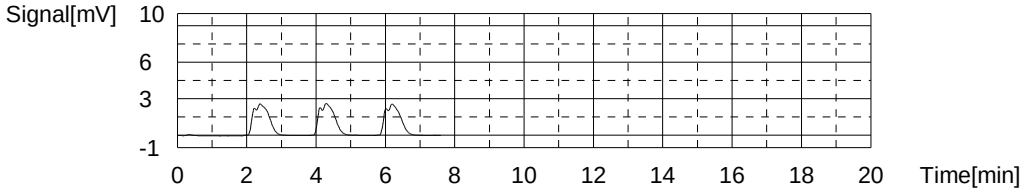
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.639mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.5039mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 5:20:03 AM
2	7.891	3.665mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 5:22:07 AM
3	7.890	3.665mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 5:24:10 AM
4	7.743	3.587mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 5:26:14 AM

Mean Area 7.841
Mean Conc. 3.639mg/L



Sample

Sample Name: 680-102273-b-14 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

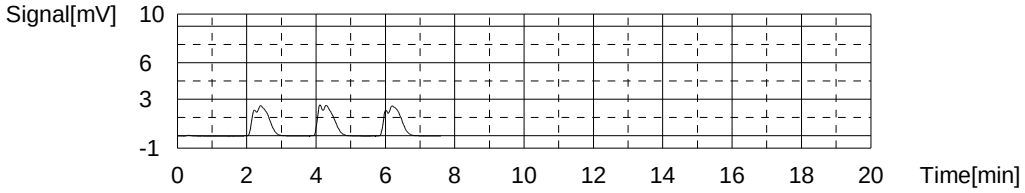
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.515mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.5039mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 5:32:58 AM
2	7.515	3.467mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 5:35:02 AM
3	7.647	3.537mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 5:37:06 AM
4	7.659	3.543mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 5:39:10 AM

Mean Area 7.607
Mean Conc. 3.515mg/L



Sample

Sample Name: 680-102273-b-15
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

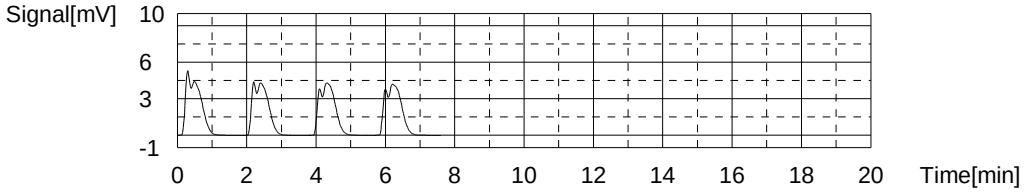
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.751mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	14.48	7.147mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 5:49:30 AM
2	13.71	6.740mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 5:51:33 AM
3	13.72	6.745mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 5:53:37 AM
4	13.76	6.766mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 5:55:41 AM

Mean Area 13.73
Mean Conc. 6.751mg/L



Sample

Sample Name: 680-102273-d-16
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

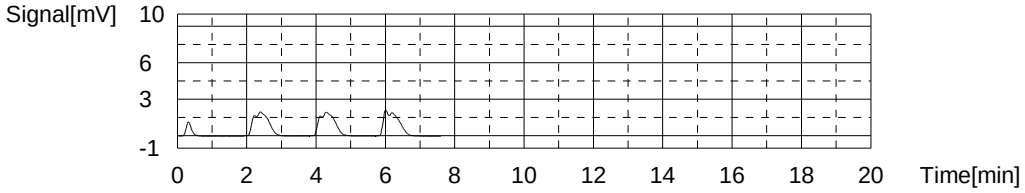
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.665mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.103	0.07893mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 6:06:02 AM
2	5.974	2.653mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 6:08:06 AM
3	5.926	2.627mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 6:10:10 AM
4	6.091	2.714mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 6:12:14 AM

Mean Area 5.997
Mean Conc. 2.665mg/L



Sample

Sample Name: 680-102273-b-17
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

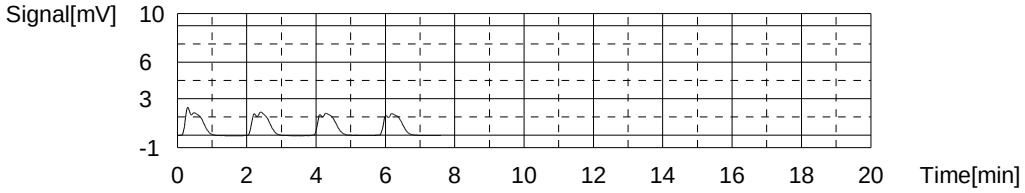
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.590mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.451	2.905mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 6:22:35 AM
2	5.970	2.650mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 6:24:39 AM
3	5.820	2.571mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 6:26:43 AM
4	5.779	2.550mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 6:28:47 AM

Mean Area 5.856
Mean Conc. 2.590mg/L



Sample

Sample Name: 680-102273-c-18
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

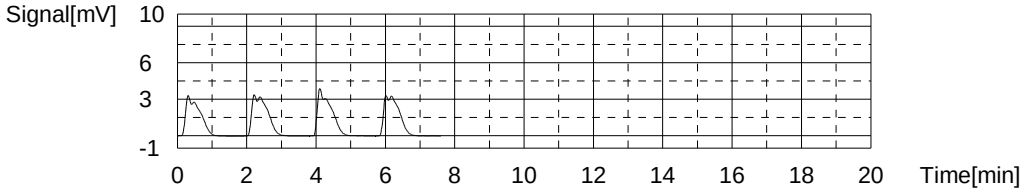
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.884mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.088	4.298mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 6:39:07 AM
2	10.30	4.938mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 6:41:11 AM
3	10.26	4.917mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 6:43:15 AM
4	10.03	4.796mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 6:45:19 AM

Mean Area 10.20
Mean Conc. 4.884mg/L



Sample

Sample Name: 680-102273-c-19
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

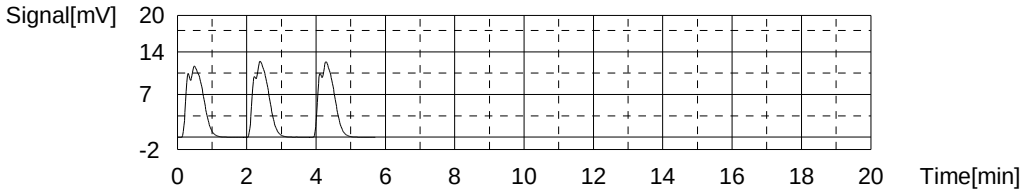
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.15mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.28	19.19mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 6:55:40 AM
2	37.19	19.15mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 6:57:44 AM
3	37.14	19.12mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 6:59:48 AM

Mean Area 37.20
Mean Conc. 19.15mg/L



Sample

Sample Name: 680-102273-b-20
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

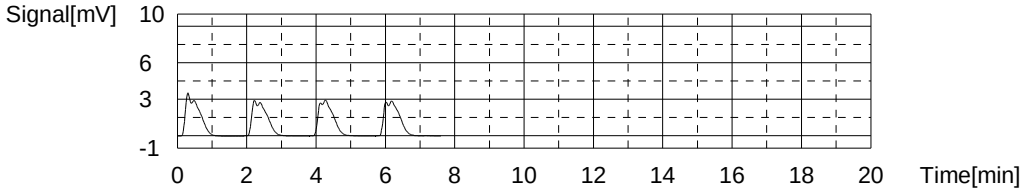
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.944mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.219	4.367mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 7:10:09 AM
2	8.346	3.906mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 7:12:13 AM
3	8.331	3.898mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 7:14:17 AM
4	8.579	4.029mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 7:16:20 AM

Mean Area 8.419
Mean Conc. 3.944mg/L



Sample

Sample Name: 680-102273-b-21
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

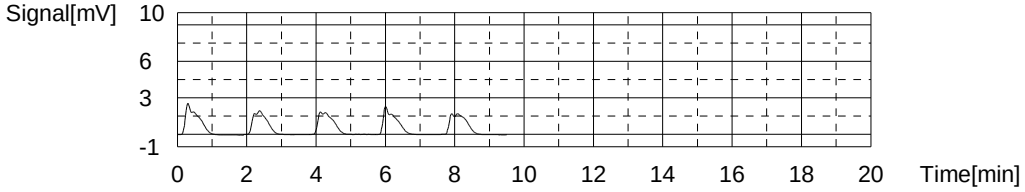
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.436mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.336	2.844mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 7:26:42 AM
2	5.339	2.317mg/L	50uL	1	E	TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 7:28:46 AM
3	5.479	2.391mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 7:30:50 AM
4	5.592	2.451mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 7:32:53 AM
5	5.621	2.466mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 7:34:57 AM

Mean Area 5.564
Mean Conc. 2.436mg/L



Sample

Sample Name: 680-102273-d-22
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

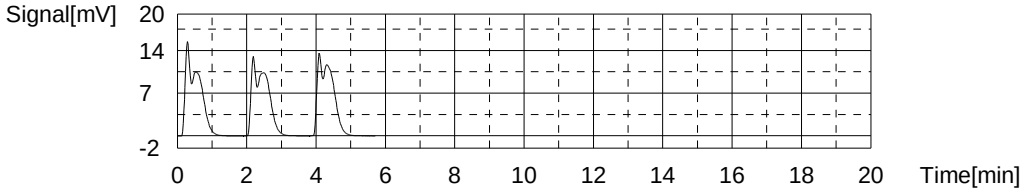
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.33mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	39.46	20.35mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 7:45:12 AM
2	38.94	20.07mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 7:47:16 AM
3	39.89	20.57mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 7:49:20 AM

Mean Area 39.43
Mean Conc. 20.33mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

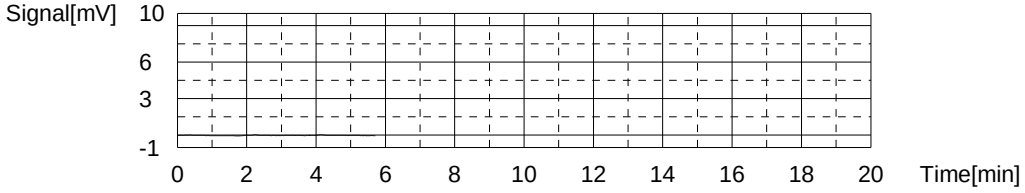
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:-0.5039mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.5039mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 8:14:21 AM
2	0.000	-0.5039mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 8:16:25 AM
3	0.000	-0.5039mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 8:18:29 AM

Mean Area 0.000
Mean Conc. -0.5039mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

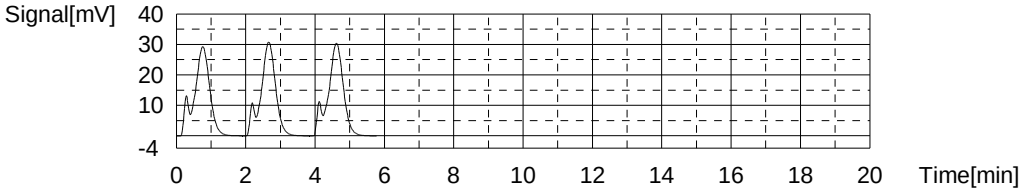
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.78mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	92.71	48.48mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 8:50:51 AM
2	92.44	48.34mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 8:52:57 AM
3	94.66	49.51mg/L	50uL	1		TOCCURVE100.2014_06_30_16_03_57.cal	7/2/2014 8:55:03 AM

Mean Area	93.27
Mean Conc.	48.78mg/L



	Sample Name	Sample ID	Dilution	Result	Status	Date / Time	Vial
1	TC	TC	1.000		Completed	6/30/2014 5:14:59 PM	1, 2, 3, 4, 5, 6

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Cal. Curve

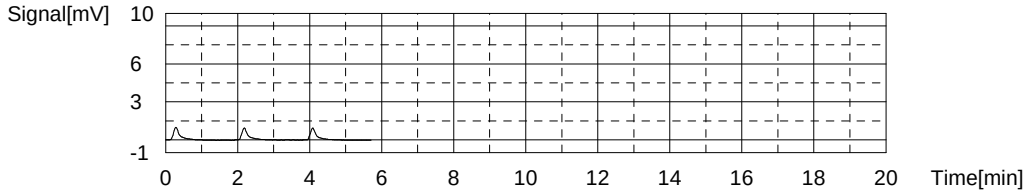
Sample Name:	TC
Sample ID:	TC
Cal. Curve:	TOCCURVE100.2014_06_30_16_03_57.cal
Status	Completed

Type	Anal.
Standard	TC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.178	50uL	1	*******		6/30/2014 4:08:54 PM
2	1.140	50uL	1	*******		6/30/2014 4:10:57 PM
3	1.090	50uL	1	*******		6/30/2014 4:13:00 PM

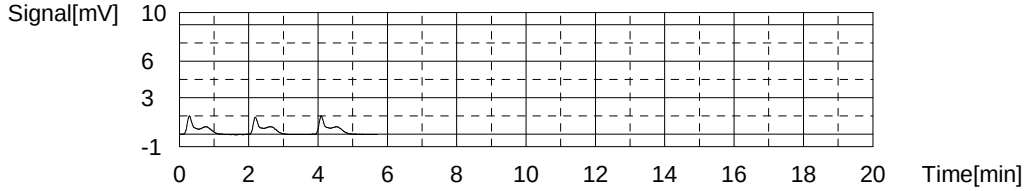
Acid Add. 0.000%
Mean Area 1.136



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	3.197	50uL	1	*******		6/30/2014 4:18:53 PM
2	3.099	50uL	1	*******		6/30/2014 4:20:56 PM
3	3.136	50uL	1	*******		6/30/2014 4:22:59 PM

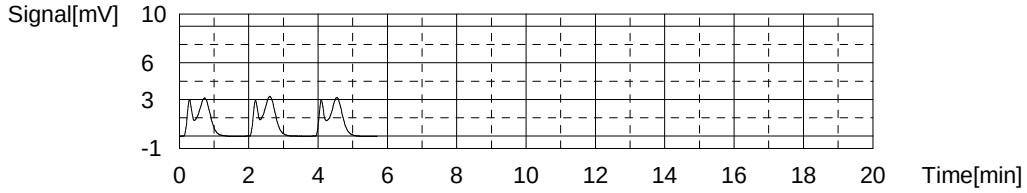
Acid Add. 0.000%
Mean Area 3.144



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	10.57	50uL	1	*******		6/30/2014 4:28:51 PM
2	10.50	50uL	1	*******		6/30/2014 4:30:54 PM
3	10.40	50uL	1	*******		6/30/2014 4:32:57 PM

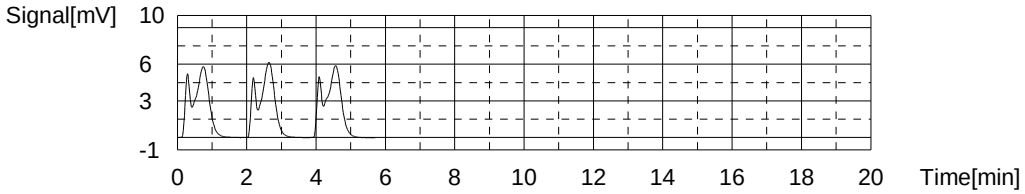
Acid Add. 0.000%
Mean Area 10.49



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	20.15	50uL	1	*******		6/30/2014 4:38:50 PM
2	20.04	50uL	1	*******		6/30/2014 4:40:53 PM
3	20.45	50uL	1	*******		6/30/2014 4:42:56 PM

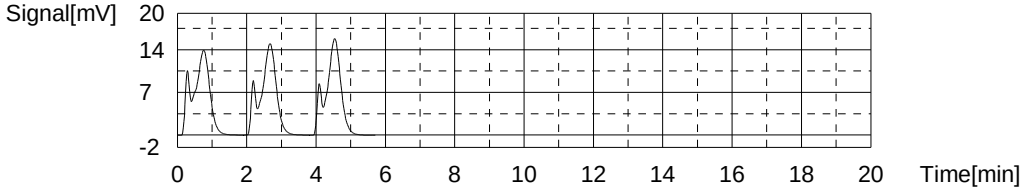
Acid Add. 0.000%
Mean Area 20.21



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	47.37	50uL	1	*******		6/30/2014 4:48:49 PM
2	47.71	50uL	1	*******		6/30/2014 4:50:52 PM
3	47.79	50uL	1	*******		6/30/2014 4:52:55 PM

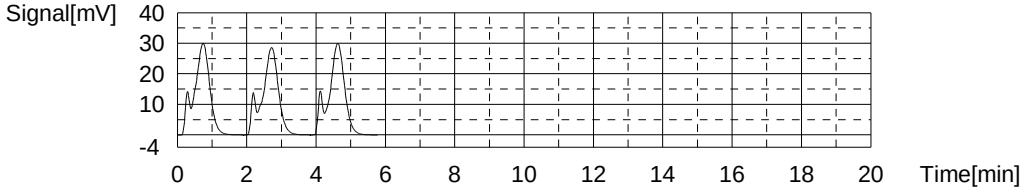
Acid Add. 0.000%
Mean Area 47.62



Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	94.43	50uL	1	*******		6/30/2014 4:58:48 PM
2	94.31	50uL	1	*******		6/30/2014 5:00:53 PM
3	95.84	50uL	1	*******		6/30/2014 5:02:58 PM

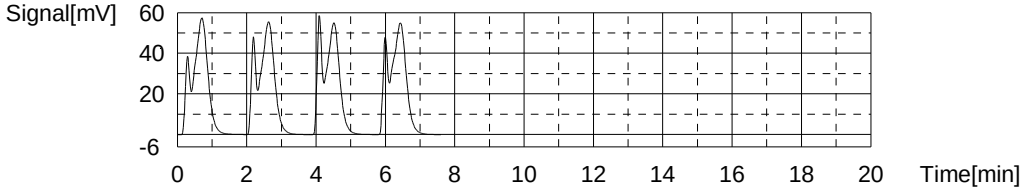
Acid Add. 0.000%
Mean Area 94.86



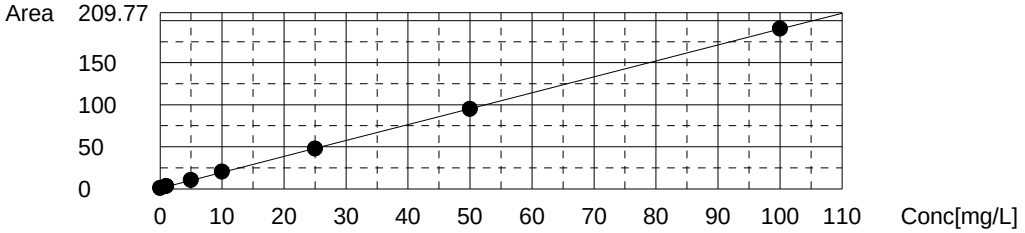
Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	180.3	50uL	1	*******	E	6/30/2014 5:08:50 PM
2	187.6	50uL	1	*******		6/30/2014 5:10:53 PM
3	193.0	50uL	1	*******		6/30/2014 5:12:56 PM
4	191.5	50uL	1	*******		6/30/2014 5:14:59 PM

Acid Add. 0.000%
Mean Area 190.7



Slope: 1.893
Intercept 0.9536
r^2 1.0000
r 1.0000
Zero Shift No



GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-102773-1

SDG No.: 680102773-1

Batch Number: 337642 Batch Start Date: 07/03/14 09:16 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 07/03/14 09:16

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 ICV 00022		
ICV 680-337642/10		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		

Batch Notes	
Buffer Reagent ID Number	EDTA_BUFFER00028
EDTA Lot Number	61177
Hypochlorite Reagent ID Number	HYPOSOL00493
NaOH Lot #	64922
Sodium Nitroprusside Reagent ID	3598343
Pipette ID	GE1
Perform Calculation (0=No, 1=Yes)	0
Sodium Phenolate Reagent ID Number	SODPHENATE00488

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.: 680-102773-1

SDG No.: 680102773-1

Batch Number: 338038 Batch Start Date: 07/07/14 11:26 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 07/07/14 18:47

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 LCS 00048		
CCB 680-338038/2		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-338038/4		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
MB 680-338038/5		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-338038/6		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-338038/7		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
LCS 680-338038/12		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-338038/13		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-338038/20		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCV 680-338038/22		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-338038/23		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.: 680-102773-1

SDG No.: 680102773-1

Batch Number: 338038 Batch Start Date: 07/07/14 11:26 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 07/07/14 18:47

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 LCS 00048		
CCV 680-338038/30		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-338038/31		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-338038/41		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-338038/42		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-102773-G-1	SMSMW04A	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-338038/45		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-338038/46		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.: 680-102773-1

SDG No.: 680102773-1

Batch Number: 338038 Batch Start Date: 07/07/14 11:26 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 07/07/14 18:47

Batch Notes	
Batch Comment	PRESERVATION: 337923 & DILUTION: 337924
Buffer Reagent ID Number	edta_buffer00028
EDTA Lot Number	61177
Hypochlorite Reagent ID Number	hyposol00494
NaOH Lot #	64922
Sodium Nitroprusside Reagent ID	3598343
Pipette ID	GE1
Perform Calculation (0=No, 1=Yes)	0
Sodium Phenolate Reagent ID Number	sodphenate00489

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.: 680-102773-1

SDG No.: 680102773-1

Batch Number: 322376 Batch Start Date: 04/01/14 15:04 Batch Analyst: Xiang, George R

Batch Method: 365.1 Batch End Date: 04/01/14 15:04

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	PO4 ICV 00015			
ICB 680-322376/9		365.1		2 mL	2 mL				
ICV 680-322376/10		365.1		2 mL	2 mL	2 mL			

Batch Notes	
Ammonium Molybdate Reagent ID Number	ortho reagent 1 00021
Ascorbic Acid Reagent ID Number	ortho reagent 2 00340
Potassium Antimonyl Tartrate Reagent ID	ortho reagent 1 00021
Pipette ID	ge1

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.: 680-102773-1

SDG No.: 680102773-1

Batch Number: 336703 Batch Start Date: 06/27/14 14:50 Batch Analyst: Xiang, George R

Batch Method: 365.1 Batch End Date: 06/27/14 14:57

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	PO4 100ppm 00093	PO4 LCS 00118		
LCS 680-336703/1		365.1		2 mL	2 mL		2 mL		
MB 680-336703/2		365.1		2 mL	2 mL				
680-102773-E-1	SMSMW04A	365.1	T	2 mL	2 mL				
680-102773-E-1 MS	SMSMW04A	365.1	T	10 mL	10 mL	0.1 mL			
680-102773-E-1 MSD	SMSMW04A	365.1	T	10 mL	10 mL	0.1 mL			
CCV 680-336703/7		365.1		2 mL	2 mL		2 mL		
CCB 680-336703/8		365.1		2 mL	2 mL				

Batch Notes	
Ammonium Molybdate Reagent ID Number	ortho reagent 1 00021
Ascorbic Acid Reagent ID Number	ortho reagent 00378
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.: 680-102773-1

SDG No.: 680102773-1

Batch Number: 337572 Batch Start Date: 07/03/14 11:59 Batch Analyst: Orr, Ashley J

Batch Method: 4500 S2 F-2011 Batch End Date: 07/03/14 13:43

Lab Sample ID	Client Sample ID	Method Chain	Basis	BuretStart1	BuretStop1	TitrantVolume1	IodineAmount	InitialAmount	FinalAmount
MB 680-337572/1		4500 S2 F-2011		0 mL	9.90 mL	9.9 mL	2.5 mL	250 mL	250 mL
LCS 680-337572/2		4500 S2 F-2011		0 mL	3.25 mL	3.25 mL	2.5 mL	250 mL	250 mL
680-102773-H-1	SMSMW04A	4500 S2 F-2011	T	0 mL	14.50 mL	14.5 mL	2.5 mL	250 mL	250 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	Final pH	SulfideCheck	CalcMsg	SulfideLCS 00349	
MB 680-337572/1		4500 S2 F-2011		7 SU	<2 SU	N	OK		
LCS 680-337572/2		4500 S2 F-2011		>9 SU	<2 SU	N	OK	285 uL	
680-102773-H-1	SMSMW04A	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		

Batch Notes	
First End time	07/03/14 13:43
Lot # of hydrochloric acid	3640684
Iodine Lot Number	3402248
Iodine Vendor	Ricca
Normality of Iodine Solution	0.09756144 N
Lead Acetate Paper Lot #	3375790
Sodium Thiosulfate Lot Number	3644572
Sodium Thiosulfate Vendor	Ricca
Nominal Amount Used	250 mL
pH Strip Lot #	3376409
Pipette ID	GE2
Perform Calculation (0=No, 1=Yes)	1
Starch Lot Number	3581468
Starch Vendor	Fisher
First Start time	07/03/14 11:59
Normality of first Titrant	0.02439036 N
Titrant Standardization Date	07.03.14

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.: 680-102773-1

SDG No.: 680102773-1

Batch Number: 337572 Batch Start Date: 07/03/14 11:59 Batch Analyst: Orr, Ashley J

Batch Method: 4500 S2 F-2011 Batch End Date: 07/03/14 13:43

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.: 680-102773-1

SDG No.: 680102773-1

Batch Number: 337250 Batch Start Date: 07/01/14 17:30 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2320B-2011 Batch End Date: 07/01/14 20:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	AlkalinityLCS 00034				
MB 680-337250/2		2320B-2011		InitialAmount is blank					
LCS 680-337250/4		2320B-2011		InitialAmount is blank	25 mL				
680-102773-J-1	SMSMW04A	2320B-2011	T	InitialAmount is blank					
LCSD 680-337250/30		2320B-2011		InitialAmount is blank	25 mL				

Batch Notes	
pH Buffer 1 ID	3598695
pH Buffer 2 ID	3558917
pH Buffer 3 ID	3516376
First End time	20:45
Sulfuric Acid Lot Number	HC311143
Sulfuric Acid Vendor	EMD
Nominal Amount Used	25 mL
Pipette ID	PC titrate
Probe ID	PC titrate
First Start time	17:30
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.: 680-102773-1

SDG No.: 680102773-1

Batch Number: 337098 Batch Start Date: 07/01/14 11:29 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2540C-2011 Batch End Date: 07/02/14 12:58

Lab Sample ID	Client Sample ID	Method Chain	Basis	Conductivity	CrucibleID	InitialAmount	TareWeight	Weight1	Weight2
MB 680-337098/1		2540C-2011			1	100 mL	97.0281 g	97.0284 g	97.0282 g
LCS 680-337098/2		2540C-2011			2	100 mL	92.3281 g	92.3310 g	92.3309 g
LCSD 680-337098/3		2540C-2011			3	100 mL	89.7541 g	89.7572 g	89.7570 g
680-102773-J-1	SMSMW04A	2540C-2011	T	4980 umhos/cm	25	10 mL	63.9035 g	64.0524 g	64.0523 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	Weight3	WeightOne%Diff	Residue	Residue2	FinalAmount	TS/TDS LCS 00243
MB 680-337098/1		2540C-2011		0 g	PASS_D	0.00030 g	0.00010 g	100 mL	
LCS 680-337098/2		2540C-2011		0 g	PASS_D	0.00290 g	0.00280 g	100 mL	100 mL
LCSD 680-337098/3		2540C-2011		0 g	PASS_D	0.00310 g	0.00290 g	100 mL	100 mL
680-102773-J-1	SMSMW04A	2540C-2011	T	0 g	PASS_D	0.14890 g	0.14880 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.: 680-102773-1

SDG No.: 680102773-1

Batch Number: 337098 Batch Start Date: 07/01/14 11:29 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2540C-2011 Batch End Date: 07/02/14 12:58

Batch Notes	
Balance ID	13
Conductivity Meter ID	PC Titrate
Constant Weight (WT2) Date/Time in Oven	7-2-14 10:34
Constant Weight (WT2) Date/Time Out	7-2-14 11:34
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	7-1-14
Oven Temp when samples are put in oven	104 Celsius
Nominal Amount Used	100 mL
Date samples were removed from oven	7-2-14
Oven Temp when samples removed from oven	180 Celsius
Oven ID	B
ID number of the thermometer	GE01
Uncorrected In Temperature	104 Celsius
Uncorrected Out Temperature	180 Celsius
Weight(WT1) Start Date/Time	7-2-14 8:25
Weight(WT1) Date/Time Out	7-2-14 9:25
Weight(WT1) Start Temp	180 Celsius
Weight(WT1) Temp Out	180 Celsius
Uncorrected Weight(WT1) Start Temp	180 Celsius
Uncorrected Weight(WT1) Temp Out	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.: 680-102773-1

SDG No.: 680102773-1

Batch Number: 338451 Batch Start Date: 07/08/14 15:59 Batch Analyst: Pulley, Christopher M

Batch Method: 5310 B-2011 Batch End Date: 07/09/14 01:18

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TOC LCS/ICV 00033	TOCCALSTD4 00073		
CCV 680-338451/1		5310 B-2011		25 mL	25 mL		25 mL		
CCB 680-338451/2		5310 B-2011		25 mL	25 mL				
MB 680-338451/5		5310 B-2011		25 mL	25 mL				
LCS 680-338451/6		5310 B-2011		25 mL	25 mL	25 mL			
CCV 680-338451/13		5310 B-2011		25 mL	25 mL		25 mL		
CCB 680-338451/14		5310 B-2011		25 mL	25 mL				
CCV 680-338451/25		5310 B-2011		25 mL	25 mL		25 mL		
CCB 680-338451/26		5310 B-2011		25 mL	25 mL				
680-102773-B-1	SMSMW04A	5310 B-2011	T	25 mL	25 mL				
CCV 680-338451/34		5310 B-2011		25 mL	25 mL		25 mL		
CCB 680-338451/35		5310 B-2011		25 mL	25 mL				

Batch Notes	
Pipette ID	GE6
Sulfuric Acid Reagent ID Number	50% H2SO4_00003

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 85281

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) TN	MATRIX TYPE	REQUIRED ANALYSIS	PAGE 1 OF 1
TAL (LAB) PROJECT MANAGER ~~Janice Austin~~	P.O. NUMBER	CONTRACT NO.			STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM Janice Austin	CLIENT PHONE 404-443-2777	CLIENT FAX			DATE DUE
CLIENT NAME JMWaller Assoc. Inc	CLIENT E-MAIL janice.austin@jmwaller.com				EXPEDITED REPORT DELIVERY (SURCHARGE) ○
CLIENT ADDRESS 100 Hartsfield Centre Pkwy Suite 610 Atl 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, ...)	360 ORGFM 28D NO2 NO3	350.1 Ammonia	2320B Alkalinity	2540 TDS	SM4500.S2-F Sulfide	SM5310 B TOC	365.1 Ortho-Phosphate	F196			REMARKS
								None Cl/Sulfate/Fluoride	H2SO4	None	None	Zn Acetate	H2SO4	None				
6/26/14	0907	~~SA5G~~ SMSMW04A	G	X				1	1	1	1	2	3	1				

NUMBER OF CONTAINERS SUBMITTED

6/26/14

680-102773 Chain of Custody

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Linda Nelson	6/26/14	1100						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[illegible]	06-26-14	1100						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[illegible]	6/27/14	09:30	YES ○ NO ○		680-102773	2.2 a.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: 680-102773-1
TestAmerica Sample Delivery Group: 680102773-1
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:
7/16/2014 3:55:22 PM

Sheila Hoffman, Project Manager II
(912)354-7858 e.3004
sheila.hoffman@testamericainc.com

LINKS

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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: 680-102773-1
SDG: 680102773-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102773-1
SDG: 680102773-1

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

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",

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: 680-102773-1
SDG: 680102773-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-102773-1	SMSMW04A	Water	06/26/14 09:07	06/27/14 09:50

Job ID: 680-102773-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: J.M. Waller Associates, Inc.

Project: Smokey Mountain Smelter

Report Number: 680-102773-1

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 06/27/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.2 C.

ALKALINITY
Sample SMSMW04A (680-102773-1) was analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 07/01/2014.

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

TOTAL DISSOLVED SOLIDS
Sample SMSMW04A (680-102773-1) was analyzed for total dissolved solids in accordance with SM 2540C. The samples were analyzed on 07/01/2014.

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

ANIONS BY ION CHROMATOGRAPHY (28 DAY)
Sample SMSMW04A (680-102773-1) was analyzed for Anions by Ion Chromatography (28 Day) in accordance with EPA Method 300.0. The samples were analyzed on 07/03/2014.

Samples SMSMW04A (680-102773-1)[50X] and SMSMW04A (680-102773-1)[500X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

ANIONS BY ION CHROMATOGRAPHY (48 HOUR)
Sample SMSMW04A (680-102773-1) was analyzed for Anions by Ion Chromatography (48 Hour) in accordance with EPA Method 300.0. The samples were analyzed on 06/27/2014.

Sample SMSMW04A (680-102773-1)[40X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

AMMONIA
Sample SMSMW04A (680-102773-1) was analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 07/07/2014.

Job ID: 680-102773-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Sample SMSMW04A (680-102773-1)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

ORTHOPHOSPHATE

Sample SMSMW04A (680-102773-1) was analyzed for orthophosphate in accordance with EPA Method 365.1. The samples were analyzed on 06/27/2014.

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

SULFIDE

Sample SMSMW04A (680-102773-1) was analyzed for sulfide in accordance with SM 4500 S2 F. The samples were analyzed on 07/03/2014.

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

TOTAL ORGANIC CARBON

Sample SMSMW04A (680-102773-1) was analyzed for total organic carbon in accordance with SM 5310B. The samples were analyzed on 07/08/2014.

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

Client Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102773-1
SDG: 680102773-1

Client Sample ID: SMSMW04A

Lab Sample ID: 680-102773-1

Date Collected: 06/26/14 09:07

Matrix: Water

Date Received: 06/27/14 09:50

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<3.3		6.8	3.3	mg/L			06/27/14 16:53	40
Sulfate	**540**		25	13	mg/L			07/03/14 21:48	50
Fluoride	<1.3		5.0	1.3	mg/L			07/03/14 21:48	50
Nitrate as NO3	**140**		8.8	4.4	mg/L			06/27/14 16:53	40
Chloride	**11000**		250	130	mg/L			07/03/14 22:16	500

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**52**		2.5	1.3	mg/L			07/07/14 18:45	50
ortho-Phosphate	**0.017**	**J**	0.050	0.016	mg/L			06/27/14 14:50	1
Total Organic Carbon	**4.4**		1.0	0.50	mg/L			07/08/14 23:08	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**230**		5.0	5.0	mg/L			07/01/14 19:47	1
Total Dissolved Solids	**15000**		50	50	mg/L			07/01/14 11:29	1
Sulfide	<1.0		1.0	1.0	mg/L			07/03/14 11:59	1

QC Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102773-1
SDG: 680102773-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 680-336628/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 336628

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as NO2	<0.082		0.17	0.082	mg/L			06/27/14 10:55	1
Nitrate as NO3	<0.11		0.22	0.11	mg/L			06/27/14 10:55	1

Lab Sample ID: LCS 680-336628/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 336628

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as NO2	3.28	3.35		mg/L		102	90 - 110
Nitrate as NO3	4.42	4.62		mg/L		105	90 - 110

Lab Sample ID: LCSD 680-336628/7 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 336628

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as NO2	3.28	3.36		mg/L		103	90 - 110	0	30
Nitrate as NO3	4.42	4.64		mg/L		105	90 - 110	0	30

Lab Sample ID: MB 680-337544/39 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 337544

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.25		0.50	0.25	mg/L			07/03/14 18:40	1
Fluoride	<0.025		0.10	0.025	mg/L			07/03/14 18:40	1
Chloride	<0.25		0.50	0.25	mg/L			07/03/14 18:40	1

Lab Sample ID: LCS 680-337544/40 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 337544

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	9.75		mg/L		98	90 - 110
Fluoride	2.00	2.03		mg/L		101	90 - 110
Chloride	10.0	9.79		mg/L		98	90 - 110

Lab Sample ID: LCSD 680-337544/41 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 337544

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	10.0	9.78		mg/L		98	90 - 110	0	30
Fluoride	2.00	2.03		mg/L		102	90 - 110	0	30
Chloride	10.0	9.83		mg/L		98	90 - 110	0	30

QC Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102773-1
SDG: 680102773-1

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-337250/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 337250

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<5.0		5.0	5.0	mg/L			07/01/14 17:36	1

Lab Sample ID: LCS 680-337250/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 337250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	250	245		mg/L		98	80 - 120

Lab Sample ID: LCSD 680-337250/30 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 337250

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity	250	262		mg/L		105	80 - 120	7	30

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-337098/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 337098

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.0		5.0	5.0	mg/L			07/01/14 11:29	1

Lab Sample ID: LCS 680-337098/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 337098

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	25.0	28.0		mg/L		112	80 - 120

Lab Sample ID: LCSD 680-337098/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 337098

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids	25.0	29.0		mg/L		116	80 - 120	4	25

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 680-338038/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 338038

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.026		0.050	0.026	mg/L			07/07/14 11:37	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 680-338038/12 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 338038

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	1.00		mg/L		100	90 - 110

Method: 365.1 - Phosphorus, Ortho

Lab Sample ID: MB 680-336703/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 336703

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ortho-Phosphate	<0.016		0.050	0.016	mg/L			06/27/14 14:50	1

Lab Sample ID: LCS 680-336703/1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 336703

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
ortho-Phosphate	1.20	1.14		mg/L		95	90 - 110

Lab Sample ID: 680-102773-1 MS — **Client Sample ID: SMSMW04A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 336703

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
ortho-Phosphate	0.017	J	1.00	0.961		mg/L		94	90 - 110

Lab Sample ID: 680-102773-1 MSD — **Client Sample ID: SMSMW04A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 336703

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
ortho-Phosphate	0.017	J	1.00	0.957		mg/L		94	90 - 110	0	30

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: MB 680-337572/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 337572

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			07/03/14 11:59	1

Lab Sample ID: LCS 680-337572/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 337572

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	10.0	10.5		mg/L		105	75 - 125

QC Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102773-1
SDG: 680102773-1

Method: 5310 B-2011 - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-338451/5
Matrix: Water
Analysis Batch: 338451

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.50		1.0	0.50	mg/L			07/08/14 17:11	1

Lab Sample ID: LCS 680-338451/6
Matrix: Water
Analysis Batch: 338451

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon			20.0	19.5		mg/L		97	80 - 120		

QC Association Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102773-1
SDG: 680102773-1

HPLC/IC

Analysis Batch: 336628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102773-1	SMSMW04A	Total/NA	Water	300.0	
LCS 680-336628/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-336628/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-336628/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 337544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102773-1	SMSMW04A	Total/NA	Water	300.0	
680-102773-1	SMSMW04A	Total/NA	Water	300.0	
LCS 680-337544/40	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-337544/41	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-337544/39	Method Blank	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 336703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102773-1	SMSMW04A	Total/NA	Water	365.1	
680-102773-1 MS	SMSMW04A	Total/NA	Water	365.1	
680-102773-1 MSD	SMSMW04A	Total/NA	Water	365.1	
LCS 680-336703/1	Lab Control Sample	Total/NA	Water	365.1	
MB 680-336703/2	Method Blank	Total/NA	Water	365.1	

Analysis Batch: 337098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102773-1	SMSMW04A	Total/NA	Water	2540C-2011	
LCS 680-337098/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-337098/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
MB 680-337098/1	Method Blank	Total/NA	Water	2540C-2011	

Analysis Batch: 337250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102773-1	SMSMW04A	Total/NA	Water	2320B-2011	
LCS 680-337250/4	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-337250/30	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
MB 680-337250/2	Method Blank	Total/NA	Water	2320B-2011	

Analysis Batch: 337572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102773-1	SMSMW04A	Total/NA	Water	4500 S2 F-2011	
LCS 680-337572/2	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	
MB 680-337572/1	Method Blank	Total/NA	Water	4500 S2 F-2011	

Analysis Batch: 338038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102773-1	SMSMW04A	Total/NA	Water	350.1	
LCS 680-338038/12	Lab Control Sample	Total/NA	Water	350.1	
MB 680-338038/5	Method Blank	Total/NA	Water	350.1	

QC Association Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102773-1
SDG: 680102773-1

General Chemistry (Continued)

Analysis Batch: 338451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102773-1	SMSMW04A	Total/NA	Water	5310 B-2011	
LCS 680-338451/6	Lab Control Sample	Total/NA	Water	5310 B-2011	
MB 680-338451/5	Method Blank	Total/NA	Water	5310 B-2011	

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-102773-1
SDG: 680102773-1

Client Sample ID: SMSMW04A

Date Collected: 06/26/14 09:07
Date Received: 06/27/14 09:50

Lab Sample ID: 680-102773-1

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	300.0		40	5 mL	5 mL	336628	06/27/14 16:53	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		50	5 mL	5 mL	337544	07/03/14 21:48	PAT	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	300.0		500	5 mL	5 mL	337544	07/03/14 22:16	PAT	TAL SAV
	Instrument ID:	CICL								
Total/NA	Analysis	2320B-2011		1			337250	07/01/14 19:47	LBH	TAL SAV
	Instrument ID:	MANTECH								
Total/NA	Analysis	2540C-2011		1	10 mL	100 mL	337098	07/01/14 11:29	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		50	2 mL	2 mL	338038	07/07/14 18:45	JME	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	365.1		1	2 mL	2 mL	336703	06/27/14 14:50	GRX	TAL SAV
	Instrument ID:	KONELAB2								
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	337572	07/03/14 11:59	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25 mL	338451	07/08/14 23:08	CMP	TAL SAV
	Instrument ID:	TOC3								

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 85281

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) TN
TAL (LAB) PROJECT MANAGER ~~Janice Austin~~	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM Janice Austin	CLIENT PHONE 404-443-2777	CLIENT FAX
CLIENT NAME JM Waller Assoc. Inc	CLIENT E-MAIL janice.austin@jmwaller.com	
CLIENT ADDRESS 100 Hartsfield Centre Pkwy Suite 610 Atl 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	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	360 ORGFM 28D Cl-/Sulfate/Fluoride/NO2/NO3	350.1 Ammonia	2320B Alkalinity	2540 TDS	SM 4500.S2-F Sulfide	SM 5310 B TOC	365.1 Ortho-Phosphate	~~FT96~~			REMARKS
								None	H2SO4	None	None	Zn Acet NaOH	H2SO4	None				
6/26/14	0907	~~SA5G~~ SMSMW04A	G	X				1	1	1	1	2	3	1				

PRESERVATIVE

6/26/14

680-102773 Chain of Custody

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Linda Nelson	6/26/14	1100						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[illegible]	06-26-14	1100						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
M. Aldighte	6/27/14	09:50	YES ◯ NO ◯		680-102773	2.2 a.c

TAL8240-680 (1008)

Login Sample Receipt Checklist

Client: J.M. Waller Associates, Inc.

Job Number: 680-102773-1
SDG Number: 680102773-1

Login Number: 102773
List Number: 1
Creator: Kicklighter, Marilyn D

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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
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: 680-102773-1
SDG: 680102773-1

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	06-30-15

ANALYTICAL REPORT

Job Number: 680-99111-1

SDG Number: 68099111-1

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
3/24/2014 3:13 PM

Sheila B Hoffman, Project Manager II
5102 LaRoche Avenue, Savannah, GA, 31404
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03/24/2014

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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CASE NARRATIVE

Client: J.M. Waller Associates, Inc.

Project: Smokey Mountain Smelter

Report Number: 680-99111-1

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 1.0, 1.2 C.

ALKALINITY

Samples SMSSW01 (680-99111-1), SMSMW10A (680-99111-2), SMSMW10B (680-99111-3), SMSSW11 (680-99111-4), SMSSW14 (680-99111-5), SMSSW13 (680-99111-6), SMSSW09 SPRING (680-99111-7) and SMSSW09 (680-99111-8) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 03/13/2014.

No difficulties were encountered during the alkalinity analysis.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS

Samples SMSSW01 (680-99111-1), SMSMW10A (680-99111-2), SMSMW10B (680-99111-3), SMSSW11 (680-99111-4), SMSSW14 (680-99111-5), SMSSW13 (680-99111-6), SMSSW09 SPRING (680-99111-7) and SMSSW09 (680-99111-8) were analyzed for total dissolved solids in accordance with SM 2540C. The samples were analyzed on 03/09/2014.

No difficulties were encountered during the TDS analysis.

All quality control parameters were within the acceptance limits.

ANIONS BY ION CHROMATOGRAPHY (28 DAY)

Samples SMSSW01 (680-99111-1), SMSMW10A (680-99111-2), SMSMW10B (680-99111-3), SMSSW11 (680-99111-4), SMSSW14 (680-99111-5), SMSSW13 (680-99111-6), SMSSW09 SPRING (680-99111-7) and SMSSW09 (680-99111-8) were analyzed for Anions by Ion Chromatography (28 Day) in accordance with EPA Method 300.0. The samples were analyzed on 03/14/2014 and 03/16/2014.

Samples SMSMW10A (680-99111-2)[50X], SMSMW10B (680-99111-3)[25X], SMSMW10B (680-99111-3)[4X], SMSSW14 (680-99111-5)[2X], SMSSW13 (680-99111-6)[4X], SMSSW09 SPRING (680-99111-7)[2X] and SMSSW09 (680-99111-8)[4X] 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 SMSSW01 (680-99111-1), SMSMW10A (680-99111-2), SMSMW10B (680-99111-3), SMSSW11 (680-99111-4), SMSSW14 (680-99111-5), SMSSW13 (680-99111-6), SMSSW09 SPRING (680-99111-7) and SMSSW09 (680-99111-8) were analyzed for Anions by Ion Chromatography (48 Hour) in accordance with EPA Method 300.0. The samples were analyzed on 03/05/2014. Sample SMSSW01 and SMSSW09 were analyzed outside the method defined hold time due to insufficient time remaining upon receipt of samples.

Samples SMSSW01 (680-99111-1)[2X], SMSMW10A (680-99111-2)[4X], SMSMW10A (680-99111-2)[40X], SMSMW10B (680-99111-3)[2X], SMSSW11 (680-99111-4)[2X], SMSSW14 (680-99111-5)[2X], SMSSW13 (680-99111-6)[2X], SMSSW09 SPRING (680-99111-7)[2X] and SMSSW09 (680-99111-8)[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 SMSSW01 (680-99111-1), SMSMW10A (680-99111-2), SMSMW10B (680-99111-3), SMSSW11 (680-99111-4), SMSSW14 (680-99111-5), SMSSW13 (680-99111-6), SMSSW09 SPRING (680-99111-7) and SMSSW09 (680-99111-8) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 03/12/2014 and 03/14/2014.

No difficulties were encountered during the ammonia analysis.

All quality control parameters were within the acceptance limits.

ORTHOPHOSPHATE
Samples SMSSW01 (680-99111-1), SMSMW10A (680-99111-2), SMSMW10B (680-99111-3), SMSSW11 (680-99111-4), SMSSW14 (680-99111-5), SMSSW13 (680-99111-6), SMSSW09 SPRING (680-99111-7) and SMSSW09 (680-99111-8) 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 due to analyst error.SMSMW10A (680-99111-2), SMSMW10B (680-99111-3), SMSSW01 (680-99111-1), SMSSW09 (680-99111-8), SMSSW09 SPRING (680-99111-7), SMSSW11 (680-99111-4), SMSSW13 (680-99111-6), SMSSW14 (680-99111-5).

No other difficulties were encountered during the orthophosphate analysis.

All other quality control parameters were within the acceptance limits.

SULFIDE
Samples SMSSW01 (680-99111-1), SMSMW10A (680-99111-2), SMSMW10B (680-99111-3), SMSSW11 (680-99111-4), SMSSW14 (680-99111-5), SMSSW13 (680-99111-6), SMSSW09 SPRING (680-99111-7) and SMSSW09 (680-99111-8) 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 SMSSW01 (680-99111-1), SMSMW10A (680-99111-2), SMSMW10B (680-99111-3), SMSSW11 (680-99111-4), SMSSW14 (680-99111-5), SMSSW13 (680-99111-6), SMSSW09 SPRING (680-99111-7) and SMSSW09 (680-99111-8) 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: J.M. Waller Associates, Inc.

Job Number: 680-99111-1
Sdg Number: 68099111-1

General Chemistry

Client Sample ID: **SMSSW01**

Lab Sample ID: 680-99111-1
Client Matrix: Water

Date Sampled: 03/03/2014 1117
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.079		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319783	Analysis Date: 03/14/2014 1757						
ortho-Phosphate	0.027	J H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1423						
Total Organic Carbon	3.1		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319534	Analysis Date: 03/13/2014 0212						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	56		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	150		mg/L	5.0	5.0	1.0	2540C-2011
Analysis Batch: 680-318814	Analysis Date: 03/09/2014 1530						
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: 680-99111-1
Sdg Number: 68099111-1

General Chemistry

Client Sample ID: **SMSMW10A**

Lab Sample ID: 680-99111-2
Client Matrix: Water

Date Sampled: 03/03/2014 1430
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.071		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319783	Analysis Date: 03/14/2014 1757						
ortho-Phosphate	0.042	J H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1423						
Total Organic Carbon	1.9		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319534	Analysis Date: 03/13/2014 0258						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	<5.0		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	4300		mg/L	50	50	1.0	2540C-2011
Analysis Batch: 680-318814	Analysis Date: 03/09/2014 1530						
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: 680-99111-1
Sdg Number: 68099111-1

General Chemistry

Client Sample ID: **SMSMW10B**

Lab Sample ID: 680-99111-3
Client Matrix: Water

Date Sampled: 03/03/2014 1450
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.17		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319783	Analysis Date: 03/14/2014 1757						
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	<0.50		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319534	Analysis Date: 03/13/2014 0314						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	380		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	1300		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-318814	Analysis Date: 03/09/2014 1530						
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: 680-99111-1
Sdg Number: 68099111-1

General Chemistry

Client Sample ID: **SMSSW11**

Lab Sample ID: 680-99111-4
Client Matrix: Water

Date Sampled: 03/03/2014 1320
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.21		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319783	Analysis Date: 03/14/2014 1757						
ortho-Phosphate	0.040	J H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1426						
Total Organic Carbon	4.1		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319534	Analysis Date: 03/13/2014 0333						

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	150		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-318814	Analysis Date: 03/09/2014 1530						
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: 680-99111-1
Sdg Number: 68099111-1

General Chemistry

Client Sample ID: **SMSSW14**

Lab Sample ID: 680-99111-5
Client Matrix: Water

Date Sampled: 03/03/2014 1415
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.088		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319783	Analysis Date: 03/14/2014 1757						
ortho-Phosphate	0.037	J H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1426						
Total Organic Carbon	2.6		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319534	Analysis Date: 03/13/2014 0349						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	120		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	270		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-318814	Analysis Date: 03/09/2014 1530						
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						

General Chemistry

Client Sample ID: **SMSSW13**

Lab Sample ID: 680-99111-6
Client Matrix: Water

Date Sampled: 03/03/2014 1450
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.11		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319783	Analysis Date: 03/14/2014 1806						
ortho-Phosphate	0.036	J H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1426						
Total Organic Carbon	2.3		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319534	Analysis Date: 03/13/2014 0403						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	120		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	290		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-318814	Analysis Date: 03/09/2014 1530						
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: 680-99111-1
Sdg Number: 68099111-1

General Chemistry

Client Sample ID: **SMSSW09 SPRING**

Lab Sample ID: 680-99111-7
Client Matrix: Water

Date Sampled: 03/03/2014 1545
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.11		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319783	Analysis Date: 03/14/2014 1806						
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	0.72	J	mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319535	Analysis Date: 03/13/2014 0434						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	200		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	340		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-318814	Analysis Date: 03/09/2014 1530						
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						

General Chemistry

Client Sample ID: **SMSSW09**

Lab Sample ID: 680-99111-8
Client Matrix: Water

Date Sampled: 03/03/2014 1010
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.097		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319360	Analysis Date: 03/12/2014 1405						
ortho-Phosphate	0.023	J H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1426						
Total Organic Carbon	2.6		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319535	Analysis Date: 03/13/2014 0515						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	130		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	380		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-318814	Analysis Date: 03/09/2014 1530						
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						

300_ORGFM_28D

Anions, Ion Chromatography

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0316141331-14.d

Lab ID: LCS 680-319850/9 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Sulfate	10.0	10.1	101	90-110	
Fluoride	2.00	2.07	104	90-110	
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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0316141347-15.d

Lab ID: LCSD 680-319850/10 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Sulfate	10.0	10.1	101	1	30	90-110	
Fluoride	2.00	2.06	103	1	30	90-110	
Chloride	10.0	9.90	99	1	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.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0314142209-23.d

Lab ID: 680-99111-4 MS Client ID: SMSSW11 MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Sulfate	10.0	9.3	19.7	104	80-120	
Fluoride	2.00	0.081 J	2.24	108	80-120	
Chloride	10.0	5.6	15.7	102	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.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0316141519-21.d

Lab ID: 680-99111-6 MS Client ID: SMSSW13 MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Sulfate	40.0	16	61.4	113	80-120	
Fluoride	8.00	0.63	9.86	115	80-120	
Chloride	40.0	71	114	108	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.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0314142224-24.d

Lab ID: 680-99111-4 MSD Client ID: SMSSW11 MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	10.0	19.5	102	1	30	80-120	
Fluoride	2.00	2.20	106	2	30	80-120	
Chloride	10.0	15.7	101	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.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0316141534-22.d

Lab ID: 680-99111-6 MSD Client ID: SMSSW13 MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	40.0	61.6	113	0	30	80-120	
Fluoride	8.00	9.91	116	1	30	80-120	
Chloride	40.0	114	109	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.: 680-99111-1

SDG No.: 68099111-1

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
SMSSW01	680-99111-1	0314142037-17.d	03/14/2014 20:37
SMSMW10B	680-99111-3	0314142138-21.d	03/14/2014 21:38
SMSSW11	680-99111-4	0314142153-22.d	03/14/2014 21:53
SMSSW11 MS	680-99111-4 MS	0314142209-23.d	03/14/2014 22:09
SMSSW11 MSD	680-99111-4 MSD	0314142224-24.d	03/14/2014 22:24
SMSSW14	680-99111-5	0314142239-25.d	03/14/2014 22:39
SMSSW13	680-99111-6	0314142255-26.d	03/14/2014 22:55
	CCB 680-319822/23	0314142325-28.d	03/14/2014 23:25
SMSSW09 SPRING	680-99111-7	0314142340-29.d	03/14/2014 23:40
SMSSW09	680-99111-8	0314142356-30.d	03/14/2014 23:56
	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.: 680-99111-1

SDG No.: 68099111-1

Lab File ID: 0316141316-13.d Lab Sample ID: MB 680-319850/8

Matrix: Water Date Extracted:

Instrument ID: CICK Date Analyzed: 03/16/2014 13:16

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	ICB 680-319850/1008	0316141316-13-ICB.d	03/16/2014 13:16
	LCS 680-319850/9	0316141331-14.d	03/16/2014 13:31
	LCSD 680-319850/10	0316141347-15.d	03/16/2014 13:47
SMSMW10A	680-99111-2	0316141417-17.d	03/16/2014 14:17
SMSMW10B	680-99111-3	0316141433-18.d	03/16/2014 14:33
SMSSW14	680-99111-5	0316141448-19.d	03/16/2014 14:48
SMSSW13	680-99111-6	0316141503-20.d	03/16/2014 15:03
SMSSW13 MS	680-99111-6 MS	0316141519-21.d	03/16/2014 15:19
SMSSW13 MSD	680-99111-6 MSD	0316141534-22.d	03/16/2014 15:34
SMSSW09 SPRING	680-99111-7	0316141549-23.d	03/16/2014 15:49
SMSSW09	680-99111-8	0316141605-24.d	03/16/2014 16:05
	CCB 680-319850/21	0316141635-26.d	03/16/2014 16:35

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW01 | Lab Sample ID: 680-99111-1

Matrix: Water | Lab File ID: 0314142037-17.d

Analysis Method: 300.0 | Date Collected: 03/03/2014 11:17

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 03/14/2014 20:37

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	4.9		0.50	0.25
16984-48-8	Fluoride	0.057	J	0.10	0.025
16887-00-6	Chloride	1.9		0.50	0.25

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSMW10A Lab Sample ID: 680-99111-2

Matrix: Water Lab File ID: 0316141417-17.d

Analysis Method: 300.0 Date Collected: 03/03/2014 14:30

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/16/2014 14:17

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.: 319850 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	1700		25	13
16984-48-8	Fluoride	73		5.0	1.3
16887-00-6	Chloride	850		25	13

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSMW10B Lab Sample ID: 680-99111-3

Matrix: Water Lab File ID: 0314142138-21.d

Analysis Method: 300.0 Date Collected: 03/03/2014 14:50

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/14/2014 21:38

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
16984-48-8	Fluoride	9.0		0.40	0.10
16887-00-6	Chloride	66		2.0	1.0

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID: SMSMW10B
Lab Sample ID: 680-99111-3
Matrix: Water
Lab File ID: 0316141433-18.d
Analysis Method: 300.0
Date Collected: 03/03/2014 14:50
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/16/2014 14:33
Con. Extract Vol.: 1(mL)
Dilution Factor: 25
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	600		13	6.3

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW11 | Lab Sample ID: 680-99111-4

Matrix: Water | Lab File ID: 0314142153-22.d

Analysis Method: 300.0 | Date Collected: 03/03/2014 13:20

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 03/14/2014 21:53

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	9.3		0.50	0.25
16984-48-8	Fluoride	0.081	J	0.10	0.025
16887-00-6	Chloride	5.6		0.50	0.25

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW14 Lab Sample ID: 680-99111-5

Matrix: Water Lab File ID: 0314142239-25.d

Analysis Method: 300.0 Date Collected: 03/03/2014 14:15

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/14/2014 22:39

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	14		0.50	0.25
16984-48-8	Fluoride	0.51		0.10	0.025

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID: SMSSW14
Lab Sample ID: 680-99111-5
Matrix: Water
Lab File ID: 0316141448-19.d
Analysis Method: 300.0
Date Collected: 03/03/2014 14:15
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/16/2014 14:48
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.: 319850
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	51		1.0	0.50

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW13 Lab Sample ID: 680-99111-6

Matrix: Water Lab File ID: 0314142255-26.d

Analysis Method: 300.0 Date Collected: 03/03/2014 14:50

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/14/2014 22:55

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	17		0.50	0.25
16984-48-8	Fluoride	0.71		0.10	0.025

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID: SMSSW13
Lab Sample ID: 680-99111-6
Matrix: Water
Lab File ID: 0316141503-20.d
Analysis Method: 300.0
Date Collected: 03/03/2014 14:50
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/16/2014 15:03
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.: 319850
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	71		2.0	1.0

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW09 SPRING Lab Sample ID: 680-99111-7

Matrix: Water Lab File ID: 0314142340-29.d

Analysis Method: 300.0 Date Collected: 03/03/2014 15:45

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/14/2014 23:40

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	15		0.50	0.25
16984-48-8	Fluoride	0.097	J	0.10	0.025

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID: SMSSW09 SPRING
Lab Sample ID: 680-99111-7
Matrix: Water
Lab File ID: 0316141549-23.d
Analysis Method: 300.0
Date Collected: 03/03/2014 15:45
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/16/2014 15:49
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.: 319850
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	64		1.0	0.50

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW09 Lab Sample ID: 680-99111-8

Matrix: Water Lab File ID: 0314142356-30.d

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

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/14/2014 23:56

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.: 319822 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	18		0.50	0.25
16984-48-8	Fluoride	0.86		0.10	0.025

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW09 Lab Sample ID: 680-99111-8

Matrix: Water Lab File ID: 0316141605-24.d

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

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/16/2014 16:05

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.: 319850 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	100		2.0	1.0

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

Lab Name: TestAmerica Savannah Job No.: 680-99111-1 Analy Batch No.: 319822

SDG No.: 68099111-1

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.: 680-99111-1 Analy Batch No.: 319822

SDG No.: 68099111-1

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.: 680-99111-1 Analy Batch No.: 319822

SDG No.: 68099111-1

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

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

Lab Name: TestAmerica Savannah Job No.: 680-99111-1 Analy Batch No.: 319850

SDG No.: 68099111-1

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.: 680-99111-1 Analy Batch No.: 319850

SDG No.: 68099111-1

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.: 680-99111-1 Analy Batch No.: 319850

SDG No.: 68099111-1

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

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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 RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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 DATA

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Lab Sample ID: ICV 680-319850/1009 Calibration Date: 03/16/2014 13:31

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: 0316141331-14-ICV.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		31657233		2.07	2.00	3.7	10.0
Chloride	Lin1		19572615		9.97	10.0	-0.3	10.0
Sulfate	Lin2		14121928		10.1	10.0	1.4	10.0
Bromide	Lin1		8241635		9.98	10.0	-0.2	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Lab Sample ID: ICV 680-319850/1009 Calibration Date: 03/16/2014 13:31

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: 0316141331-14-ICV.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.33	3.08	3.58
Chloride	4.67	4.42	4.92
Sulfate	6.35	6.10	6.60
Bromide	7.79	7.55	8.05

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Lab Sample ID: CCV 680-319850/20 Calibration Date: 03/16/2014 16:20

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: 0316141620-25.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		33322516		2.18	2.00	9.2	10.0
Chloride	Lin1		19882739		10.1	10.0	1.3	10.0
Sulfate	Lin2		13725448		9.86	10.0	-1.4	10.0
Bromide	Lin1		8036057		9.74	10.0	-2.6	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Lab Sample ID: CCV 680-319850/20 Calibration Date: 03/16/2014 16:20

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: 0316141620-25.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.33	3.08	3.58
Chloride	4.67	4.42	4.92
Sulfate	6.35	6.10	6.60
Bromide	7.79	7.54	8.04

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
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

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: Lab Sample ID: MB 680-319850/8

Matrix: Water Lab File ID: 0316141316-13.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

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
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

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID:
Lab Sample ID: CCB 680-319850/21
Matrix: Water
Lab File ID: 0316141635-26.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/16/2014 16:35
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.: 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

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
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

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
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

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID:
Lab Sample ID: LCS 680-319850/9
Matrix: Water
Lab File ID: 0316141331-14.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/16/2014 13:31
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	10.1		0.50	0.25
16984-48-8	Fluoride	2.07		0.10	0.025
16887-00-6	Chloride	9.97		0.50	0.25

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
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

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID:
Lab Sample ID: LCSD 680-319850/10
Matrix: Water
Lab File ID: 0316141347-15.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/16/2014 13:47
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	10.1		0.50	0.25
16984-48-8	Fluoride	2.06		0.10	0.025
16887-00-6	Chloride	9.90		0.50	0.25

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW11 MS Lab Sample ID: 680-99111-4 MS

Matrix: Water Lab File ID: 0314142209-23.d

Analysis Method: 300.0 Date Collected: 03/03/2014 13:20

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/14/2014 22:09

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.: 319822 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	19.7		0.50	0.25
16984-48-8	Fluoride	2.24		0.10	0.025
16887-00-6	Chloride	15.7		0.50	0.25

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW13 MS Lab Sample ID: 680-99111-6 MS

Matrix: Water Lab File ID: 0316141519-21.d

Analysis Method: 300.0 Date Collected: 03/03/2014 14:50

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/16/2014 15:19

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.: 319850 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	61.4		2.0	1.0
16984-48-8	Fluoride	9.86		0.40	0.10
16887-00-6	Chloride	114		2.0	1.0

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW11 MSD Lab Sample ID: 680-99111-4 MSD

Matrix: Water Lab File ID: 0314142224-24.d

Analysis Method: 300.0 Date Collected: 03/03/2014 13:20

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/14/2014 22:24

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.: 319822 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	19.5		0.50	0.25
16984-48-8	Fluoride	2.20		0.10	0.025
16887-00-6	Chloride	15.7		0.50	0.25

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW13 MSD Lab Sample ID: 680-99111-6 MSD

Matrix: Water Lab File ID: 0316141534-22.d

Analysis Method: 300.0 Date Collected: 03/03/2014 14:50

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/16/2014 15:34

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.: 319850 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	61.6		2.0	1.0
16984-48-8	Fluoride	9.91		0.40	0.10
16887-00-6	Chloride	114		2.0	1.0

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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)
680-99111-1	SMSSW01	03/14/2014 20:37	1	0314142037-17.d	Dionex AS18 4(mm)
680-99111-3	SMSMW10B	03/14/2014 21:23	1	0314142123-20.d	Dionex AS18 4(mm)
680-99111-3	SMSMW10B	03/14/2014 21:38	4	0314142138-21.d	Dionex AS18 4(mm)
680-99111-4	SMSSW11	03/14/2014 21:53	1	0314142153-22.d	Dionex AS18 4(mm)
680-99111-4 MS	SMSSW11 MS	03/14/2014 22:09	1	0314142209-23.d	Dionex AS18 4(mm)
680-99111-4 MSD	SMSSW11 MSD	03/14/2014 22:24	1	0314142224-24.d	Dionex AS18 4(mm)
680-99111-5	SMSSW14	03/14/2014 22:39	1	0314142239-25.d	Dionex AS18 4(mm)
680-99111-6	SMSSW13	03/14/2014 22:55	1	0314142255-26.d	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)
680-99111-7	SMSSW09 SPRING	03/14/2014 23:40	1	0314142340-29.d	Dionex AS18 4(mm)
680-99111-8	SMSSW09	03/14/2014 23:56	1	0314142356-30.d	Dionex AS18 4(mm)
ZZZZZ		03/15/2014 00:11	4		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 00:26	2		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 00:42	10		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 01:12	20		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 01:28	20		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 01:43	20		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)

300.0

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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)
MB 680-319850/8		03/16/2014 13:16	1	0316141316-13.d	Dionex AS18 4(mm)
ICB 680-319850/1008		03/16/2014 13:16	1	0316141316-13-ICB.d	Dionex AS18 4(mm)
LCS 680-319850/9		03/16/2014 13:31	1	0316141331-14.d	Dionex AS18 4(mm)
ICV 680-319850/1009		03/16/2014 13:31	1	0316141331-14-ICV.d	Dionex AS18 4(mm)
LCSD 680-319850/10		03/16/2014 13:47	1	0316141347-15.d	Dionex AS18 4(mm)
680-99111-2	SMSMW10A	03/16/2014 14:17	50	0316141417-17.d	Dionex AS18 4(mm)
680-99111-3	SMSMW10B	03/16/2014 14:33	25	0316141433-18.d	Dionex AS18 4(mm)
680-99111-5	SMSSW14	03/16/2014 14:48	2	0316141448-19.d	Dionex AS18 4(mm)
680-99111-6	SMSSW13	03/16/2014 15:03	4	0316141503-20.d	Dionex AS18 4(mm)
680-99111-6 MS	SMSSW13 MS	03/16/2014 15:19	4	0316141519-21.d	Dionex AS18 4(mm)
680-99111-6 MSD	SMSSW13 MSD	03/16/2014 15:34	4	0316141534-22.d	Dionex AS18 4(mm)
680-99111-7	SMSSW09 SPRING	03/16/2014 15:49	2	0316141549-23.d	Dionex AS18 4(mm)
680-99111-8	SMSSW09	03/16/2014 16:05	4	0316141605-24.d	Dionex AS18 4(mm)
CCV 680-319850/20		03/16/2014 16:20	1	0316141620-25.d	Dionex AS18 4(mm)
CCB 680-319850/21		03/16/2014 16:35	1	0316141635-26.d	Dionex AS18 4(mm)

300_ORGFMS

Anions, Ion Chromatography

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0305141039-6.d

Lab ID: LCS 680-318425/6 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Nitrite as NO2	3.28	3.32	101	90-110	
Nitrate as NO3	4.42	4.33	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.: 680-99111-1

SDG No.: 68099111-1

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 DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0305141054-7.d

Lab ID: LCSD 680-318425/7 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	3.32	101	0	30	90-110	
Nitrate as NO3	4.42	4.34	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.: 680-99111-1

SDG No.: 68099111-1

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 MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0305141433-16.d

Lab ID: 680-99111-7 MS Client ID: SMSSW09 SPRING 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	6.57	100	80-120	
Nitrate as NO3	8.84	3.6	12.4	99	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.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0305141449-17.d

Lab ID: 680-99111-7 MSD Client ID: SMSSW09 SPRING MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Nitrite as NO2	6.56	6.58	100	0	30	80-120	
Nitrate as NO3	8.84	12.4	99	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.: 680-99111-1

SDG No.: 68099111-1

Lab File ID: 0305141023-5.d Lab Sample ID: MB 680-318425/5

Matrix: Water Date Extracted:

Instrument ID: CICG Date Analyzed: 03/05/2014 10:23

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-318425/6	0305141039-6.d	03/05/2014 10:39
	LCSD 680-318425/7	0305141054-7.d	03/05/2014 10:54
SMSSW11	680-99111-4	0305141245-9.d	03/05/2014 12:45
SMSSW14	680-99111-5	0305141301-10.d	03/05/2014 13:01
SMSMW10A	680-99111-2	0305141316-11.d	03/05/2014 13:16
SMSMW10A	680-99111-2	0305141332-12.d	03/05/2014 13:32
SMSMW10B	680-99111-3	0305141347-13.d	03/05/2014 13:47
SMSSW13	680-99111-6	0305141402-14.d	03/05/2014 14:02
SMSSW09 SPRING	680-99111-7	0305141418-15.d	03/05/2014 14:18
SMSSW09 SPRING MS	680-99111-7 MS	0305141433-16.d	03/05/2014 14:33
SMSSW09 SPRING MSD	680-99111-7 MSD	0305141449-17.d	03/05/2014 14:49
	CCB 680-318425/20	0305141535-20.d	03/05/2014 15:35

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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
SMSSW01	680-99111-1	0305142246-48.d	03/05/2014 22:46
SMSSW09	680-99111-8	0305142302-49.d	03/05/2014 23:02
	CCB 680-318426/58	0306140120-58.d	03/06/2014 01:20

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW01 Lab Sample ID: 680-99111-1

Matrix: Water Lab File ID: 0305142246-48.d

Analysis Method: 300.0 Date Collected: 03/03/2014 11:17

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/05/2014 22:46

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	<0.16	H	0.34	0.16
STL00672	Nitrate as NO3	1.2	H	0.44	0.22

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSMW10A | Lab Sample ID: 680-99111-2

Matrix: Water | Lab File ID: 0305141332-12.d

Analysis Method: 300.0 | Date Collected: 03/03/2014 14:30

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 03/05/2014 13:32

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.: 318425 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	<0.33		0.68	0.33

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSMW10A | Lab Sample ID: 680-99111-2

Matrix: Water | Lab File ID: 0305141316-11.d

Analysis Method: 300.0 | Date Collected: 03/03/2014 14:30

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 03/05/2014 13:16

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.: 318425 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00672	Nitrate as NO3	79		8.8	4.4

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSMW10B | Lab Sample ID: 680-99111-3

Matrix: Water | Lab File ID: 0305141347-13.d

Analysis Method: 300.0 | Date Collected: 03/03/2014 14:50

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 03/05/2014 13:47

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.: 318425 | 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	11		0.44	0.22

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW11 Lab Sample ID: 680-99111-4

Matrix: Water Lab File ID: 0305141245-9.d

Analysis Method: 300.0 Date Collected: 03/03/2014 13:20

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/05/2014 12:45

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.: 318425 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	4.0		0.44	0.22

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW14 Lab Sample ID: 680-99111-5

Matrix: Water Lab File ID: 0305141301-10.d

Analysis Method: 300.0 Date Collected: 03/03/2014 14:15

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/05/2014 13:01

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.: 318425 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	3.8		0.44	0.22

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW13 | Lab Sample ID: 680-99111-6

Matrix: Water | Lab File ID: 0305141402-14.d

Analysis Method: 300.0 | Date Collected: 03/03/2014 14:50

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 03/05/2014 14:02

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.: 318425 | 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	4.0		0.44	0.22

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW09 SPRING Lab Sample ID: 680-99111-7

Matrix: Water Lab File ID: 0305141418-15.d

Analysis Method: 300.0 Date Collected: 03/03/2014 15:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/05/2014 14:18

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.: 318425 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	3.6		0.44	0.22

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW09 | Lab Sample ID: 680-99111-8

Matrix: Water | Lab File ID: 0305142302-49.d

Analysis Method: 300.0 | Date Collected: 03/03/2014 10:10

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 03/05/2014 23:02

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	<0.16	H	0.34	0.16
STL00672	Nitrate as NO3	4.6	H	0.44	0.22

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

Lab Name: TestAmerica Savannah Job No.: 680-99111-1 Analy Batch No.: 317856

SDG No.: 68099111-1

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.: 680-99111-1 Analy Batch No.: 317856

SDG No.: 68099111-1

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.: 680-99111-1 Analy Batch No.: 317856

SDG No.: 68099111-1

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

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Lab Sample ID: CCV 680-318425/4 Calibration Date: 03/05/2014 10:08

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: 0305141008-4.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		44533612		0.990	1.00	-1.0	10.0
Nitrate as N	Lin2		49330239		0.998	1.00	-0.2	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Lab Sample ID: CCV 680-318425/4 Calibration Date: 03/05/2014 10:08

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: 0305141008-4.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.63	6.38	6.88
Nitrate as N	9.50	9.25	9.75

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Lab Sample ID: CCV 680-318425/19 Calibration Date: 03/05/2014 15:19

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: 0305141519-19.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		45354558		1.01	1.00	0.8	10.0
Nitrate as N	Lin2		47612804		0.964	1.00	-3.6	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Lab Sample ID: CCV 680-318425/19 Calibration Date: 03/05/2014 15:19

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: 0305141519-19.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

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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 RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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 I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID:
Lab Sample ID: MB 680-318425/5
Matrix: Water
Lab File ID: 0305141023-5.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/05/2014 10:23
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.: 318425
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

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
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

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID:
Lab Sample ID: CCB 680-318425/20
Matrix: Water
Lab File ID: 0305141535-20.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/05/2014 15:35
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.: 318425
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

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
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

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
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

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
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

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID:
Lab Sample ID: LCS 680-318425/6
Matrix: Water
Lab File ID: 0305141039-6.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/05/2014 10:39
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.: 318425
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.32		0.17	0.082
STL00672	Nitrate as NO3	4.33		0.22	0.11

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
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

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID:
Lab Sample ID: LCSD 680-318425/7
Matrix: Water
Lab File ID: 0305141054-7.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/05/2014 10:54
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.: 318425
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.32		0.17	0.082
STL00672	Nitrate as NO3	4.34		0.22	0.11

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
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

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW09 SPRING MS Lab Sample ID: 680-99111-7 MS

Matrix: Water Lab File ID: 0305141433-16.d

Analysis Method: 300.0 Date Collected: 03/03/2014 15:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/05/2014 14:33

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.: 318425 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	6.57		0.34	0.16
STL00672	Nitrate as NO3	12.4		0.44	0.22

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW09 SPRING MSD Lab Sample ID: 680-99111-7 MSD

Matrix: Water Lab File ID: 0305141449-17.d

Analysis Method: 300.0 Date Collected: 03/03/2014 15:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/05/2014 14:49

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.: 318425 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	6.58		0.34	0.16
STL00672	Nitrate as NO3	12.4		0.44	0.22

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

Instrument ID: CICG Start Date: 03/05/2014 09:25

Analysis Batch Number: 318425 End Date: 03/06/2014 01:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/05/2014 09:25	1		AS18 4(mm)
ZZZZZ		03/05/2014 09:39	1		AS18 4(mm)
ZZZZZ		03/05/2014 09:53	1		AS18 4(mm)
CCV 680-318425/4		03/05/2014 10:08	1	0305141008-4.d	AS18 4(mm)
MB 680-318425/5		03/05/2014 10:23	1	0305141023-5.d	AS18 4(mm)
LCS 680-318425/6		03/05/2014 10:39	1	0305141039-6.d	AS18 4(mm)
LCSD 680-318425/7		03/05/2014 10:54	1	0305141054-7.d	AS18 4(mm)
680-99111-4	SMSSW11	03/05/2014 12:45	2	0305141245-9.d	AS18 4(mm)
680-99111-5	SMSSW14	03/05/2014 13:01	2	0305141301-10.d	AS18 4(mm)
680-99111-2	SMSMW10A	03/05/2014 13:16	40	0305141316-11.d	AS18 4(mm)
680-99111-2	SMSMW10A	03/05/2014 13:32	4	0305141332-12.d	AS18 4(mm)
680-99111-3	SMSMW10B	03/05/2014 13:47	2	0305141347-13.d	AS18 4(mm)
680-99111-6	SMSSW13	03/05/2014 14:02	2	0305141402-14.d	AS18 4(mm)
680-99111-7	SMSSW09 SPRING	03/05/2014 14:18	2	0305141418-15.d	AS18 4(mm)
680-99111-7 MS	SMSSW09 SPRING MS	03/05/2014 14:33	2	0305141433-16.d	AS18 4(mm)
680-99111-7 MSD	SMSSW09 SPRING MSD	03/05/2014 14:49	2	0305141449-17.d	AS18 4(mm)
ZZZZZ		03/05/2014 15:04	1		AS18 4(mm)
CCV 680-318425/19		03/05/2014 15:19	1	0305141519-19.d	AS18 4(mm)
CCB 680-318425/20		03/05/2014 15:35	1	0305141535-20.d	AS18 4(mm)
ZZZZZ		03/05/2014 15:50	1		AS18 4(mm)
ZZZZZ		03/05/2014 16:06	1		AS18 4(mm)
ZZZZZ		03/05/2014 16:21	20		AS18 4(mm)
ZZZZZ		03/05/2014 16:36	2		AS18 4(mm)
ZZZZZ		03/05/2014 16:52	20		AS18 4(mm)
ZZZZZ		03/05/2014 17:07	1		AS18 4(mm)
ZZZZZ		03/05/2014 17:23	1		AS18 4(mm)
ZZZZZ		03/05/2014 17:38	1		AS18 4(mm)
ZZZZZ		03/05/2014 17:54	1		AS18 4(mm)
ZZZZZ		03/05/2014 18:09	1		AS18 4(mm)
CCV 680-318425/31		03/05/2014 18:24	1		AS18 4(mm)
CCB 680-318425/32		03/05/2014 18:40	1		AS18 4(mm)
CCB 680-318425/58		03/06/2014 01:20	1		AS18 4(mm)

300.0

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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)
680-99111-1	SMSSW01	03/05/2014 22:46	2	0305142246-48.d	AS18 4(mm)
680-99111-8	SMSSW09	03/05/2014 23:02	2	0305142302-49.d	AS18 4(mm)
ZZZZZ		03/05/2014 23:17	2		AS18 4(mm)
ZZZZZ		03/05/2014 23:32	20		AS18 4(mm)
ZZZZZ		03/05/2014 23:48	40		AS18 4(mm)
ZZZZZ		03/06/2014 00:03	1		AS18 4(mm)
ZZZZZ		03/06/2014 00:19	1		AS18 4(mm)
ZZZZZ		03/06/2014 00:34	1		AS18 4(mm)
ZZZZZ		03/06/2014 00:49	1		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

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99111-1

SDG No.: 68099111-1

Project: Smokey Mountain Smelter

Client Sample ID	Lab Sample ID
SMSSW01	680-99111-1
SMSMW10A	680-99111-2
SMSMW10B	680-99111-3
SMSSW11	680-99111-4
SMSSW14	680-99111-5
SMSSW13	680-99111-6
SMSSW09 SPRING	680-99111-7
SMSSW09	680-99111-8

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW01
Lab Sample ID: 680-99111-1
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 11:17
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	0.079	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.027	0.050	0.016	mg/L	J	H	1	365.1
7440-44-0	Total Organic Carbon	3.1	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW01
Lab Sample ID: 680-99111-1
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 11:17
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	56	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	150	5.0		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW10A
Lab Sample ID: 680-99111-2
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 14:30
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	0.071	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.042	0.050	0.016	mg/L	J	H	1	365.1
7440-44-0	Total Organic Carbon	1.9	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW10A
Lab Sample ID: 680-99111-2
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 14:30
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	<5.0	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	4300	50		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW10B
Lab Sample ID: 680-99111-3
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 14:50
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	0.17	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: SMSMW10B
Lab Sample ID: 680-99111-3
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 14:50
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	380	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	1300	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW11
Lab Sample ID: 680-99111-4
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 13:20
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	0.21	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.040	0.050	0.016	mg/L	J	H	1	365.1
7440-44-0	Total Organic Carbon	4.1	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW11 | Lab Sample ID: 680-99111-4

Lab Name: TestAmerica Savannah | Job No.: 680-99111-1

SDG ID.: 68099111-1

Matrix: Water | Date Sampled: 03/03/2014 13:20

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	110	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	150	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW14
Lab Sample ID: 680-99111-5
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 14:15
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	0.088	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.037	0.050	0.016	mg/L	J	H	1	365.1
7440-44-0	Total Organic Carbon	2.6	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW14 | Lab Sample ID: 680-99111-5

Lab Name: TestAmerica Savannah | Job No.: 680-99111-1

SDG ID.: 68099111-1

Matrix: Water | Date Sampled: 03/03/2014 14:15

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	270	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW13
Lab Sample ID: 680-99111-6
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 14:50
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	0.11	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.036	0.050	0.016	mg/L	J	H	1	365.1
7440-44-0	Total Organic Carbon	2.3	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW13
Lab Sample ID: 680-99111-6
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 14:50
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	120	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	290	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW09 SPRING
Lab Sample ID: 680-99111-7
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 15:45
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	0.11	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	0.72	1.0	0.50	mg/L	J		1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW09 SPRING
Lab Sample ID: 680-99111-7
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 15:45
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	200	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	340	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW09
Lab Sample ID: 680-99111-8
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 10:10
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	0.097	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.023	0.050	0.016	mg/L	J	H	1	365.1
7440-44-0	Total Organic Carbon	2.6	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW09 | Lab Sample ID: 680-99111-8

Lab Name: TestAmerica Savannah | Job No.: 680-99111-1

SDG ID.: 68099111-1

Matrix: Water | Date Sampled: 03/03/2014 10:10

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	130	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	380	10		mg/L			1	2540C-2011

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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

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.: 680-99111-1

SDG No.: 68099111-1

Analyst: JME Batch Start Date: 03/14/2014

Reporting Units: mg/L Analytical Batch No.: 319783

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	17:48	Ammonia	1.09	1.00	109	90-110		NH3 LCS_00043
2	CCB	17:48	Ammonia	0.0354				J	
13	CCV	17:57	Ammonia	1.08	1.00	108	90-110		NH3 LCS_00043
14	CCB	17:57	Ammonia	0.0272				J	
25	CCV	18:06	Ammonia	1.08	1.00	107	90-110		NH3 LCS_00043
26	CCB	18:06	Ammonia	0.0274				J	
30	CCV	18:16	Ammonia	1.08	1.00	108	90-110		NH3 LCS_00043
31	CCB	18:16	Ammonia	0.0269				J	

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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

Analyst: CMP Batch Start Date: 03/12/2014

Reporting Units: mg/L Analytical Batch No.: 319534

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
13	CCV	20:06	Total Organic Carbon	47.6	50.0	95	90-110		TOCCALSTD4_00066
14	CCB	20:22	Total Organic Carbon	<0.50					
25	CCV	23:20	Total Organic Carbon	49.1	50.0	98	90-110		TOCCALSTD4_00066
26	CCB	23:36	Total Organic Carbon	<0.50					
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					
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					
84	CCV	14:44	Total Organic Carbon	50.1	50.0	100	90-110		TOCCALSTD4_00066
85	CCB	14:58	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.: 680-99111-1

SDG No.: 68099111-1

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					

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.: 680-99111-1

SDG No.: 68099111-1

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: 318814	Date: 03/09/2014 15:30						
2540C-2011	MB 680-318814/1	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: 319783	Date: 03/15/2014 10:59						
350.1	MB 680-319783/33	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: 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: 319534	Date: 03/13/2014 02:41						
5310 B-2011	MB 680-319534/38	Total Organic Carbon	<0.50		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

FORM III-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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	SMSSW11	680-99111-4	Alkalinity	110	mg/L			
2320B-2011	SMSSW11	680-99111-4 DU	Alkalinity	107	mg/L	0.3	30	
Batch ID: 318814	Date: 03/09/2014 15:30							
2540C-2011	SMSSW09 SPRING	680-99111-7	Total Dissolved Solids	340	mg/L			
2540C-2011	SMSSW09 SPRING	680-99111-7 DU	Total Dissolved Solids	346	mg/L	3	25	
Batch ID: 318814	Date: 03/09/2014 15:30							
2540C-2011	SMSSW09	680-99111-8	Total Dissolved Solids	380	mg/L			
2540C-2011	SMSSW09	680-99111-8 DU	Total Dissolved Solids	358	mg/L	5	25	
Batch ID: 318579	Date: 03/06/2014 14:26							
365.1	SMSSW14	680-99111-5	ortho-Phosphate	0.037	mg/L			J
365.1	SMSSW14	680-99111-5 DU	ortho-Phosphate	0.0322	mg/L	14	30	J
Batch ID: 318525	Date: 03/06/2014 13:56							
4500 S2 F-2011	SMSSW01	680-99111-1	Sulfide	<1.0	mg/L			
4500 S2 F-2011	SMSSW01	680-99111-1 DU	Sulfide	<1.0	mg/L	NC	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.: 680-99111-1

SDG No.: 68099111-1

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: 318814	Date: 03/09/2014 15:30										
						LCS Source: TS/TDS LCS_00226					
2540C-2011	LCS 680-318814/2	Total Dissolved Solids	120		mg/L	109	110	80-120	9	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: 319783	Date: 03/15/2014 10:59										
						LCS Source: NH3 LCS_00043					
350.1	LCS 680-319783/32	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: 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: 319534	Date: 03/12/2014 20:57										
						LCS Source: TOC LCS/ICV_00025					
5310 B-2011	LCS 680-319534/16	Total Organic Carbon	17.2		mg/L	20.0	86	80-120			
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			

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.: 680-99111-1

SDG No.: 68099111-1

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: 318814	Date: 03/09/2014 15:30										
						LCSD Source: TS/TDS LCS_00226					
2540C-2011	LCSD 680-318814/3	Total Dissolved Solids	110		mg/L	109	101	80-120	9	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	

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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																			
ZZZZZZ			13:56																				
ZZZZZZ			13:56																				
ZZZZZZ			13:56																				
ZZZZZZ			13:56																				
CCV 680-319360/14	1		14:05	X																			
CCB 680-319360/15	1		14:05	X																			
ZZZZZZ			14:05																				
ZZZZZZ			14:05																				
680-99111-8	1	T	14:05	X																			
ZZZZZZ			14:05																				
ZZZZZZ			14:05																				
ZZZZZZ			14:05																				
ZZZZZZ			14:05																				
CCV 680-319360/23	1		14:14	X																			
CCB 680-319360/24	1		14:14	X																			
ZZZZZZ			14:24																				
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			14:58																				
ZZZZZZ			14:59																				
ZZZZZZ			14:59																				
ZZZZZZ			14:59																				
ZZZZZZ			15:03																				
ZZZZZZ			15:03																				
CCV 680-319360/38			15:06																				
CCB 680-319360/39			15:06																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Instrument ID: KONELAB1 Method: 350.1

Start Date: 03/14/2014 17:48 End Date: 03/15/2014 10:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
CCV 680-319783/1	1		17:48	X																			
CCB 680-319783/2	1		17:48	X																			
ZZZZZZ			17:48																				
ZZZZZZ			17:48																				
ZZZZZZ			17:48																				
ZZZZZZ			17:48																				
ZZZZZZ			17:48																				
ZZZZZZ			17:48																				
ZZZZZZ			17:48																				
ZZZZZZ			17:48																				
ZZZZZZ			17:48																				
ZZZZZZ			17:48																				
CCV 680-319783/13	1		17:57	X																			
CCB 680-319783/14	1		17:57	X																			
ZZZZZZ			17:57																				
ZZZZZZ			17:57																				
ZZZZZZ			17:57																				
ZZZZZZ			17:57																				
ZZZZZZ			17:57																				
680-99111-1	1	T	17:57	X																			
680-99111-2	1	T	17:57	X																			
680-99111-3	1	T	17:57	X																			
680-99111-4	1	T	17:57	X																			
680-99111-5	1	T	17:57	X																			
CCV 680-319783/25	1		18:06	X																			
CCB 680-319783/26	1		18:06	X																			
680-99111-6	1	T	18:06	X																			
680-99111-7	1	T	18:06	X																			
ZZZZZZ			18:06																				
CCV 680-319783/30	1		18:16	X																			
CCB 680-319783/31	1		18:16	X																			
LCS 680-319783/32	1	T	10:59	X																			
MB 680-319783/33	1	T	10:59	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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																				
680-99111-1	1	T	14:23	X																			
680-99111-2	1	T	14:23	X																			
CCV 680-318579/10	1		14:26	X																			
CCB 680-318579/11	1		14:26	X																			
680-99111-3	1	T	14:26	X																			
680-99111-4	1	T	14:26	X																			
680-99111-5	1	T	14:26	X																			
680-99111-5 DU	1	T	14:26	X																			
680-99111-6	1	T	14:26	X																			
680-99111-7	1	T	14:26	X																			
680-99111-8	1	T	14:26	X																			
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																			
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.: 680-99111-1

SDG No.: 68099111-1

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																			
680-99111-1	1	T	13:56	X																			
680-99111-1 DU	1	T	13:56	X																			
680-99111-2	1	T	13:56	X																			
680-99111-3	1	T	13:56	X																			
680-99111-4	1	T	13:56	X																			
680-99111-5	1	T	13:56	X																			
680-99111-6	1	T	13:56	X																			
680-99111-7	1	T	13:56	X																			
680-99111-8	1	T	13:56	X																			
ZZZZZZ			13:56																				
ZZZZZZ			13:56																				
ZZZZZZ			13:56																				
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ZZZZZZ			13:56																				
ZZZZZZ			13:56																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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																				
680-99111-1	1	T	13:53	X																			
680-99111-2	1	T	13:53	X																			
680-99111-3	1	T	13:53	X																			
680-99111-4	1	T	13:53	X																			
680-99111-4 DU	1	T	13:53	X																			
CCV 680-319601/11	1		13:53	X																			
680-99111-5	1	T	13:53	X																			
680-99111-6	1	T	13:53	X																			
680-99111-7	1	T	13:53	X																			
680-99111-8	1	T	13:53	X																			
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
CCV 680-319601/22	1		13:53	X																			
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
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.: 680-99111-1

SDG No.: 68099111-1

Instrument ID: NOEQUIP Method: 2540C-2011

Start Date: 03/09/2014 15:30 End Date: 03/09/2014 15:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				TDS																			
MB 680-318814/1	1	T	15:30	X																			
LCS 680-318814/2	1	T	15:30	X																			
LCSD 680-318814/3	1	T	15:30	X																			
680-99111-7	1	T	15:30	X																			
680-99111-7 DU	1	T	15:30	X																			
ZZZZZZ			15:30																				
ZZZZZZ			15:30																				
ZZZZZZ			15:30																				
ZZZZZZ			15:30																				
ZZZZZZ			15:30																				
ZZZZZZ			15:30																				
ZZZZZZ			15:30																				
ZZZZZZ			15:30																				
680-99111-1	1	T	15:30	X																			
680-99111-4	1	T	15:30	X																			
680-99111-2	1	T	15:30	X																			
ZZZZZZ			15:30																				
ZZZZZZ			15:30																				
ZZZZZZ			15:30																				
680-99111-3	1	T	15:30	X																			
680-99111-5	1	T	15:30	X																			
680-99111-6	1	T	15:30	X																			
ZZZZZZ			15:30																				
680-99111-8	1	T	15:30	X																			
680-99111-8 DU	1	T	15:30	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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																				
CCV 680-319534/13	1		20:06	X																			
CCB 680-319534/14	1		20:22	X																			
ZZZZZZ			20:43																				
LCS 680-319534/16	1	T	20:57	X																			
ZZZZZZ			21:12																				
ZZZZZZ			21:35																				
ZZZZZZ			21:51																				
ZZZZZZ			22:07																				
ZZZZZZ			22:22																				
ZZZZZZ			22:36																				
ZZZZZZ			22:51																				
ZZZZZZ			23:05																				
CCV 680-319534/25	1		23:20	X																			
CCB 680-319534/26	1		23:36	X																			
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																				
680-99111-1	1	T	02:12	X																			
CCV 680-319534/37	1		02:27	X																			
MB 680-319534/38	1	T	02:41	X																			
680-99111-2	1	T	02:58	X																			
680-99111-3	1	T	03:14	X																			
680-99111-4	1	T	03:33	X																			
680-99111-5	1	T	03:49	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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																			
680-99111-6	1	T	04:03	X																			
ZZZZZZ			04:17																				
ZZZZZZ			04:34																				
ZZZZZZ			04:48																				
ZZZZZZ			04:59																				
ZZZZZZ			05:15																				
CCV 680-319534/49	1		05:30	X																			
CCB 680-319534/50	1		05:48	X																			
ZZZZZZ			06:02																				
ZZZZZZ			06:13																				
ZZZZZZ			06:32																				
ZZZZZZ			06:48																				
ZZZZZZ			07:02																				
ZZZZZZ			07:19																				
ZZZZZZ			07:37																				
ZZZZZZ			07:51																				
ZZZZZZ			08:08																				
ZZZZZZ			08:26																				
ZZZZZZ			08:45																				
ZZZZZZ			08:59																				
ZZZZZZ			09:23																				
ZZZZZZ			09:37																				
ZZZZZZ			09:54																				
ZZZZZZ			10:10																				
ZZZZZZ			10:24																				
ZZZZZZ			10:39																				
ZZZZZZ			10:53																				
ZZZZZZ			11:04																				
ZZZZZZ			11:25																				
ZZZZZZ			11:39																				
CCV 680-319534/73	1		11:56	X																			
CCB 680-319534/74	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 680-319534/84	1		14:44	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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 680-319534/85	1		14:58	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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																			
680-99111-7	1	T	04:34	X																			
ZZZZZZ			04:48																				
ZZZZZZ			04:59																				
680-99111-8	1	T	05:15	X																			
CCV 680-319535/49	1		05:30	X																			
CCB 680-319535/50	1		05:48	X																			
ZZZZZZ			06:02																				
ZZZZZZ			06:13																				
ZZZZZZ			06:32																				
ZZZZZZ			06:48																				
ZZZZZZ			07:02																				
ZZZZZZ			07:19																				
ZZZZZZ			07:37																				
ZZZZZZ			07:51																				
ZZZZZZ			08:08																				
ZZZZZZ			08:26																				
CCV 680-319535/61	1		08:45	X																			
CCB 680-319535/62	1		08:59	X																			
ZZZZZZ			09:23																				
ZZZZZZ			09:37																				
ZZZZZZ			09:54																				
ZZZZZZ			10:10																				
ZZZZZZ			10:24																				
ZZZZZZ			10:39																				
ZZZZZZ			10:53																				
ZZZZZZ			11:04																				
ZZZZZZ			11:25																				
ZZZZZZ			11:39																				
CCV 680-319535/73			11:56																				
CCB 680-319535/74			12:12																				
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.: 680-99111-1

SDG No.: 68099111-1

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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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 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.			
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.			
680-99111-C-8	SMSSW09	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.			
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.			

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.: 680-99111-1

SDG No.: 68099111-1

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 LCS 00043		
CCV 680-319360/31		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		

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.: 680-99111-1

SDG No.: 68099111-1

Batch Number: 319783 Batch Start Date: 03/14/14 17:48 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 03/15/14 10:59

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 LCS 00043		
CCV 680-319783/1		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-319783/2		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319783/13		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-319783/14		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99111-C-1	SMSSW01	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99111-C-2	SMSMW10A	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99111-C-3	SMSMW10B	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99111-C-4	SMSSW11	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99111-C-5	SMSSW14	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319783/25		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.: 680-99111-1

SDG No.: 68099111-1

Batch Number: 319783 Batch Start Date: 03/14/14 17:48 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 03/15/14 10:59

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 LCS 00043		
CCB 680-319783/26		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99111-C-6	SMSSW13	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99111-C-7	SMSSW09 SPRING	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319783/30		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-319783/31		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
LCS 680-319783/32		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
MB 680-319783/33		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.: 680-99111-1

SDG No.: 68099111-1

Batch Number: 319783 Batch Start Date: 03/14/14 17:48 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 03/15/14 10:59

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	G1
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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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				
680-99111-G-1	SMSSW01	365.1	T	2 mL	2 mL				
680-99111-G-2	SMSMW10A	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				
680-99111-G-3	SMSMW10B	365.1	T	2 mL	2 mL				
680-99111-G-4	SMSSW11	365.1	T	2 mL	2 mL				
680-99111-G-5	SMSSW14	365.1	T	2 mL	2 mL				
680-99111-G-5 DU	SMSSW14	365.1	T	2 mL	2 mL				
680-99111-G-6	SMSSW13	365.1	T	2 mL	2 mL				
680-99111-G-7	SMSSW09 SPRING	365.1	T	2 mL	2 mL				
680-99111-G-8	SMSSW09	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				
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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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
680-99111-D-1	SMSSW01	4500 S2 F-2011	T	0 mL	9.65 mL	9.65 mL	2.5 mL	250 mL	250 mL
680-99111-E-1 DU	SMSSW01	4500 S2 F-2011	T	0 mL	9.75 mL	9.75 mL	2.5 mL	250 mL	250 mL
680-99111-D-2	SMSMW10A	4500 S2 F-2011	T	0 mL	26.90 mL	26.9 mL	2.5 mL	250 mL	250 mL
680-99111-D-3	SMSMW10B	4500 S2 F-2011	T	0 mL	10.80 mL	10.8 mL	2.5 mL	250 mL	250 mL
680-99111-D-4	SMSSW11	4500 S2 F-2011	T	0 mL	9.85 mL	9.85 mL	2.5 mL	250 mL	250 mL
680-99111-D-5	SMSSW14	4500 S2 F-2011	T	0 mL	9.90 mL	9.9 mL	2.5 mL	250 mL	250 mL
680-99111-D-6	SMSSW13	4500 S2 F-2011	T	0 mL	9.90 mL	9.9 mL	2.5 mL	250 mL	250 mL
680-99111-D-7	SMSSW09 SPRING	4500 S2 F-2011	T	0 mL	9.90 mL	9.9 mL	2.5 mL	250 mL	250 mL
680-99111-D-8	SMSSW09	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	
680-99111-D-1	SMSSW01	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99111-E-1 DU	SMSSW01	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99111-D-2	SMSMW10A	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99111-D-3	SMSMW10B	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.: 680-99111-1

SDG No.: 68099111-1

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	Initial pH	Final pH	SulfideCheck	CalcMsg	SulfideLCS 00335	
680-99111-D-4	SMSSW11	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99111-D-5	SMSSW14	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99111-D-6	SMSSW13	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99111-D-7	SMSSW09 SPRING	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99111-D-8	SMSSW09	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		

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.: 680-99111-1

SDG No.: 68099111-1

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			
680-99111-A-1	SMSSW01	2320B-2011	T	InitialAmount is blank					
680-99111-A-2	SMSMW10A	2320B-2011	T	InitialAmount is blank					
680-99111-A-3	SMSMW10B	2320B-2011	T	InitialAmount is blank					
680-99111-A-4	SMSSW11	2320B-2011	T	InitialAmount is blank					
680-99111-A-4 DU	SMSSW11	2320B-2011	T	InitialAmount is blank					
CCV 680-319601/11		2320B-2011		InitialAmount is blank	30 mL				
680-99111-A-5	SMSSW14	2320B-2011	T	InitialAmount is blank					
680-99111-A-6	SMSSW13	2320B-2011	T	InitialAmount is blank					
680-99111-A-7	SMSSW09 SPRING	2320B-2011	T	InitialAmount is blank					
680-99111-A-8	SMSSW09	2320B-2011	T	InitialAmount is blank					
CCV 680-319601/22		2320B-2011		InitialAmount is blank	30 mL				
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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

Batch Number: 318814 Batch Start Date: 03/09/14 15:30 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2540C-2011 Batch End Date: 03/10/14 12:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	Conductivity	CrucibleID	InitialAmount	TareWeight	Weight1	Weight2
MB 680-318814/1		2540C-2011			a	100 mL	82.8698 g	82.8700 g	82.8701 g
LCS 680-318814/2		2540C-2011			b	100 mL	89.1971 g	89.2093 g	89.2091 g
LCSD 680-318814/3		2540C-2011			c	100 mL	88.0819 g	88.0930 g	88.0929 g
680-99111-A-7	SMSSW09 SPRING	2540C-2011	T	616 umhos/cm	d	50 mL	74.3728 g	74.3896 g	74.3896 g
680-99111-A-7 DU	SMSSW09 SPRING	2540C-2011	T	616 umhos/cm	e	50 mL	76.7876 g	76.8050 g	76.8049 g
680-99111-A-1	SMSSW01	2540C-2011	T	133 umhos/cm	n	100 mL	82.5866 g	82.6013 g	82.6014 g
680-99111-A-4	SMSSW11	2540C-2011	T	252 umhos/cm	o	50 mL	77.6673 g	77.6751 g	77.6750 g
680-99111-A-2	SMSMW10A	2540C-2011	T	4350 umhos/cm	p	10 mL	74.4174 g	74.4602 g	74.4600 g
680-99111-A-3	SMSMW10B	2540C-2011	T	1602 umhos/cm	t	50 mL	69.3724 g	69.4384 g	69.4383 g
680-99111-A-5	SMSSW14	2540C-2011	T	408 umhos/cm	u	50 mL	75.1916 g	75.2049 g	75.2050 g
680-99111-A-6	SMSSW13	2540C-2011	T	471 umhos/cm	v	50 mL	75.9566 g	75.9710 g	75.9709 g
680-99111-A-8	SMSSW09	2540C-2011	T	618 umhos/cm	x	50 mL	79.5413 g	79.5601 g	79.5601 g
680-99111-A-8 DU	SMSSW09	2540C-2011	T	618 umhos/cm	y	50 mL	72.5538 g	72.5717 g	72.5717 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	Weight3	WeightOne%Diff	Residue	Residue2	FinalAmount	TS/TDS LCS 00226
MB 680-318814/1		2540C-2011		0 g	PASS_D	0.00020 g	0.00030 g	100 mL	
LCS 680-318814/2		2540C-2011		0 g	PASS_D	0.01220 g	0.01200 g	100 mL	100 mL
LCSD 680-318814/3		2540C-2011		0 g	PASS_D	0.01110 g	0.01100 g	100 mL	100 mL
680-99111-A-7	SMSSW09 SPRING	2540C-2011	T	0 g	PASS_D	0.01680 g	0.01680 g	100 mL	
680-99111-A-7 DU	SMSSW09 SPRING	2540C-2011	T	0 g	PASS_D	0.01740 g	0.01730 g	100 mL	
680-99111-A-1	SMSSW01	2540C-2011	T	0 g	PASS_D	0.01470 g	0.01480 g	100 mL	
680-99111-A-4	SMSSW11	2540C-2011	T	0 g	PASS_D	0.00780 g	0.00770 g	100 mL	
680-99111-A-2	SMSMW10A	2540C-2011	T	0 g	PASS_D	0.04280 g	0.04260 g	100 mL	
680-99111-A-3	SMSMW10B	2540C-2011	T	0 g	PASS_D	0.06600 g	0.06590 g	100 mL	
680-99111-A-5	SMSSW14	2540C-2011	T	0 g	PASS_D	0.01330 g	0.01340 g	100 mL	
680-99111-A-6	SMSSW13	2540C-2011	T	0 g	PASS_D	0.01440 g	0.01430 g	100 mL	
680-99111-A-8	SMSSW09	2540C-2011	T	0 g	PASS_D	0.01880 g	0.01880 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.: 680-99111-1

SDG No.: 68099111-1

Batch Number: 318814 Batch Start Date: 03/09/14 15:30 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2540C-2011 Batch End Date: 03/10/14 12:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	Weight3	WeightOne%Diff	Residue	Residue2	FinalAmount	TS/TDS LCS 00226
680-99111-A-8 DU	SMSSW09	2540C-2011	T	0 g	PASS_D	0.01790 g	0.01790 g	100 mL	

Batch Notes	
Balance ID	13
Batch Comment	wt1 @180 start 7:50 3-10-14. end 8:50 3-10-14
Conductivity Meter ID	PC Titrate
Constant Weight (WT2) Date/Time in Oven	3-10-14 9:57
Constant Weight (WT2) Date/Time Out	3-10-14 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	3-9-14
Oven Temp when samples are put in oven	105 Celsius
Nominal Amount Used	100 mL
Date samples were removed from oven	3-10-14
Oven Temp when samples removed from oven	180 Celsius
Oven ID	B
ID number of the thermometer	GEO1
Uncorrected In Temperature	105 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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

Batch Number: 319534 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 680-319534/13		5310 B-2011		25 mL	25		25 mL		
CCB 680-319534/14		5310 B-2011		25 mL	25				
LCS 680-319534/16		5310 B-2011		25 mL	25	25 mL			
CCV 680-319534/25		5310 B-2011		25 mL	25		25 mL		
CCB 680-319534/26		5310 B-2011		25 mL	25				
680-99111-H-1	SMSSW01	5310 B-2011	T	25 mL	25				
CCV 680-319534/37		5310 B-2011		25 mL	25		25 mL		
MB 680-319534/38		5310 B-2011		25 mL	25				
680-99111-J-2	SMSMW10A	5310 B-2011	T	25 mL	25				
680-99111-H-3	SMSMW10B	5310 B-2011	T	25 mL	25				
680-99111-H-4	SMSSW11	5310 B-2011	T	25 mL	25				
680-99111-J-5	SMSSW14	5310 B-2011	T	25 mL	25				
680-99111-H-6	SMSSW13	5310 B-2011	T	25 mL	25				
CCV 680-319534/49		5310 B-2011		25 mL	25		25 mL		
CCB 680-319534/50		5310 B-2011		25 mL	25				
CCV 680-319534/73		5310 B-2011		25 mL	25		25 mL		
CCB 680-319534/74		5310 B-2011		25 mL	25				
CCV 680-319534/84		5310 B-2011		25 mL	25		25 mL		
CCB 680-319534/85		5310 B-2011		25 mL	25				

Batch Notes	
Pipette ID	GE6
Sulfuric Acid Reagent ID Number	50% H2SO4_00001

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.: 680-99111-1

SDG No.: 68099111-1

Batch Number: 319534 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

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.: 680-99111-1

SDG No.: 68099111-1

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			
680-99111-I-7	SMSSW09 SPRING	5310 B-2011	T	25 mL	25 mL				
680-99111-H-8	SMSSW09	5310 B-2011	T	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				
CCV 680-319535/61		5310 B-2011		25 mL	25 mL		25 mL		
CCB 680-319535/62		5310 B-2011		25 mL	25 mL				

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 85008

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING 680 12412

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: Smoky Mtn Smelter	PROJECT NO.: ~~073-01-019~~	PROJECT LOCATION (STATE): TN	PAGE 1 OF 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 Walker	CLIENT E-MAIL: janice.austin@jmwalker.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

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	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)	Chromium (7196A)			REMARKS
								None	H2SO4	None	None	NaOH	H2SO4	None	HNO3			
3/3/14	1117	SMSSW01	G	W				1	1	1	1	2	3	1				48hr Hold orthophosphate/NO2/NO3
	1430	SMSMW10A						1	1	1	1	2	3	1				
	1450	SMSMW10B						1	1	1	1	2	3	1				
	1320	SMSSW11						1	1	1	1	2	3	1				
	1415	SMSSW14						1	1	1	1	2	3	1				
	1450	SMSSW13						1	1	1	1	2	3	1				
	1545	SMSSW09 SPRING						1	1	1	1	2	3	1				
	1610	SMSSW09						1	1	1	1	2	3	1				

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	3/3/14	1650						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[signature]	3-3-14	1650						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SEAL
[signature]	03/05/14	1015	YES ○ NO ○		

680-99111 Chain of Custody

1.0 / 1.2°C

TAL8240-680 (1008)

ANALYTICAL REPORT

Job Number: 680-99111-1

SDG Number: 68099111-1

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 10:54 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 526

Client: J.M. Waller Associates, Inc.

Job Number: 680-99111-1
Sdg Number: 68099111-1

General Chemistry

Client Sample ID: **SMSSW01**

Lab Sample ID: 680-99111-1
Client Matrix: Water

Date Sampled: 03/03/2014 1117
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.079		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319783	Analysis Date: 03/14/2014 1757						
ortho-Phosphate	0.027	J H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1423						
Total Organic Carbon	3.1		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319534	Analysis Date: 03/13/2014 0212						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	56		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	150		mg/L	5.0	5.0	1.0	2540C-2011
Analysis Batch: 680-318814	Analysis Date: 03/09/2014 1530						
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: 680-99111-1
Sdg Number: 68099111-1

General Chemistry

Client Sample ID: **SMSMW10A**

Lab Sample ID: 680-99111-2
Client Matrix: Water

Date Sampled: 03/03/2014 1430
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.071		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319783	Analysis Date: 03/14/2014 1757						
ortho-Phosphate	0.042	J H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1423						
Total Organic Carbon	1.9		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319534	Analysis Date: 03/13/2014 0258						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	<5.0		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	4300		mg/L	50	50	1.0	2540C-2011
Analysis Batch: 680-318814	Analysis Date: 03/09/2014 1530						
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: 680-99111-1
Sdg Number: 68099111-1

General Chemistry

Client Sample ID: **SMSMW10B**

Lab Sample ID: 680-99111-3
Client Matrix: Water

Date Sampled: 03/03/2014 1450
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.17		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319783	Analysis Date: 03/14/2014 1757						
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	<0.50		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319534	Analysis Date: 03/13/2014 0314						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	380		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	1300		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-318814	Analysis Date: 03/09/2014 1530						
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: 680-99111-1
Sdg Number: 68099111-1

General Chemistry

Client Sample ID: **SMSSW11**

Lab Sample ID: 680-99111-4
Client Matrix: Water

Date Sampled: 03/03/2014 1320
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.21		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319783	Analysis Date: 03/14/2014 1757						
ortho-Phosphate	0.040	J H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1426						
Total Organic Carbon	4.1		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319534	Analysis Date: 03/13/2014 0333						

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	150		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-318814	Analysis Date: 03/09/2014 1530						
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: 680-99111-1
Sdg Number: 68099111-1

General Chemistry

Client Sample ID: **SMSSW14**

Lab Sample ID: 680-99111-5
Client Matrix: Water

Date Sampled: 03/03/2014 1415
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.088		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319783	Analysis Date: 03/14/2014 1757						
ortho-Phosphate	0.037	J H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1426						
Total Organic Carbon	2.6		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319534	Analysis Date: 03/13/2014 0349						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	120		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	270		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-318814	Analysis Date: 03/09/2014 1530						
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: 680-99111-1
Sdg Number: 68099111-1

General Chemistry

Client Sample ID: **SMSSW13**

Lab Sample ID: 680-99111-6
Client Matrix: Water

Date Sampled: 03/03/2014 1450
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.11		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319783	Analysis Date: 03/14/2014 1806						
ortho-Phosphate	0.036	J H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1426						
Total Organic Carbon	2.3		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319534	Analysis Date: 03/13/2014 0403						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	120		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	290		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-318814	Analysis Date: 03/09/2014 1530						
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						

General Chemistry

Client Sample ID: **SMSSW09 SPRING**

Lab Sample ID: 680-99111-7
Client Matrix: Water

Date Sampled: 03/03/2014 1545
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.11		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319783	Analysis Date: 03/14/2014 1806						
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	0.72	J	mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319535	Analysis Date: 03/13/2014 0434						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	200		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	340		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-318814	Analysis Date: 03/09/2014 1530						
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: 680-99111-1
Sdg Number: 68099111-1

General Chemistry

Client Sample ID: **SMSSW09**

Lab Sample ID: 680-99111-8
Client Matrix: Water

Date Sampled: 03/03/2014 1010
Date Received: 03/05/2014 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.097		mg/L	0.026	0.050	1.0	350.1
Analysis Batch: 680-319360	Analysis Date: 03/12/2014 1405						
ortho-Phosphate	0.023	J H	mg/L	0.016	0.050	1.0	365.1
Analysis Batch: 680-318579	Analysis Date: 03/06/2014 1426						
Total Organic Carbon	2.6		mg/L	0.50	1.0	1.0	5310 B-2011
Analysis Batch: 680-319535	Analysis Date: 03/13/2014 0515						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	130		mg/L	5.0	5.0	1.0	2320B-2011
Analysis Batch: 680-319601	Analysis Date: 03/13/2014 1353						
Total Dissolved Solids	380		mg/L	10	10	1.0	2540C-2011
Analysis Batch: 680-318814	Analysis Date: 03/09/2014 1530						
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						

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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0316141331-14.d

Lab ID: LCS 680-319850/9 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Sulfate	10.0	10.1	101	90-110	
Fluoride	2.00	2.07	104	90-110	
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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0316141347-15.d

Lab ID: LCSD 680-319850/10 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	10.0	10.1	101	1	30	90-110	
Fluoride	2.00	2.06	103	1	30	90-110	
Chloride	10.0	9.90	99	1	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.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0314142209-23.d

Lab ID: 680-99111-4 MS Client ID: SMSSW11 MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Sulfate	10.0	9.3	19.7	104	80-120	
Fluoride	2.00	0.081 J	2.24	108	80-120	
Chloride	10.0	5.6	15.7	102	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.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0316141519-21.d

Lab ID: 680-99111-6 MS Client ID: SMSSW13 MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Sulfate	40.0	16	61.4	113	80-120	
Fluoride	8.00	0.63	9.86	115	80-120	
Chloride	40.0	71	114	108	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.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0314142224-24.d

Lab ID: 680-99111-4 MSD Client ID: SMSSW11 MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	10.0	19.5	102	1	30	80-120	
Fluoride	2.00	2.20	106	2	30	80-120	
Chloride	10.0	15.7	101	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.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0316141534-22.d

Lab ID: 680-99111-6 MSD Client ID: SMSSW13 MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Sulfate	40.0	61.6	113	0	30	80-120	
Fluoride	8.00	9.91	116	1	30	80-120	
Chloride	40.0	114	109	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.: 680-99111-1

SDG No.: 68099111-1

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
SMSSW01	680-99111-1	0314142037-17.d	03/14/2014 20:37
SMSMW10B	680-99111-3	0314142138-21.d	03/14/2014 21:38
SMSSW11	680-99111-4	0314142153-22.d	03/14/2014 21:53
SMSSW11 MS	680-99111-4 MS	0314142209-23.d	03/14/2014 22:09
SMSSW11 MSD	680-99111-4 MSD	0314142224-24.d	03/14/2014 22:24
SMSSW14	680-99111-5	0314142239-25.d	03/14/2014 22:39
SMSSW13	680-99111-6	0314142255-26.d	03/14/2014 22:55
	CCB 680-319822/23	0314142325-28.d	03/14/2014 23:25
SMSSW09 SPRING	680-99111-7	0314142340-29.d	03/14/2014 23:40
SMSSW09	680-99111-8	0314142356-30.d	03/14/2014 23:56
	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.: 680-99111-1

SDG No.: 68099111-1

Lab File ID: 0316141316-13.d Lab Sample ID: MB 680-319850/8

Matrix: Water Date Extracted:

Instrument ID: CICK Date Analyzed: 03/16/2014 13:16

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	ICB 680-319850/1008	0316141316-13-ICB.d	03/16/2014 13:16
	LCS 680-319850/9	0316141331-14.d	03/16/2014 13:31
	LCSD 680-319850/10	0316141347-15.d	03/16/2014 13:47
SMSMW10A	680-99111-2	0316141417-17.d	03/16/2014 14:17
SMSMW10B	680-99111-3	0316141433-18.d	03/16/2014 14:33
SMSSW14	680-99111-5	0316141448-19.d	03/16/2014 14:48
SMSSW13	680-99111-6	0316141503-20.d	03/16/2014 15:03
SMSSW13 MS	680-99111-6 MS	0316141519-21.d	03/16/2014 15:19
SMSSW13 MSD	680-99111-6 MSD	0316141534-22.d	03/16/2014 15:34
SMSSW09 SPRING	680-99111-7	0316141549-23.d	03/16/2014 15:49
SMSSW09	680-99111-8	0316141605-24.d	03/16/2014 16:05
	CCB 680-319850/21	0316141635-26.d	03/16/2014 16:35

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW01 Lab Sample ID: 680-99111-1

Matrix: Water Lab File ID: 0314142037-17.d

Analysis Method: 300.0 Date Collected: 03/03/2014 11:17

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/14/2014 20:37

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	4.9		0.50	0.25
16984-48-8	Fluoride	0.057	J	0.10	0.025
16887-00-6	Chloride	1.9		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314142037-17.d				
Lims ID:	680-99111-F-1	Lab Sample ID:	680-99111-1		
Client ID:	SMSSW01				
Sample Type:	Client				
Inject. Date:	14-Mar-2014 20:37:00	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99111-F-1 1K031414 1K082812A				
Misc. Info.:	17906				
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				
First Level Reviewer: brazellc		Date:	16-Mar-2014 09:06:35		

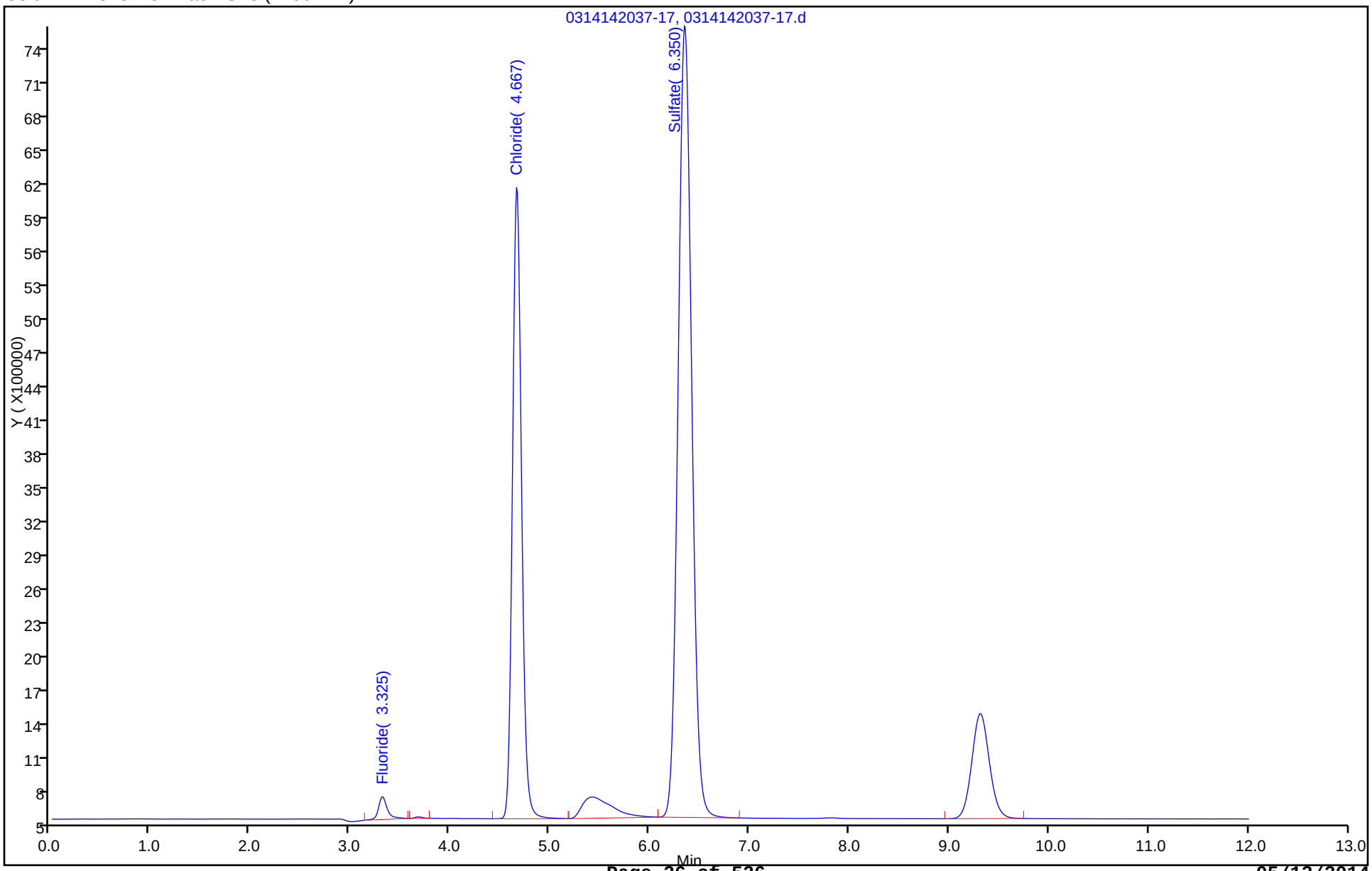
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.325	0.0	1248689	0.0569	
2 Chloride	4.667	4.667	0.0	35662770	1.92	
3 Sulfate	6.350	6.350	0.0	66702073	4.91	

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\0314142037-17.d				
Injection Date:	14-Mar-2014 20:37:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99111-F-1	Lab Sample ID:	680-99111-1	Worklist Smp#:	12
Client ID:	SMSSW01				
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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSMW10A Lab Sample ID: 680-99111-2

Matrix: Water Lab File ID: 0316141417-17.d

Analysis Method: 300.0 Date Collected: 03/03/2014 14:30

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/16/2014 14:17

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.: 319850 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	1700		25	13
16984-48-8	Fluoride	73		5.0	1.3
16887-00-6	Chloride	850		25	13

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141417-17.d
Lims ID: 680-99111-F-2 Lab Sample ID: 680-99111-2
Client ID: SMSMW10A
Sample Type: Client
Inject. Date: 16-Mar-2014 14:17:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 25.0 ul Dil. Factor: 50.0000
Sample Info: 680-99111-F-2 1K031614 1K082812A
Misc. Info.: 17
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 09:13:46

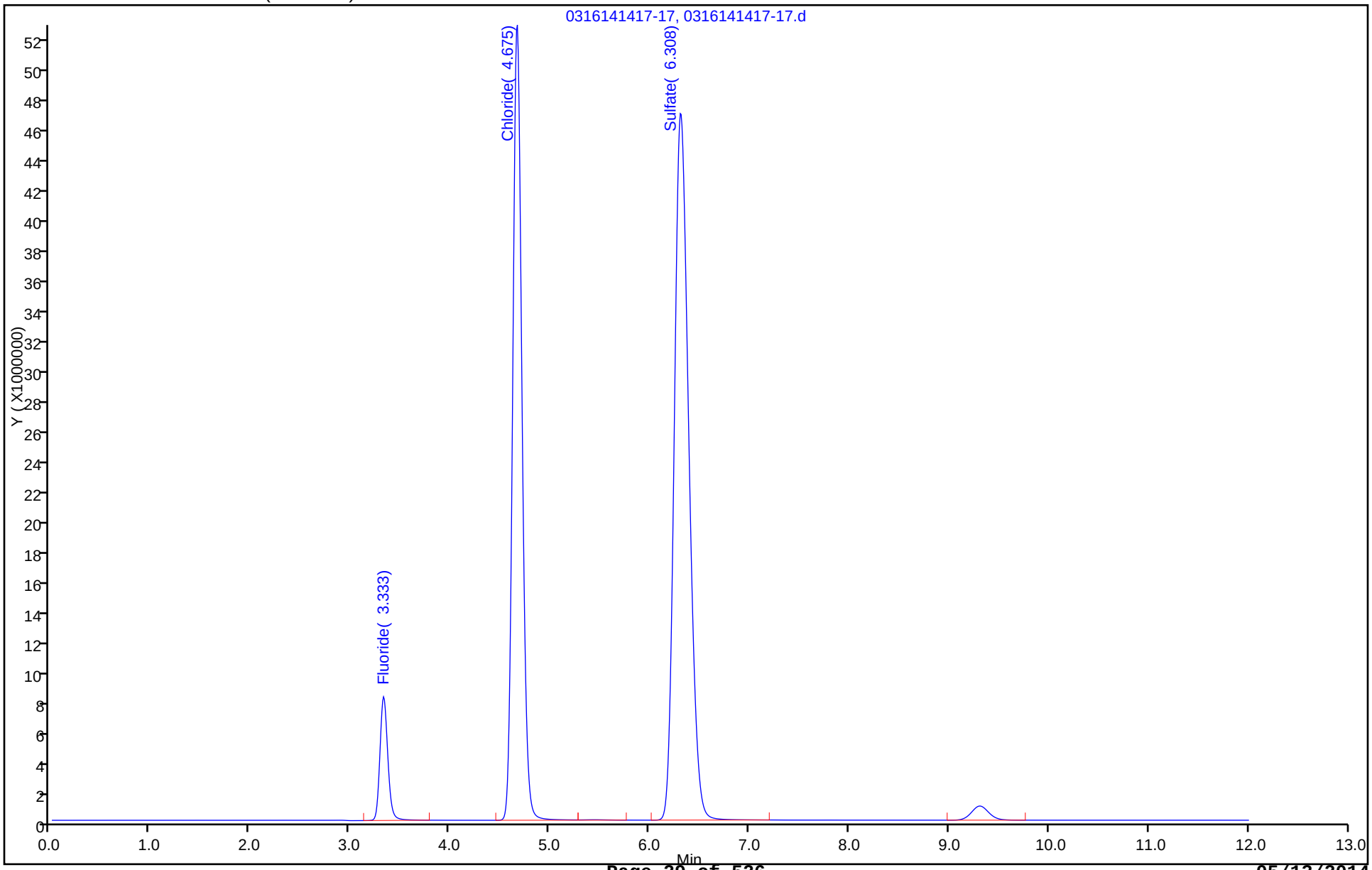
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.333	0.0	44213697	1.45	
2 Chloride	4.675	4.667	0.008	335138881	17.0	
3 Sulfate	6.308	6.350	-0.042	464591106	33.0	

Report Date: 17-Mar-2014 13:01:16 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141417-17.d				
Injection Date:	16-Mar-2014 14:17:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99111-F-2	Lab Sample ID:	680-99111-2	Worklist Smp#:	12
Client ID:	SMSMW10A				
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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSMW10B Lab Sample ID: 680-99111-3

Matrix: Water Lab File ID: 0314142138-21.d

Analysis Method: 300.0 Date Collected: 03/03/2014 14:50

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/14/2014 21:38

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
16984-48-8	Fluoride	9.0		0.40	0.10
16887-00-6	Chloride	66		2.0	1.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314142138-21.d
Lims ID: 680-99111-F-3 Lab Sample ID: 680-99111-3
Client ID: SMSMW10B
Sample Type: Client
Inject. Date: 14-Mar-2014 21:38:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 25.0 ul Dil. Factor: 4.0000
Sample Info: 680-99111-F-3 1K031414 1K082812A
Misc. Info.: 12557
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

First Level Reviewer: brazellc Date: 17-Mar-2014 07:49:04

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.325	0.0	67845840	2.26	
2 Chloride	4.667	4.667	0.0	326014777	16.6	
3 Sulfate	6.192	6.350	-0.158	2058096033	146.9	E

QC Flag Legend

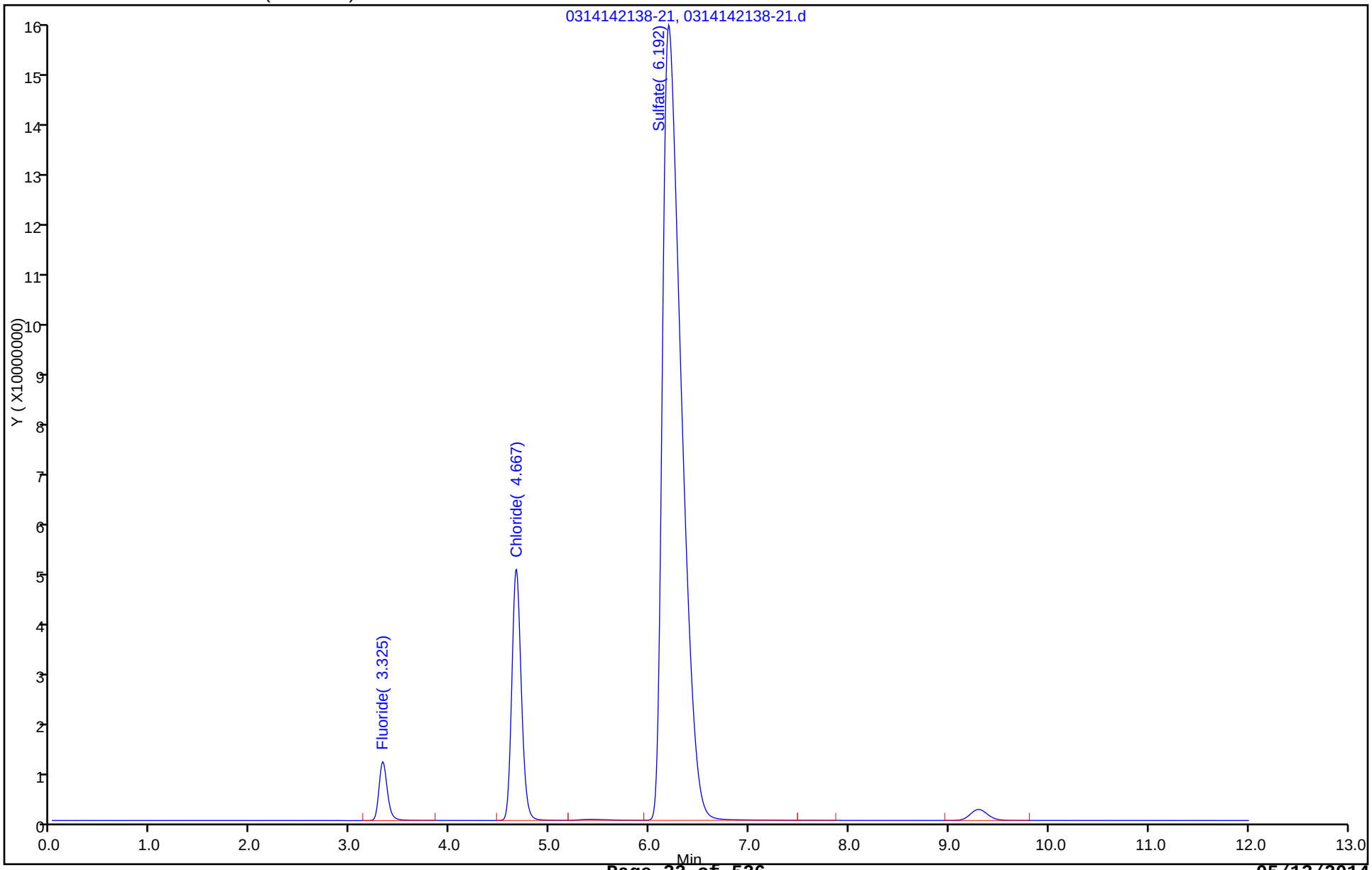
Processing Flags
E - Exceeded Maximum Amount

Report Date: 17-Mar-2014 07:59:24 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314142138-21.d				
Injection Date:	14-Mar-2014 21:38:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99111-F-3	Lab Sample ID:	680-99111-3	Worklist Smp#:	16
Client ID:	SMSMW10B				
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.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID: SMSMW10B
Lab Sample ID: 680-99111-3
Matrix: Water
Lab File ID: 0316141433-18.d
Analysis Method: 300.0
Date Collected: 03/03/2014 14:50
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/16/2014 14:33
Con. Extract Vol.: 1(mL)
Dilution Factor: 25
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	600		13	6.3

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141433-18.d				
Lims ID:	680-99111-F-3	Lab Sample ID:	680-99111-3		
Client ID:	SMSMW10B				
Sample Type:	Client				
Inject. Date:	16-Mar-2014 14:33:00	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	25.0 ul	Dil. Factor:	25.0000		
Sample Info:	680-99111-F-3 1K031614 1K082812A				
Misc. Info.:	18				
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				

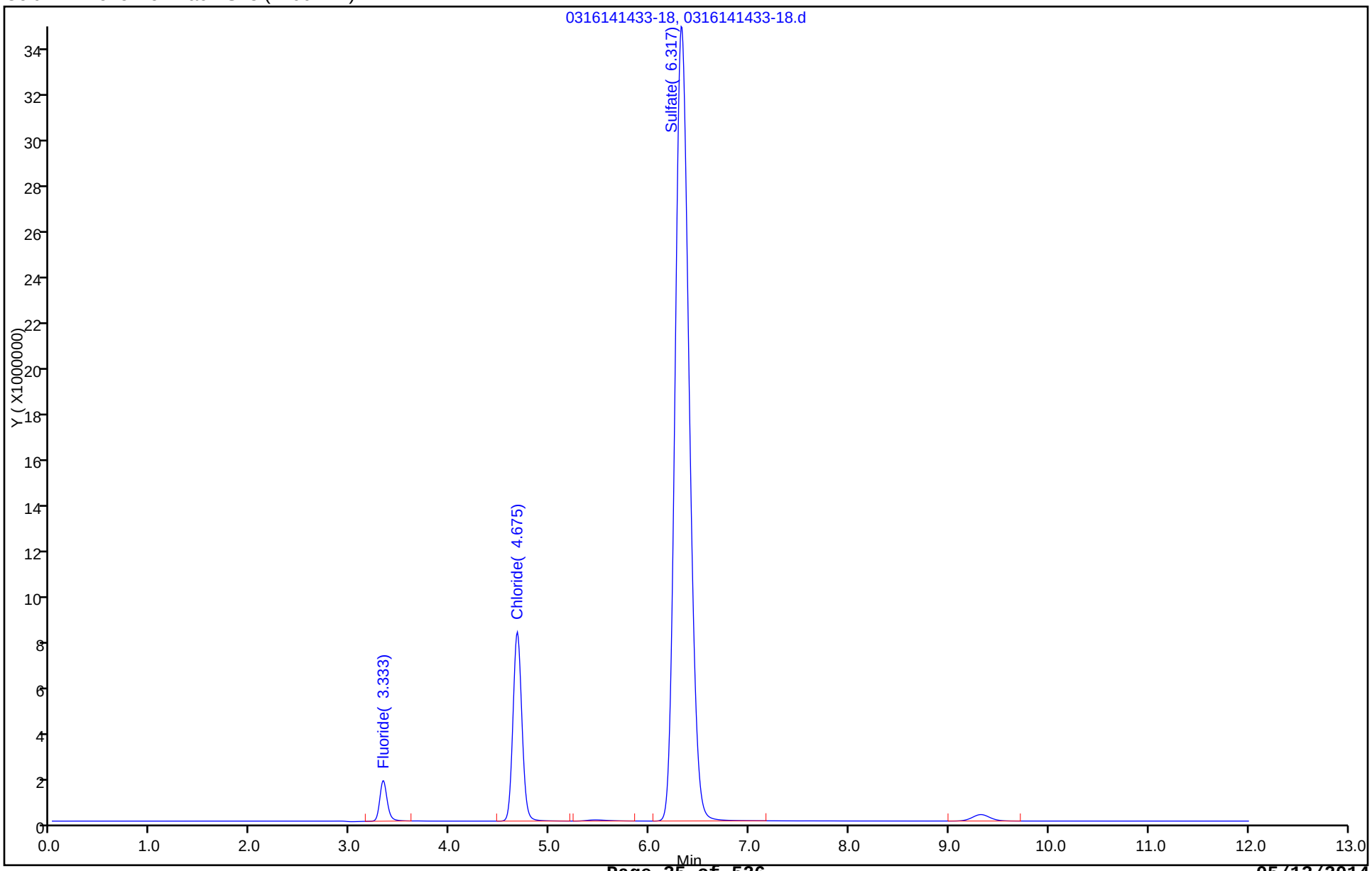
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.333	0.0	9084709	0.3059	
2 Chloride	4.675	4.667	0.008	50486027	2.64	
3 Sulfate	6.317	6.350	-0.033	335434984	23.9	

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

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141433-18.d				
Injection Date:	16-Mar-2014 14:33:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99111-F-3	Lab Sample ID:	680-99111-3	Worklist Smp#:	13
Client ID:	SMSMW10B				
Injection Vol:	25.0 ul	Dil. Factor:	25.0000	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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW11 Lab Sample ID: 680-99111-4

Matrix: Water Lab File ID: 0314142153-22.d

Analysis Method: 300.0 Date Collected: 03/03/2014 13:20

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/14/2014 21:53

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	9.3		0.50	0.25
16984-48-8	Fluoride	0.081	J	0.10	0.025
16887-00-6	Chloride	5.6		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314142153-22.d				
Lims ID:	680-99111-F-4	Lab Sample ID:	680-99111-4		
Client ID:	SMSSW11				
Sample Type:	Client				
Inject. Date:	14-Mar-2014 21:53:00	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99111-F-4 1K031414 1K082812A				
Misc. Info.:	8390				
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				

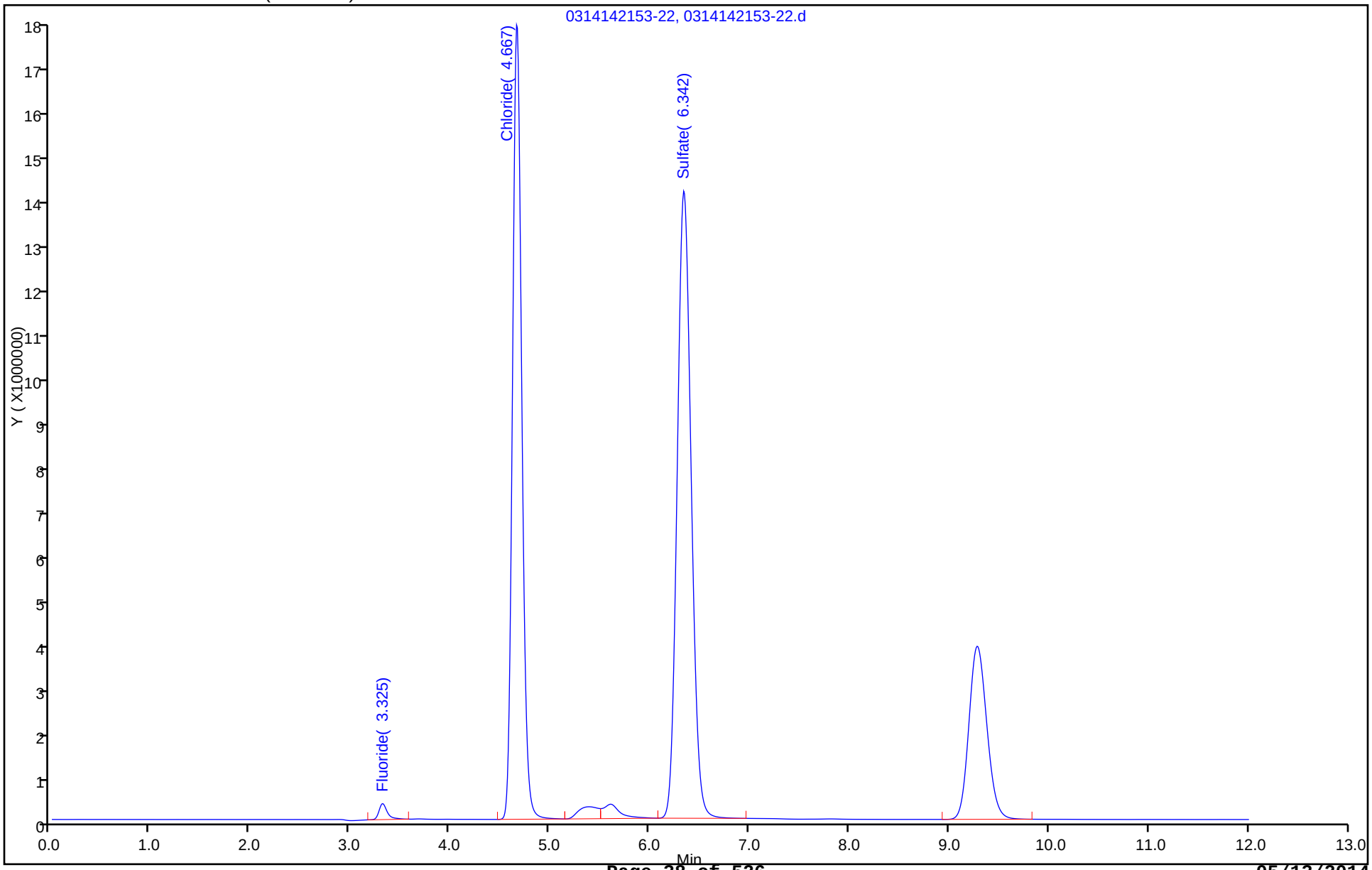
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.325	0.0	1973743	0.0809	
2 Chloride	4.667	4.667	0.0	108391642	5.60	
3 Sulfate	6.342	6.350	-0.008	128429049	9.31	

Report Date: 17-Mar-2014 07:59:24 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314142153-22.d				
Injection Date:	14-Mar-2014 21:53:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99111-F-4	Lab Sample ID:	680-99111-4	Worklist Smp#:	17
Client ID:	SMSSW11				
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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW14 Lab Sample ID: 680-99111-5

Matrix: Water Lab File ID: 0314142239-25.d

Analysis Method: 300.0 Date Collected: 03/03/2014 14:15

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/14/2014 22:39

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	14		0.50	0.25
16984-48-8	Fluoride	0.51		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314142239-25.d				
Lims ID:	680-99111-F-5	Lab Sample ID:	680-99111-5		
Client ID:	SMSSW14				
Sample Type:	Client				
Inject. Date:	14-Mar-2014 22:39:00	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99111-F-5 1K031414 1K082812A				
Misc. Info.:	20626				
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
1 Fluoride	3.325	3.333	-0.008	14916731	0.5092	
2 Chloride	4.658	4.675	-0.017	995243132	50.4	E
3 Sulfate	6.342	6.350	-0.008	191316565	13.8	

QC Flag Legend

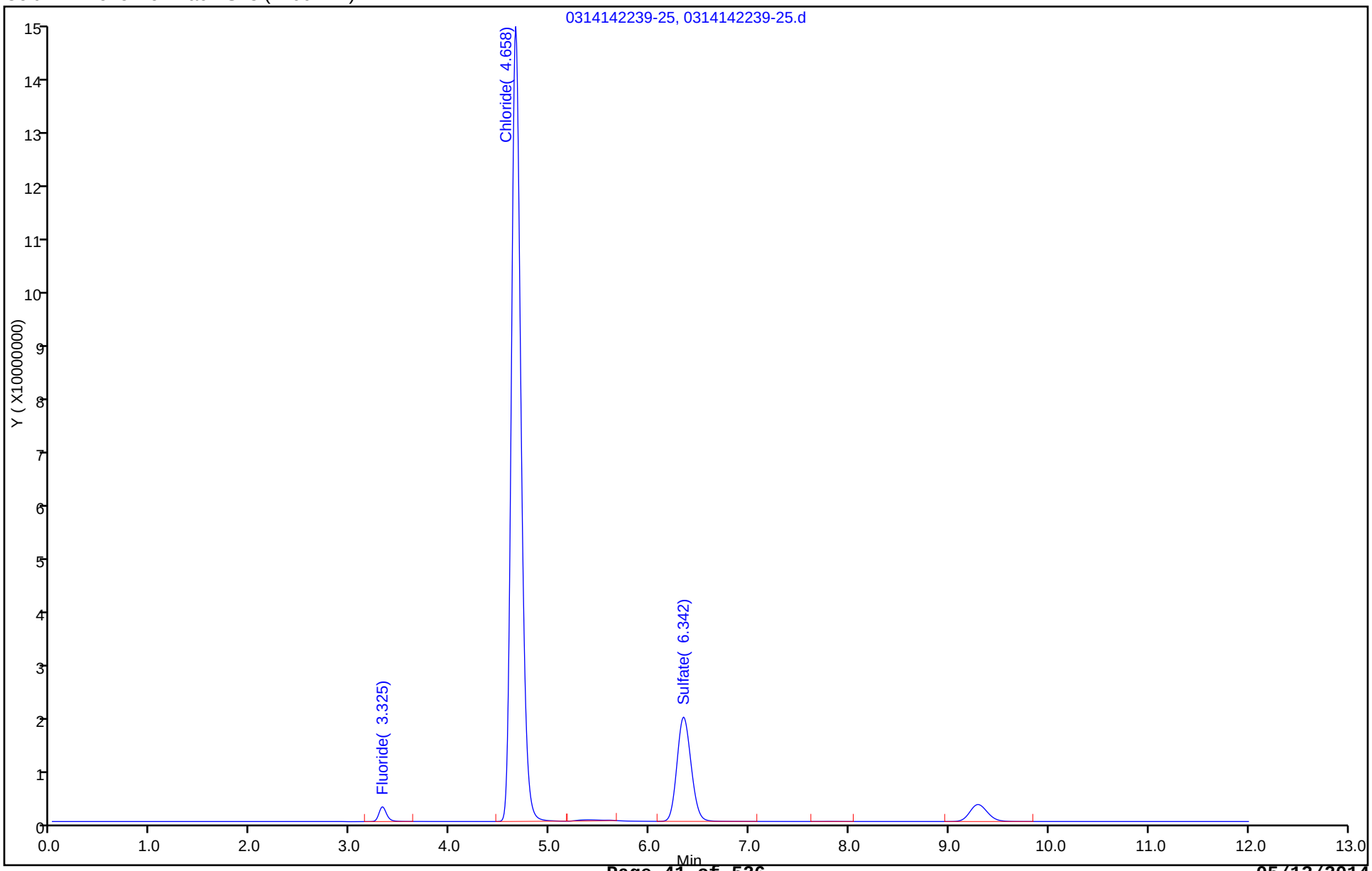
Processing Flags
E - Exceeded Maximum Amount

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\0314142239-25.d				
Injection Date:	14-Mar-2014 22:39:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99111-F-5	Lab Sample ID:	680-99111-5	Worklist Smp#:	20
Client ID:	SMSSW14				
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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW14 Lab Sample ID: 680-99111-5

Matrix: Water Lab File ID: 0316141448-19.d

Analysis Method: 300.0 Date Collected: 03/03/2014 14:15

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/16/2014 14:48

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.: 319850 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	51		1.0	0.50

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141448-19.d				
Lims ID:	680-99111-F-5	Lab Sample ID:	680-99111-5		
Client ID:	SMSSW14				
Sample Type:	Client				
Inject. Date:	16-Mar-2014 14:48:00	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-99111-F-5 1K031614 1K082812A				
Misc. Info.:	19				
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				

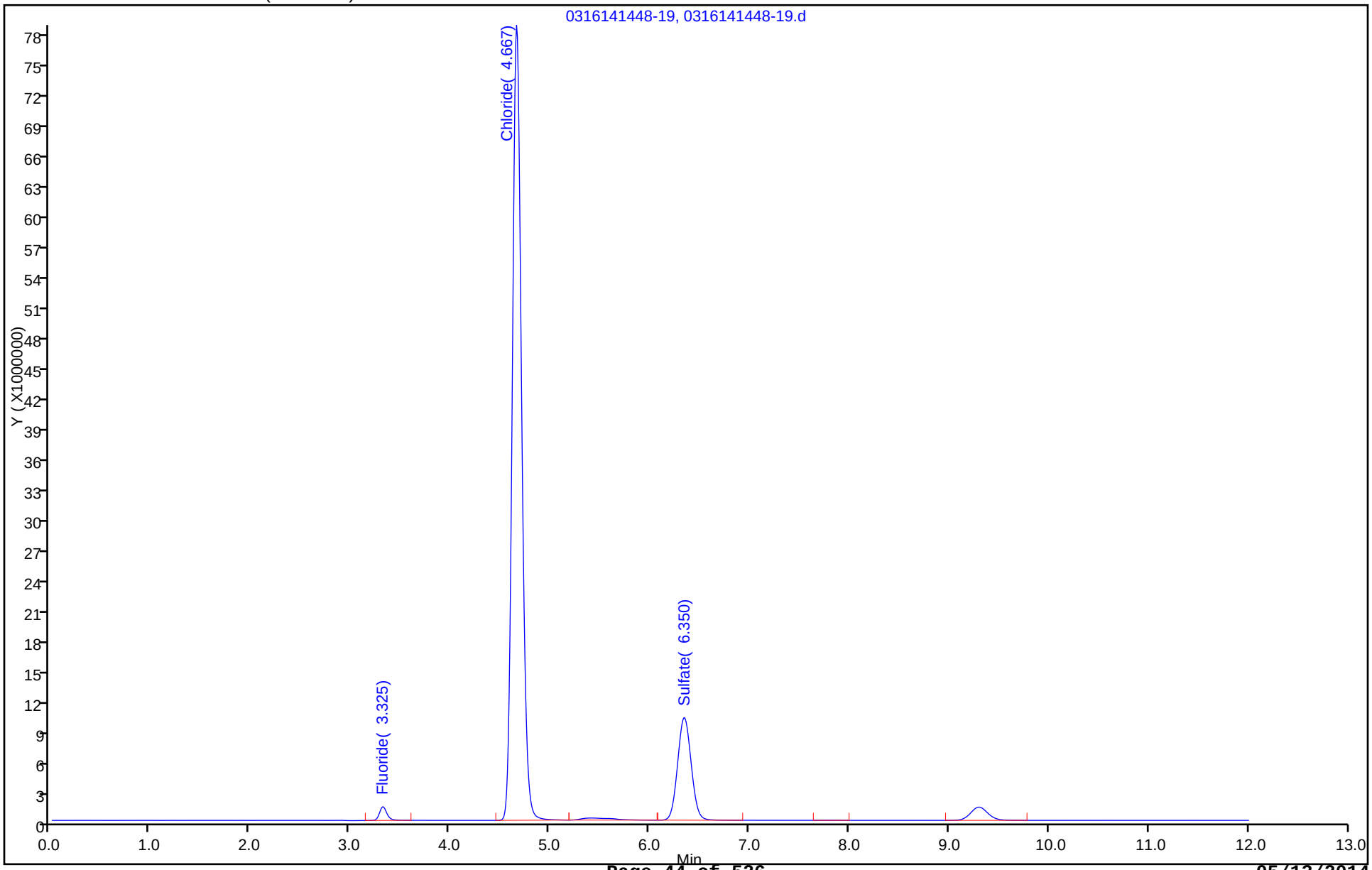
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.333	-0.008	7022680	0.2386	
2 Chloride	4.667	4.667	0.0	503708505	25.5	
3 Sulfate	6.350	6.350	0.0	94875333	6.87	

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

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141448-19.d				
Injection Date:	16-Mar-2014 14:48:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99111-F-5	Lab Sample ID:	680-99111-5	Worklist Smp#:	14
Client ID:	SMSSW14				
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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW13 Lab Sample ID: 680-99111-6

Matrix: Water Lab File ID: 0314142255-26.d

Analysis Method: 300.0 Date Collected: 03/03/2014 14:50

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/14/2014 22:55

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	17		0.50	0.25
16984-48-8	Fluoride	0.71		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314142255-26.d				
Lims ID:	680-99111-F-6	Lab Sample ID:	680-99111-6		
Client ID:	SMSSW13				
Sample Type:	Client				
Inject. Date:	14-Mar-2014 22:55:00	ALS Bottle#:	0	Worklist Smp#:	21
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99111-F-6 1K031414 1K082812A				
Misc. Info.:	28665				
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	3.325	3.325	0.0	20926355	0.7081	
2 Chloride	4.650	4.667	-0.017	1382859548	70.0	E
3 Sulfate	6.333	6.350	-0.017	232128695	16.7	

QC Flag Legend

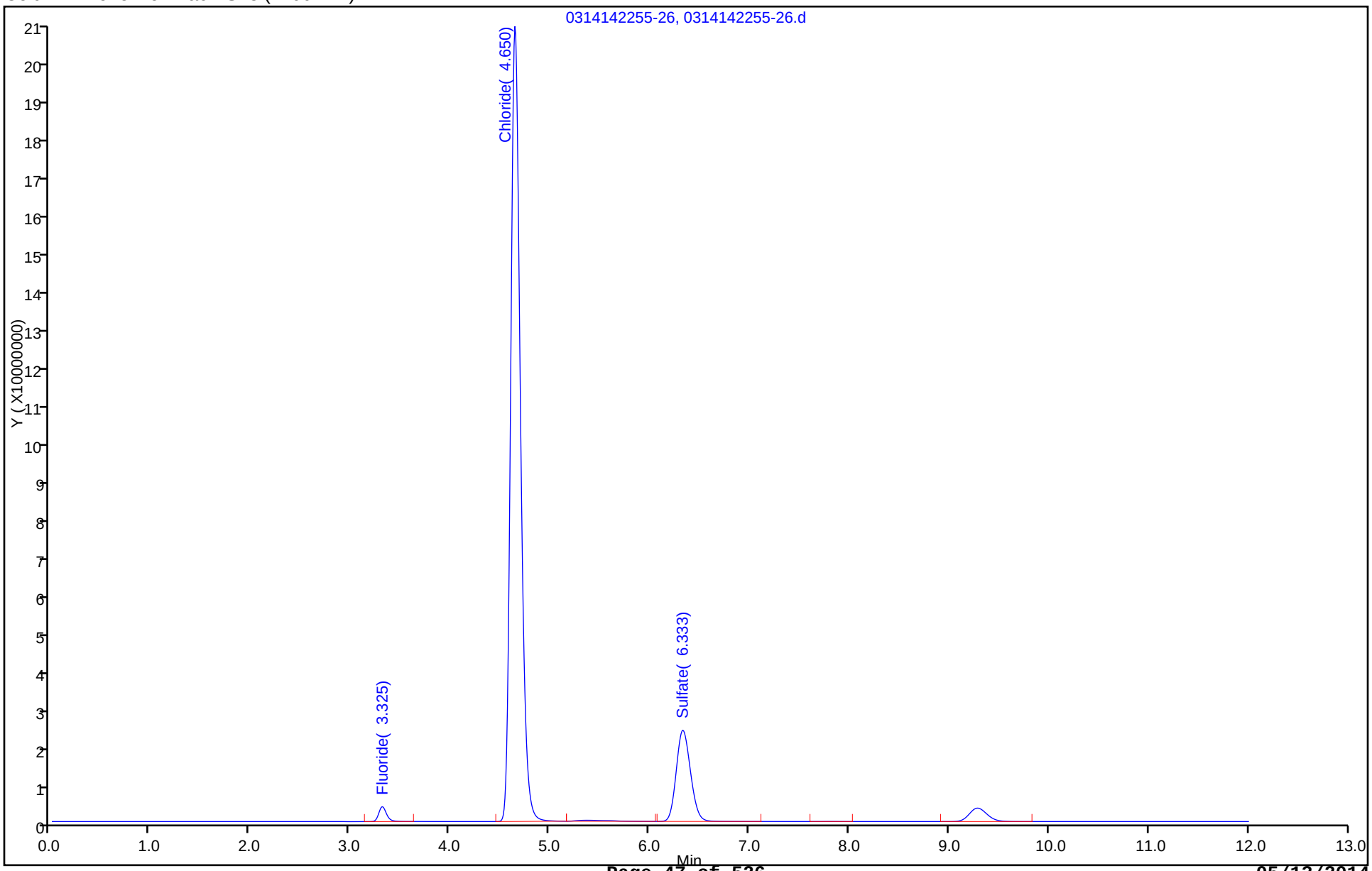
Processing Flags
E - Exceeded Maximum Amount

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\0314142255-26.d				
Injection Date:	14-Mar-2014 22:55:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99111-F-6	Lab Sample ID:	680-99111-6	Worklist Smp#:	21
Client ID:	SMSSW13				
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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW13 Lab Sample ID: 680-99111-6

Matrix: Water Lab File ID: 0316141503-20.d

Analysis Method: 300.0 Date Collected: 03/03/2014 14:50

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/16/2014 15:03

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.: 319850 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	71		2.0	1.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141503-20.d				
Lims ID:	680-99111-F-6	Lab Sample ID:	680-99111-6		
Client ID:	SMSSW13				
Sample Type:	Client				
Inject. Date:	16-Mar-2014 15:03:00	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	25.0 ul	Dil. Factor:	4.0000		
Sample Info:	680-99111-F-6 1K031614 1K082812A				
Misc. Info.:	20				
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				

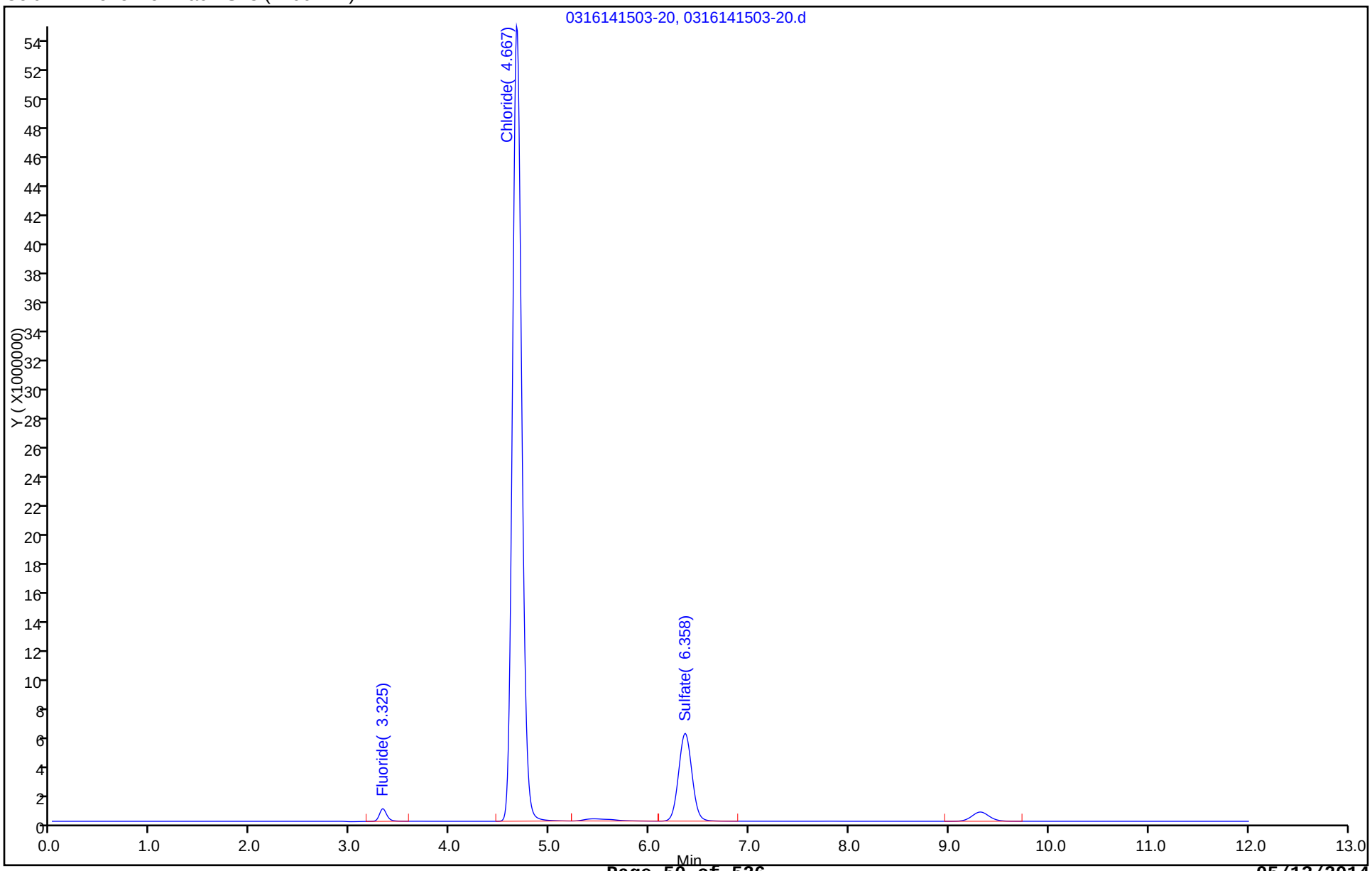
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.333	-0.008	4509511	0.1566	
2 Chloride	4.667	4.667	0.0	348526718	17.7	
3 Sulfate	6.358	6.350	0.008	55389727	4.07	

Report Date: 17-Mar-2014 13:01:18 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141503-20.d				
Injection Date:	16-Mar-2014 15:03:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99111-F-6	Lab Sample ID:	680-99111-6	Worklist Smp#:	15
Client ID:	SMSSW13				
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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW09 SPRING Lab Sample ID: 680-99111-7

Matrix: Water Lab File ID: 0314142340-29.d

Analysis Method: 300.0 Date Collected: 03/03/2014 15:45

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/14/2014 23:40

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	15		0.50	0.25
16984-48-8	Fluoride	0.097	J	0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314142340-29.d				
Lims ID:	680-99111-F-7	Lab Sample ID:	680-99111-7		
Client ID:	SMSSW09 SPRING				
Sample Type:	Client				
Inject. Date:	14-Mar-2014 23:40:00	ALS Bottle#:	0	Worklist Smp#:	24
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99111-F-7 1K031414 1K082812A				
Misc. Info.:	14208				
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	2450891	0.0966	
2 Chloride	4.658	4.675	-0.017	1258223251	63.7	E
3 Sulfate	6.325	6.358	-0.033	205565197	14.8	

QC Flag Legend

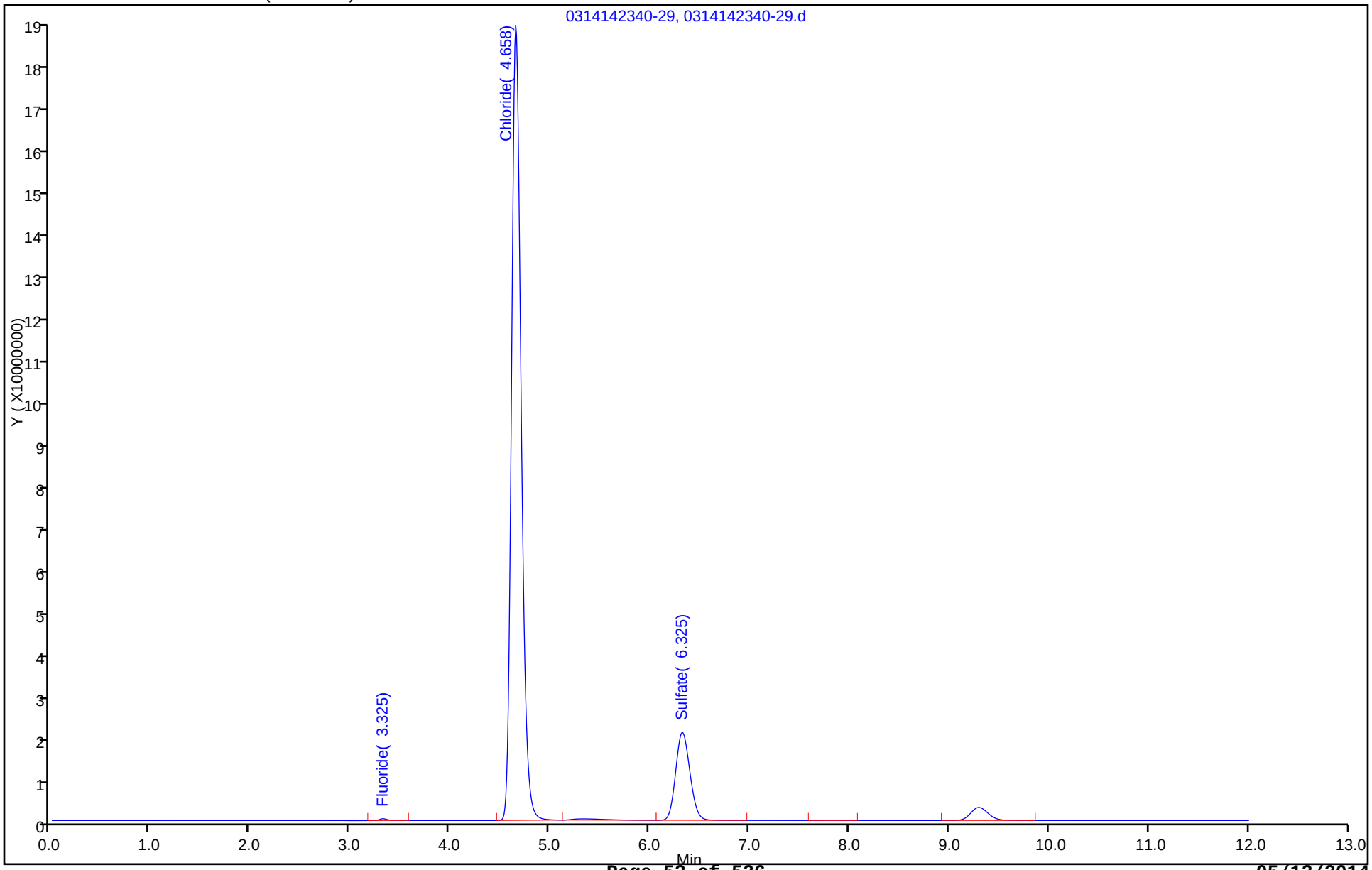
Processing Flags
E - Exceeded Maximum Amount

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\0314142340-29.d				
Injection Date:	14-Mar-2014 23:40:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99111-F-7	Lab Sample ID:	680-99111-7	Worklist Smp#:	24
Client ID:	SMSSW09 SPRING				
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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW09 SPRING Lab Sample ID: 680-99111-7

Matrix: Water Lab File ID: 0316141549-23.d

Analysis Method: 300.0 Date Collected: 03/03/2014 15:45

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/16/2014 15:49

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.: 319850 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	64		1.0	0.50

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141549-23.d				
Lims ID:	680-99111-F-7	Lab Sample ID:	680-99111-7		
Client ID:	SMSSW09 SPRING				
Sample Type:	Client				
Inject. Date:	16-Mar-2014 15:49:00	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-99111-F-7 1K031614 1K082812A				
Misc. Info.:	23				
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				

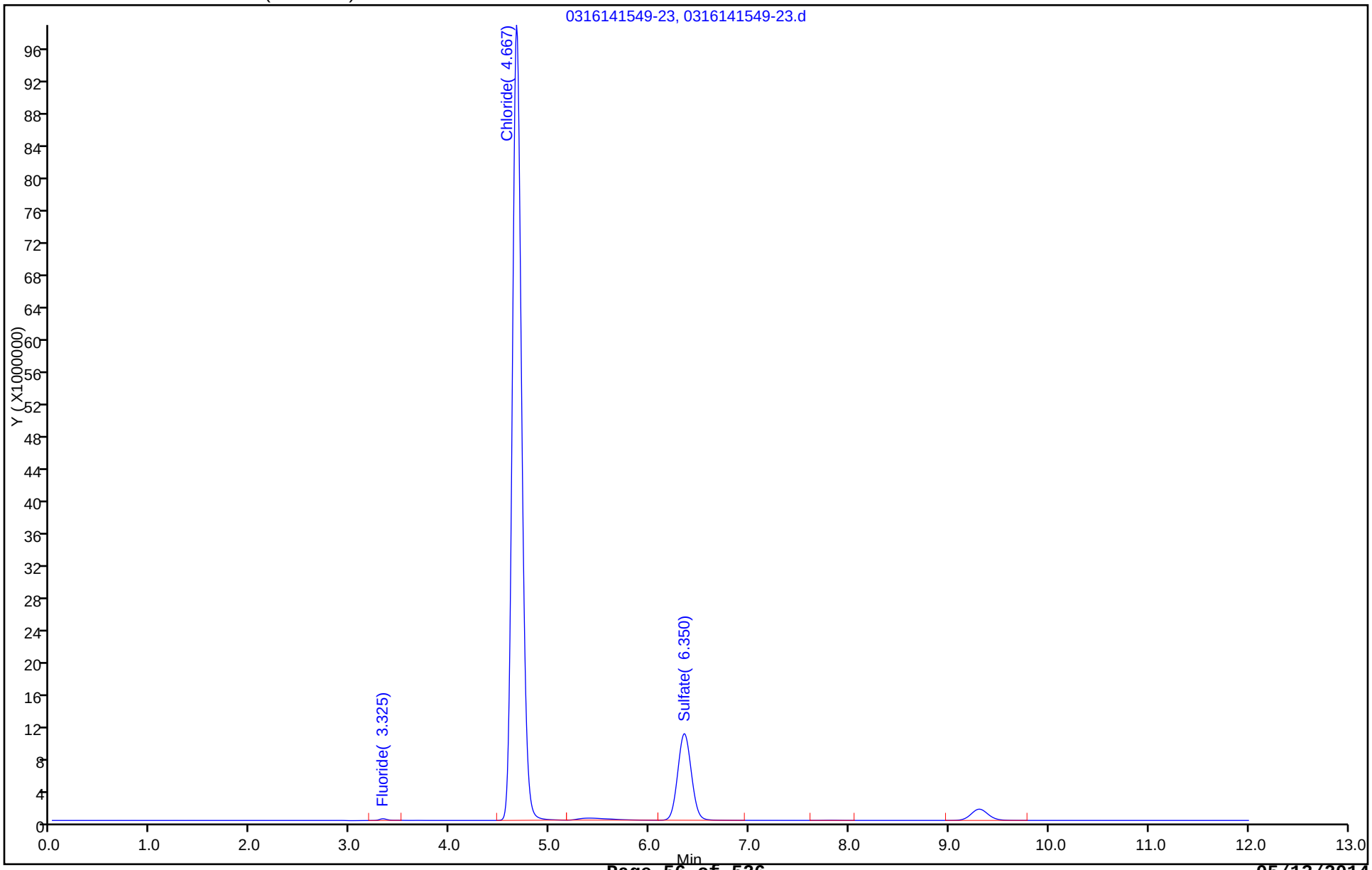
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.325	3.333	-0.008	1093416	0.0452	
2 Chloride	4.667	4.667	0.0	637284348	32.2	
3 Sulfate	6.350	6.350	0.0	101441311	7.33	

Report Date: 17-Mar-2014 13:01:19 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141549-23.d				
Injection Date:	16-Mar-2014 15:49:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99111-F-7	Lab Sample ID:	680-99111-7	Worklist Smp#:	18
Client ID:	SMSSW09 SPRING				
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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW09 Lab Sample ID: 680-99111-8

Matrix: Water Lab File ID: 0314142356-30.d

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

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/14/2014 23:56

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.: 319822 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	18		0.50	0.25
16984-48-8	Fluoride	0.86		0.10	0.025

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314142356-30.d				
Lims ID:	680-99111-F-8	Lab Sample ID:	680-99111-8		
Client ID:	SMSSW09				
Sample Type:	Client				
Inject. Date:	14-Mar-2014 23:56:00	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99111-F-8 1K031414 1K082812A				
Misc. Info.:	10043				
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	25643398	0.8642	
2 Chloride	4.650	4.675	-0.025	1992225152	100.8	E
3 Sulfate	6.333	6.358	-0.025	256171496	18.4	

QC Flag Legend

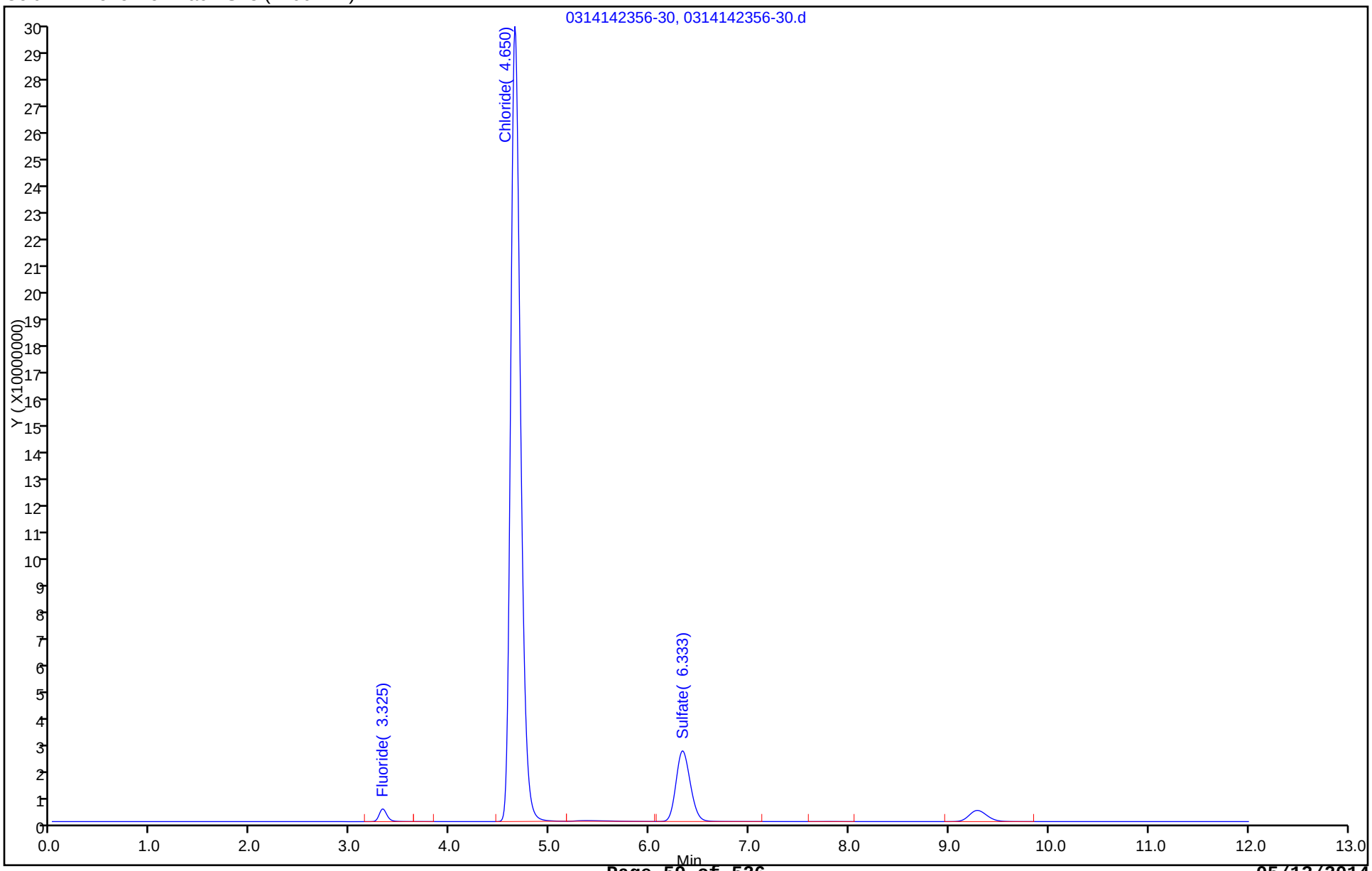
Processing Flags
E - Exceeded Maximum Amount

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\0314142356-30.d				
Injection Date:	14-Mar-2014 23:56:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99111-F-8	Lab Sample ID:	680-99111-8	Worklist Smp#:	25
Client ID:	SMSSW09				
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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW09 Lab Sample ID: 680-99111-8

Matrix: Water Lab File ID: 0316141605-24.d

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

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/16/2014 16:05

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.: 319850 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	100		2.0	1.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141605-24.d				
Lims ID:	680-99111-F-8	Lab Sample ID:	680-99111-8		
Client ID:	SMSSW09				
Sample Type:	Client				
Inject. Date:	16-Mar-2014 16:05:00	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	25.0 ul	Dil. Factor:	4.0000		
Sample Info:	680-99111-F-8 1K031614 1K082812A				
Misc. Info.:	24				
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				

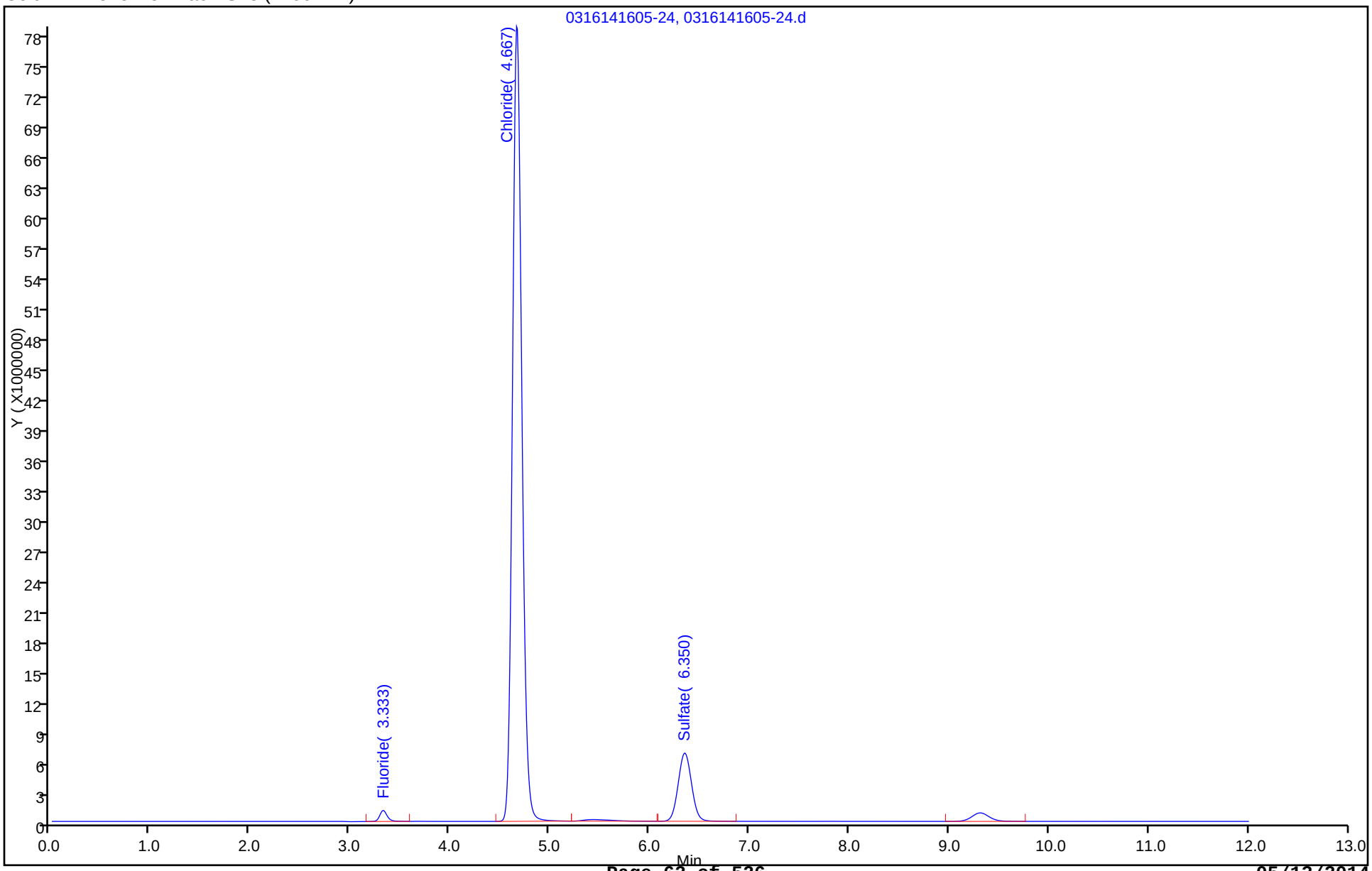
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.333	0.0	5623583	0.1930	
2 Chloride	4.667	4.667	0.0	506866218	25.7	
3 Sulfate	6.350	6.350	0.0	62178398	4.55	

Report Date: 17-Mar-2014 13:01:20 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141605-24.d				
Injection Date:	16-Mar-2014 16:05:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99111-F-8	Lab Sample ID:	680-99111-8	Worklist Smp#:	19
Client ID:	SMSSW09				
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 VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1 Analy Batch No.: 319822

SDG No.: 68099111-1

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.: 680-99111-1 Analy Batch No.: 319822

SDG No.: 68099111-1

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.: 680-99111-1 Analy Batch No.: 319822

SDG No.: 68099111-1

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:

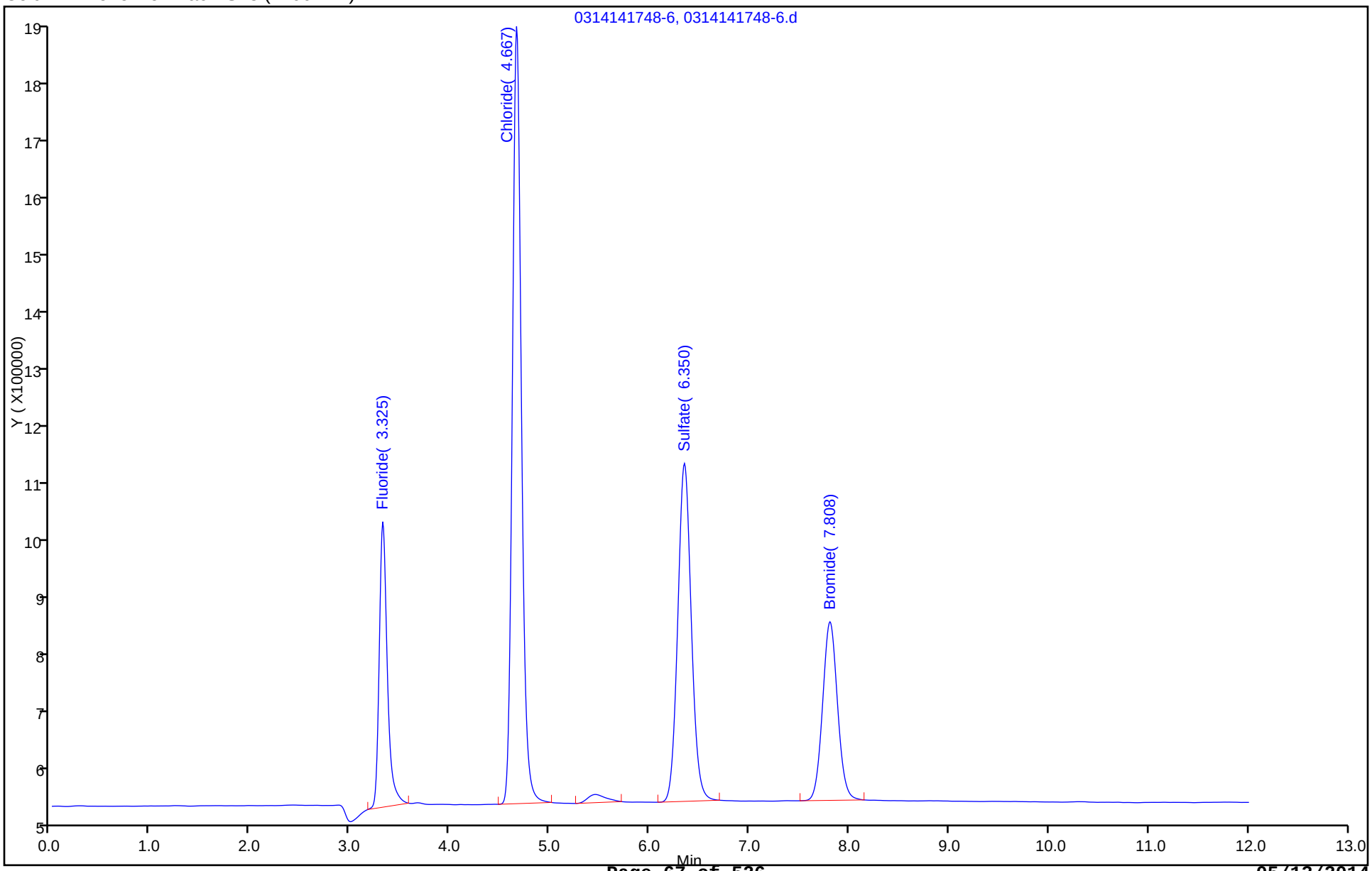
Lims ID: IC Worklist Smp#: 1

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:

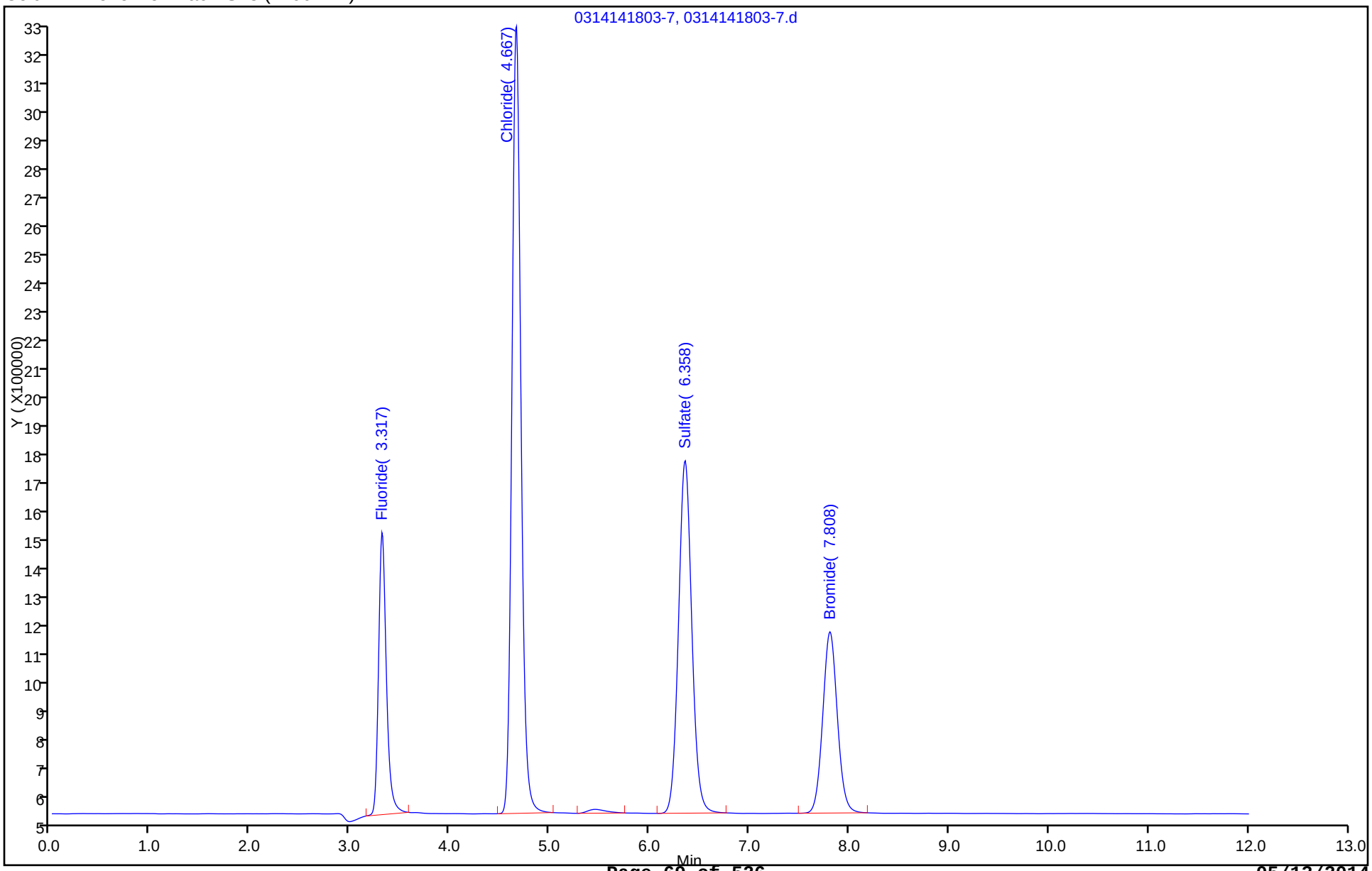
Lims ID: IC Worklist Smp#: 2

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:

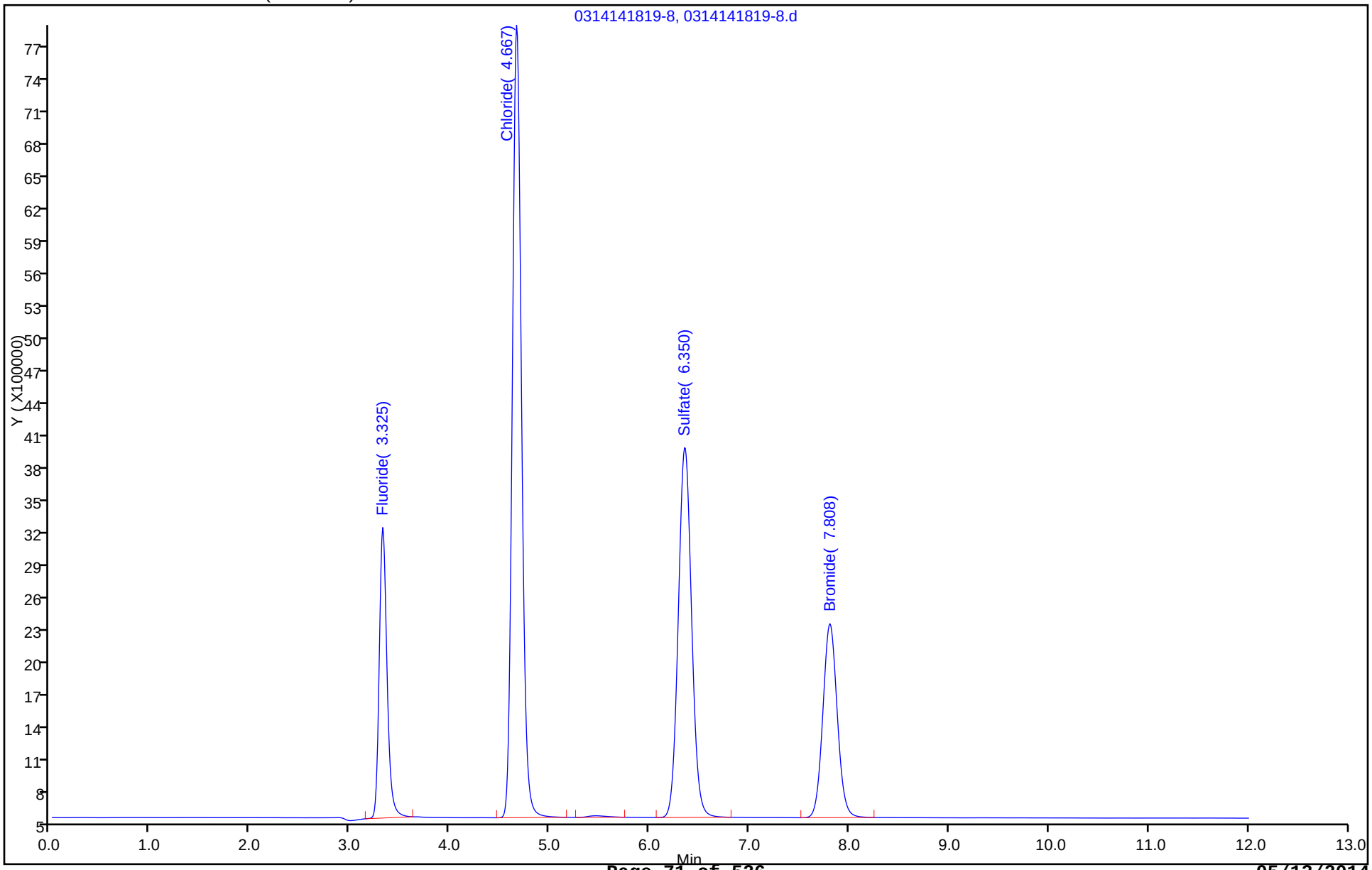
Lims ID: IC Worklist Smp#: 3

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:

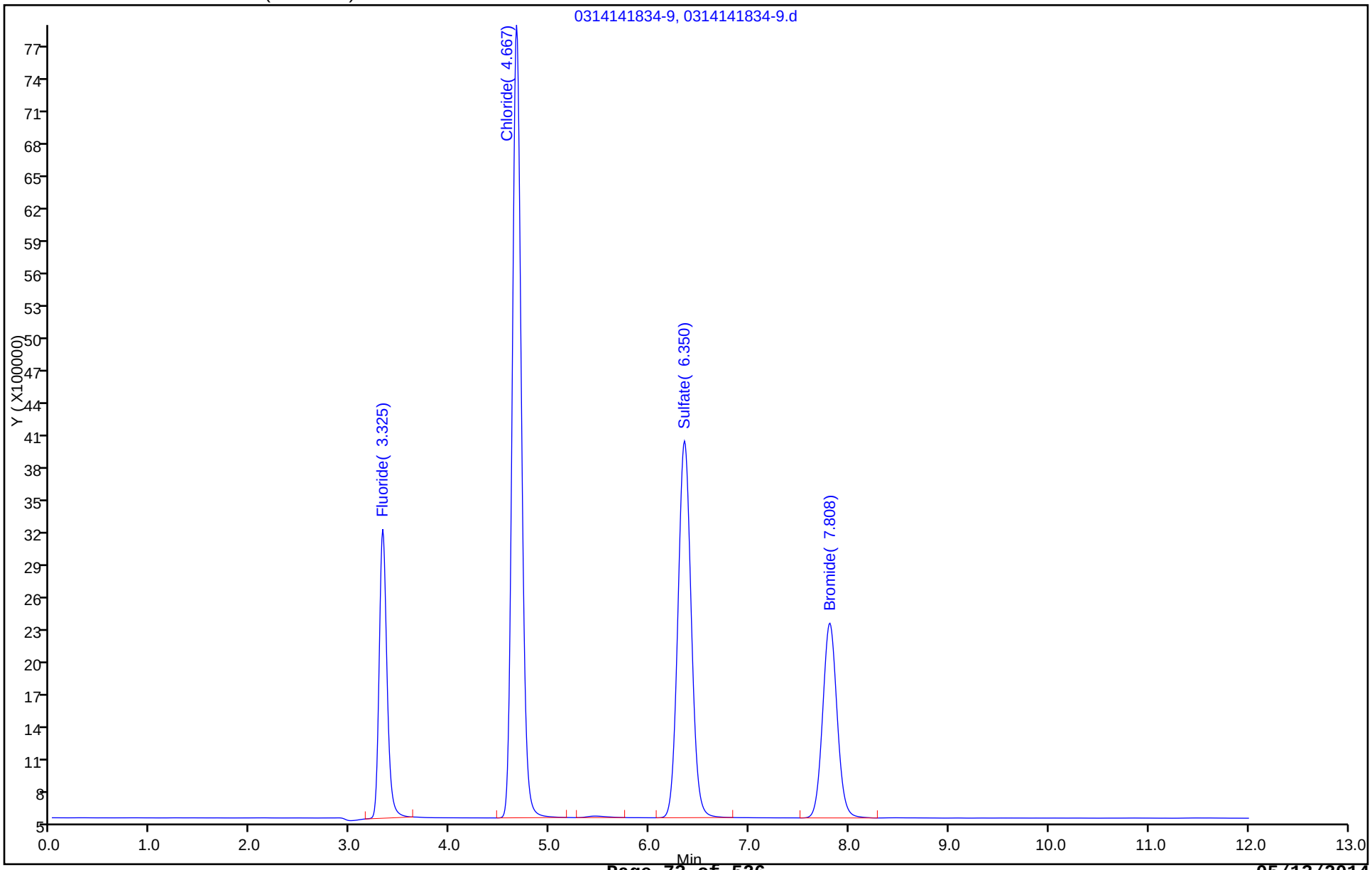
Lims ID: IC Worklist Smp#: 4

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:

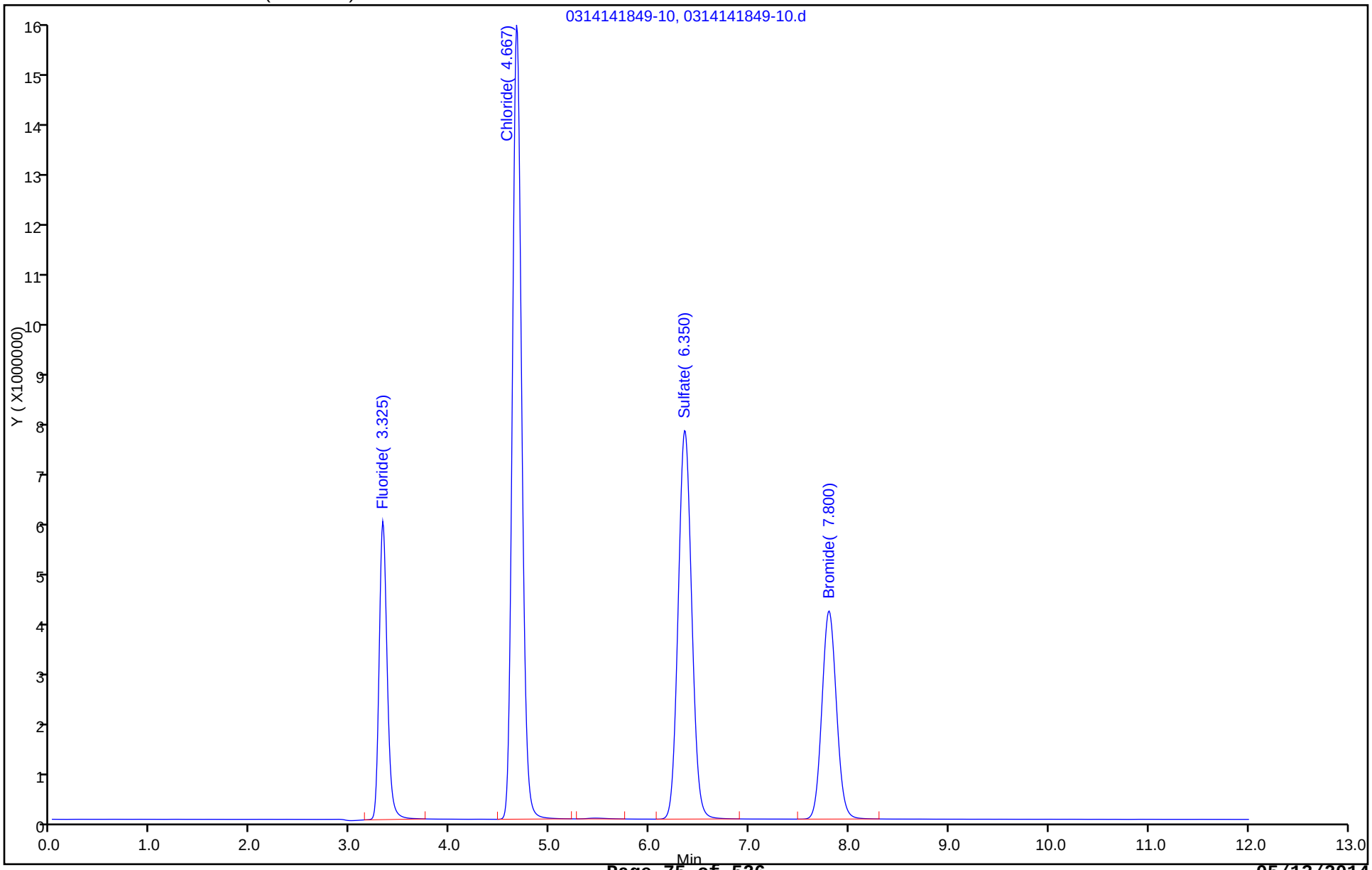
Lims ID: IC Worklist Smp#: 5

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:

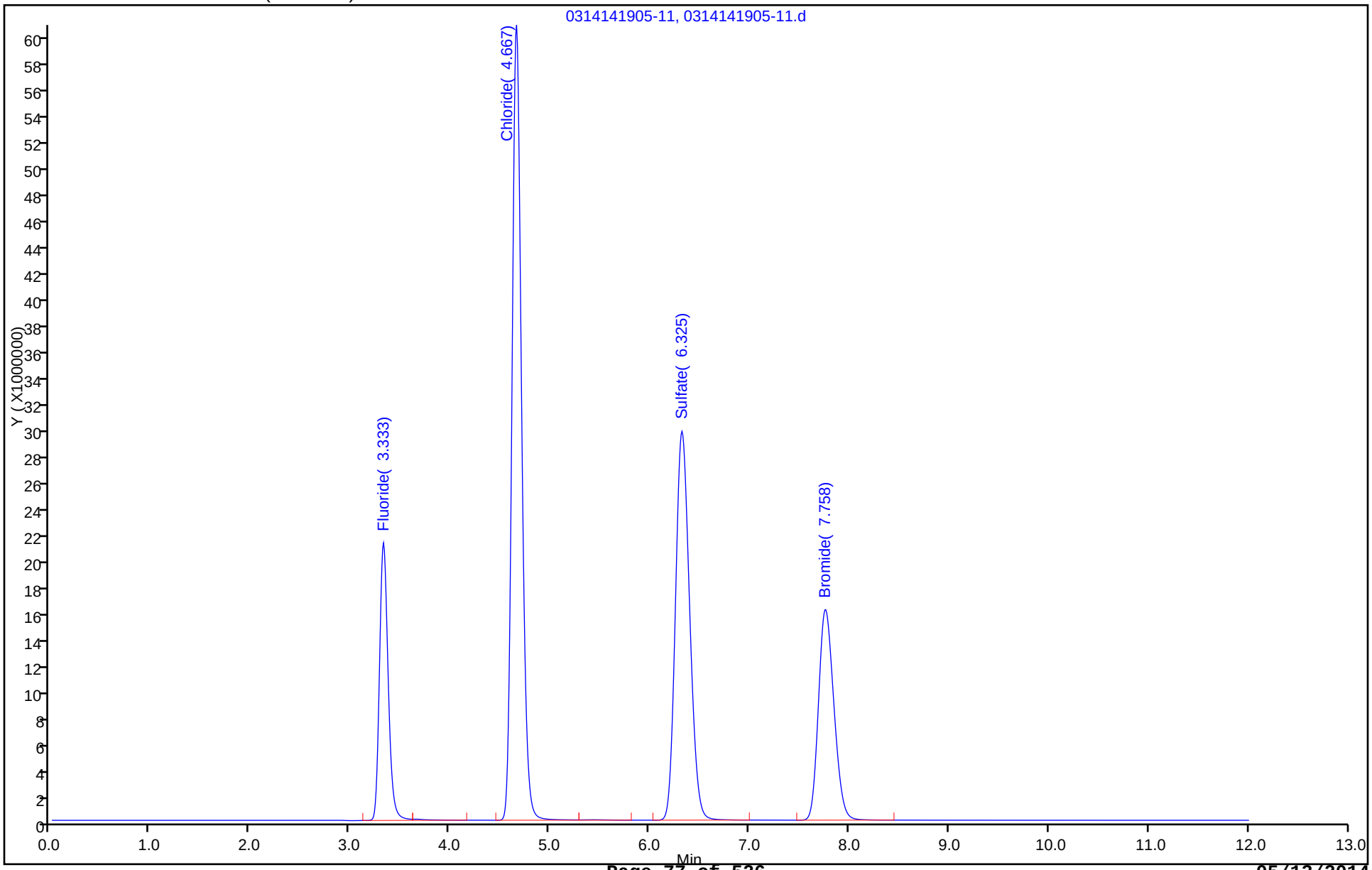
Lims ID: IC Worklist Smp#: 6

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:

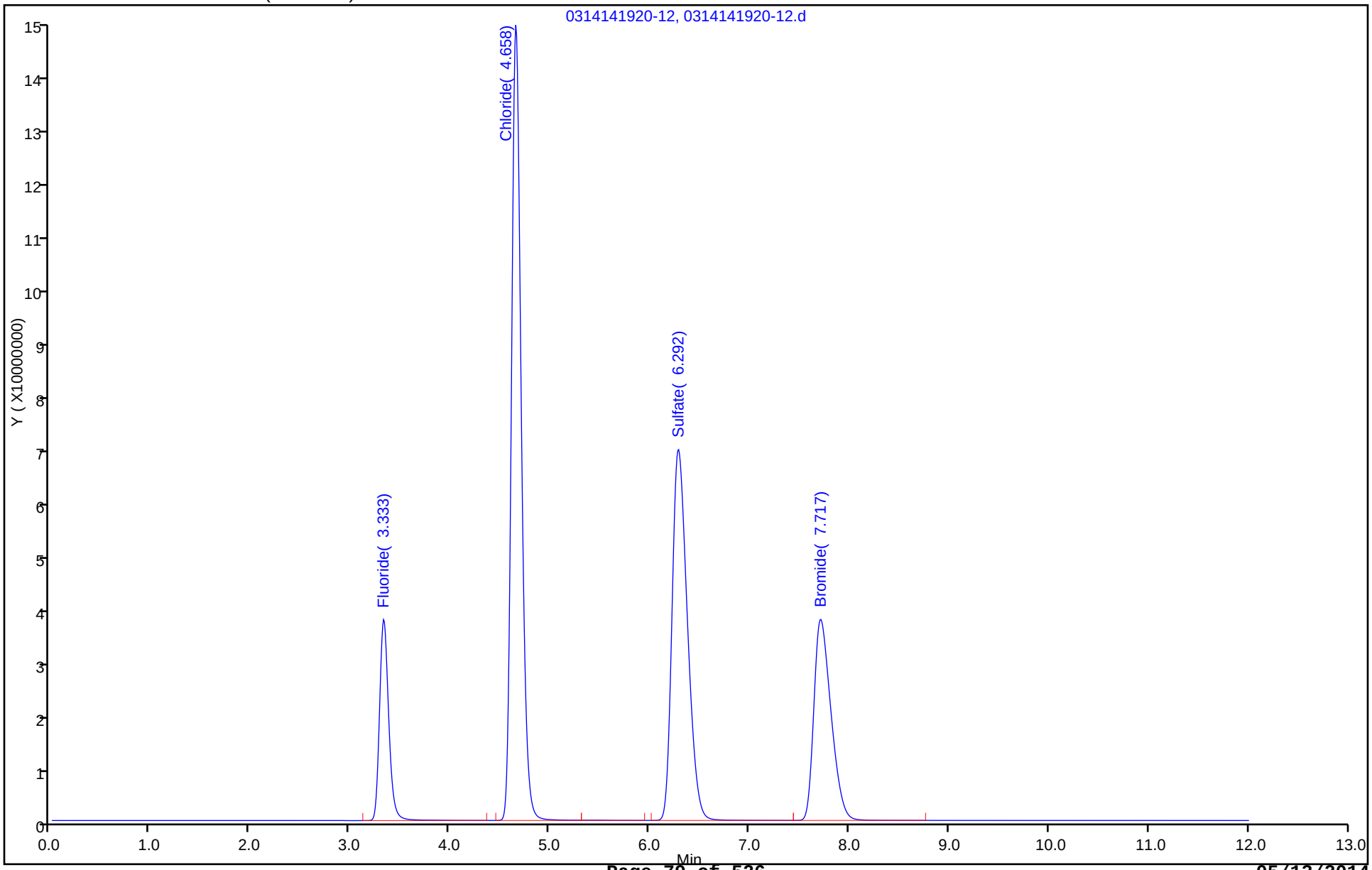
Lims ID: IC Worklist Smp#: 7

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.: 680-99111-1 Analy Batch No.: 319850

SDG No.: 68099111-1

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.: 680-99111-1 Analy Batch No.: 319850

SDG No.: 68099111-1

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.: 680-99111-1 Analy Batch No.: 319850

SDG No.: 68099111-1

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:

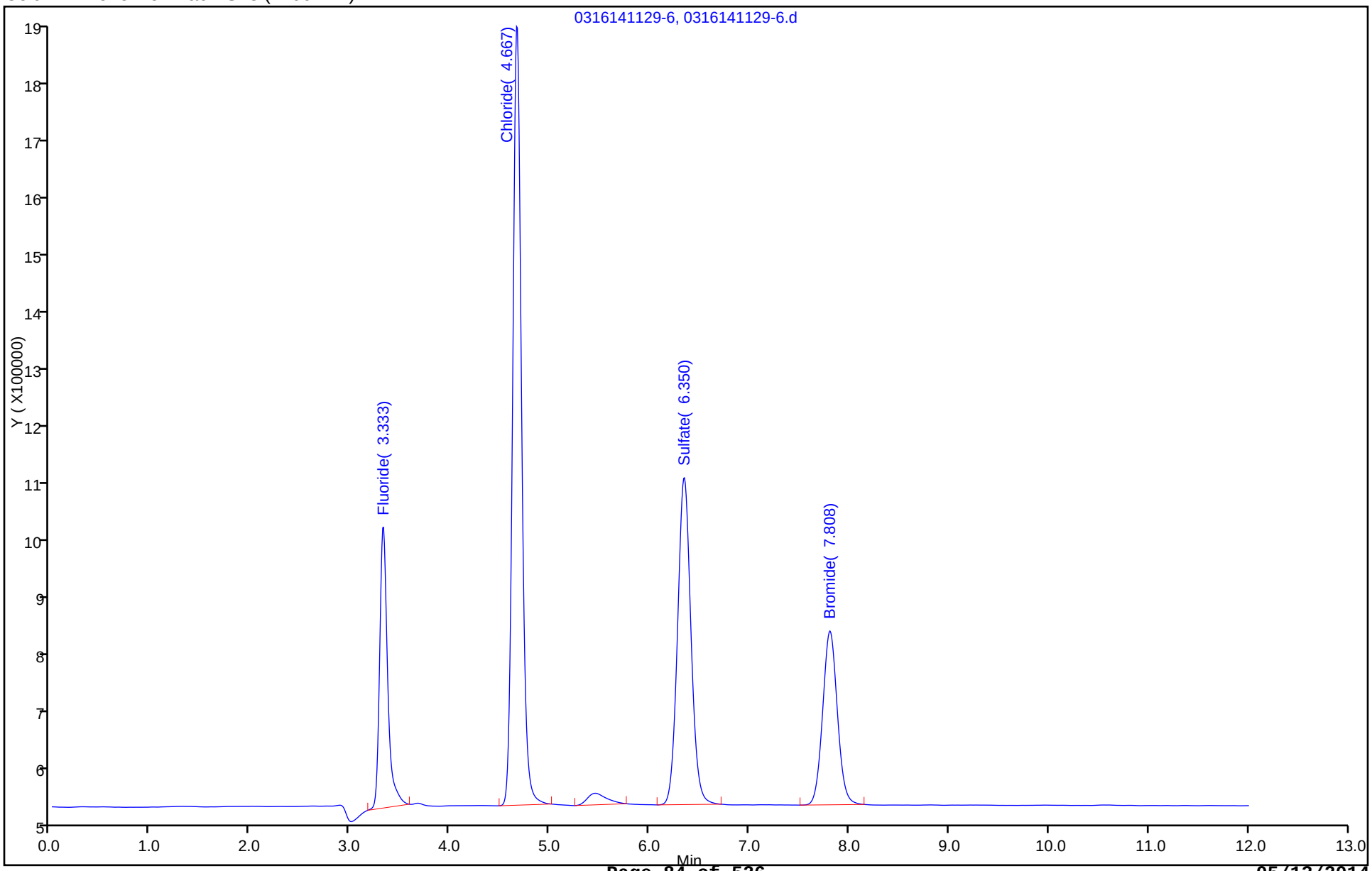
Lims ID: IC Worklist Smp#: 1

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:

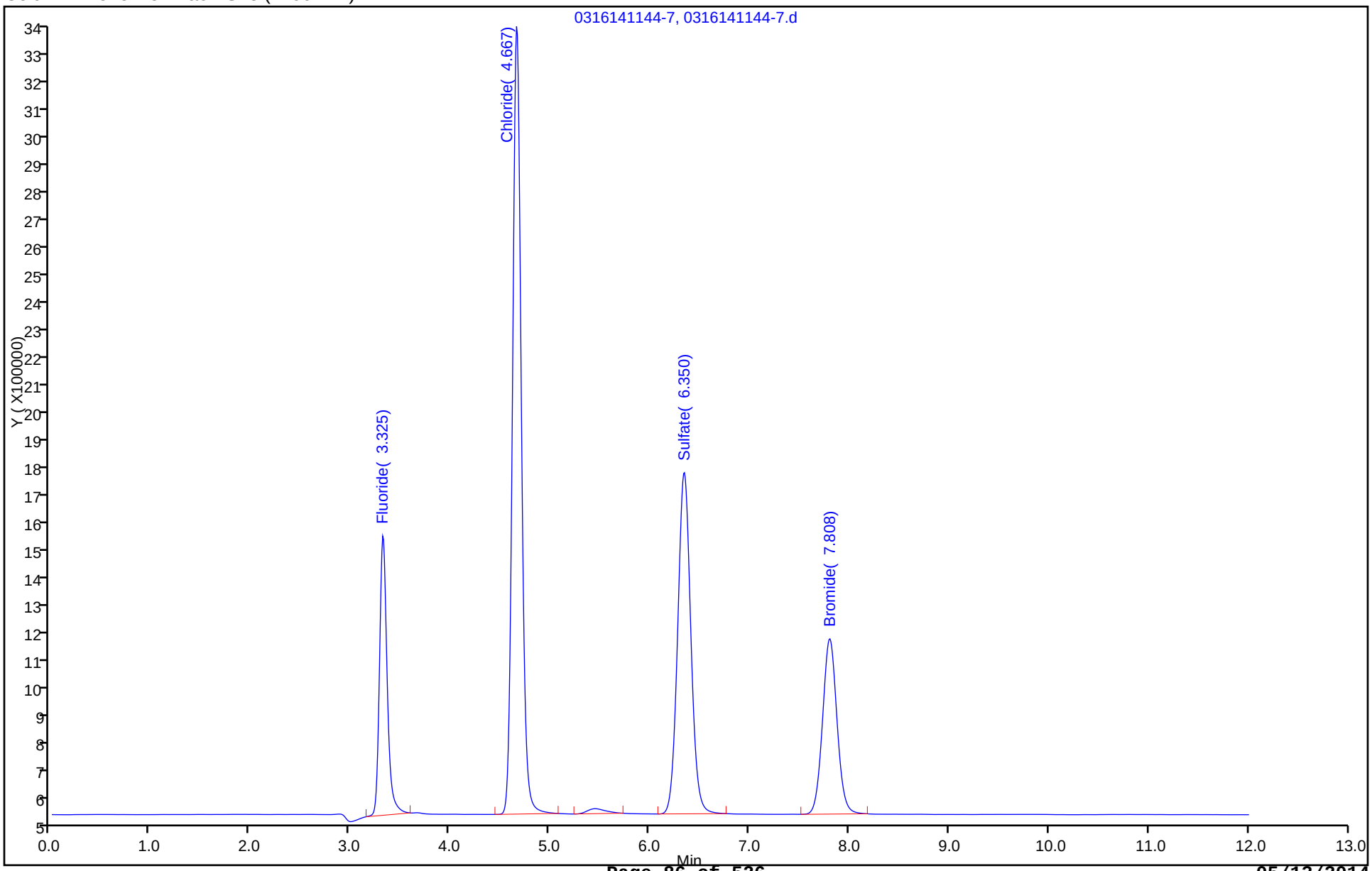
Lims ID: IC Worklist Smp#: 2

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:

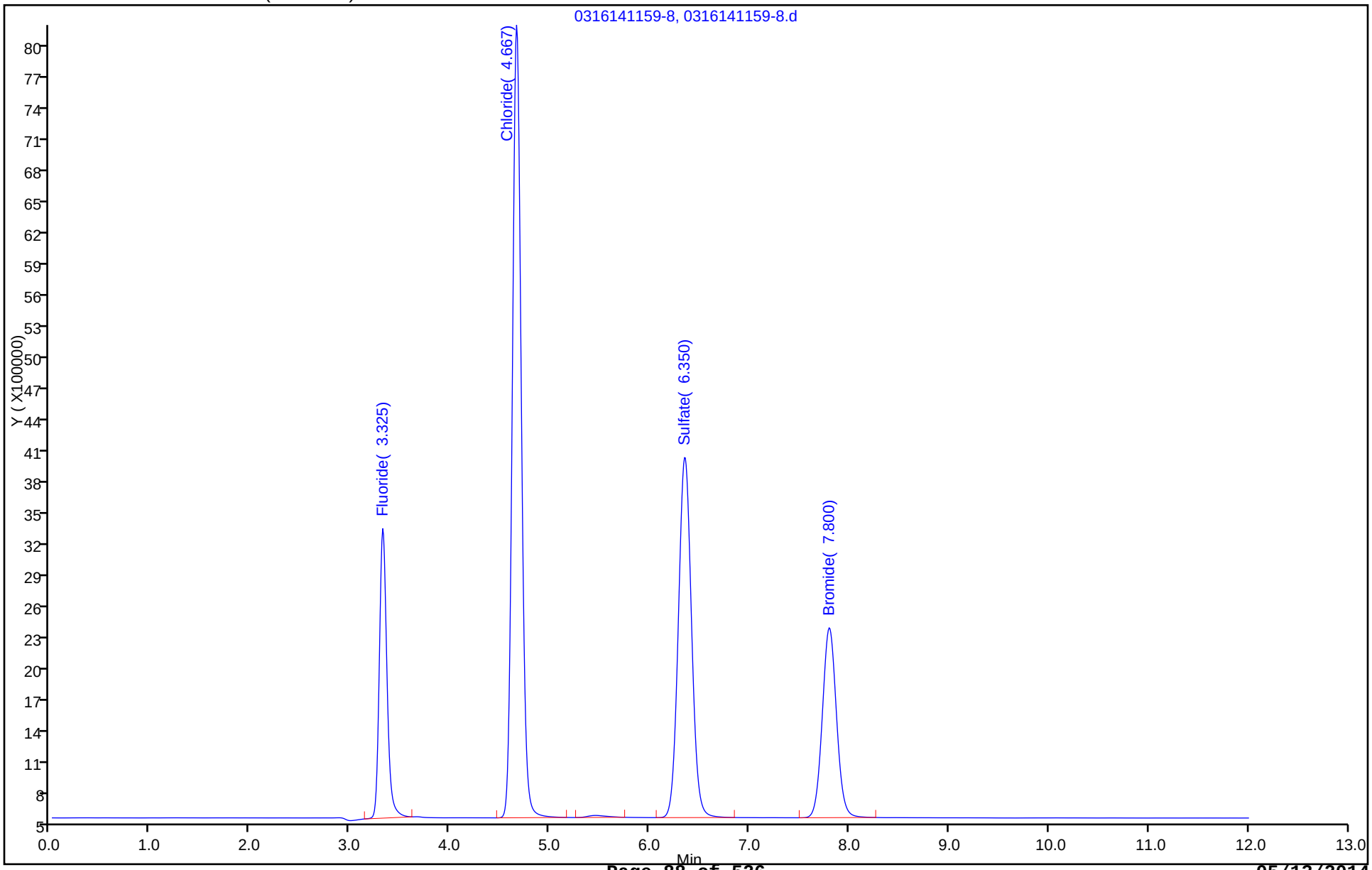
Lims ID: IC Worklist Smp#: 3

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:

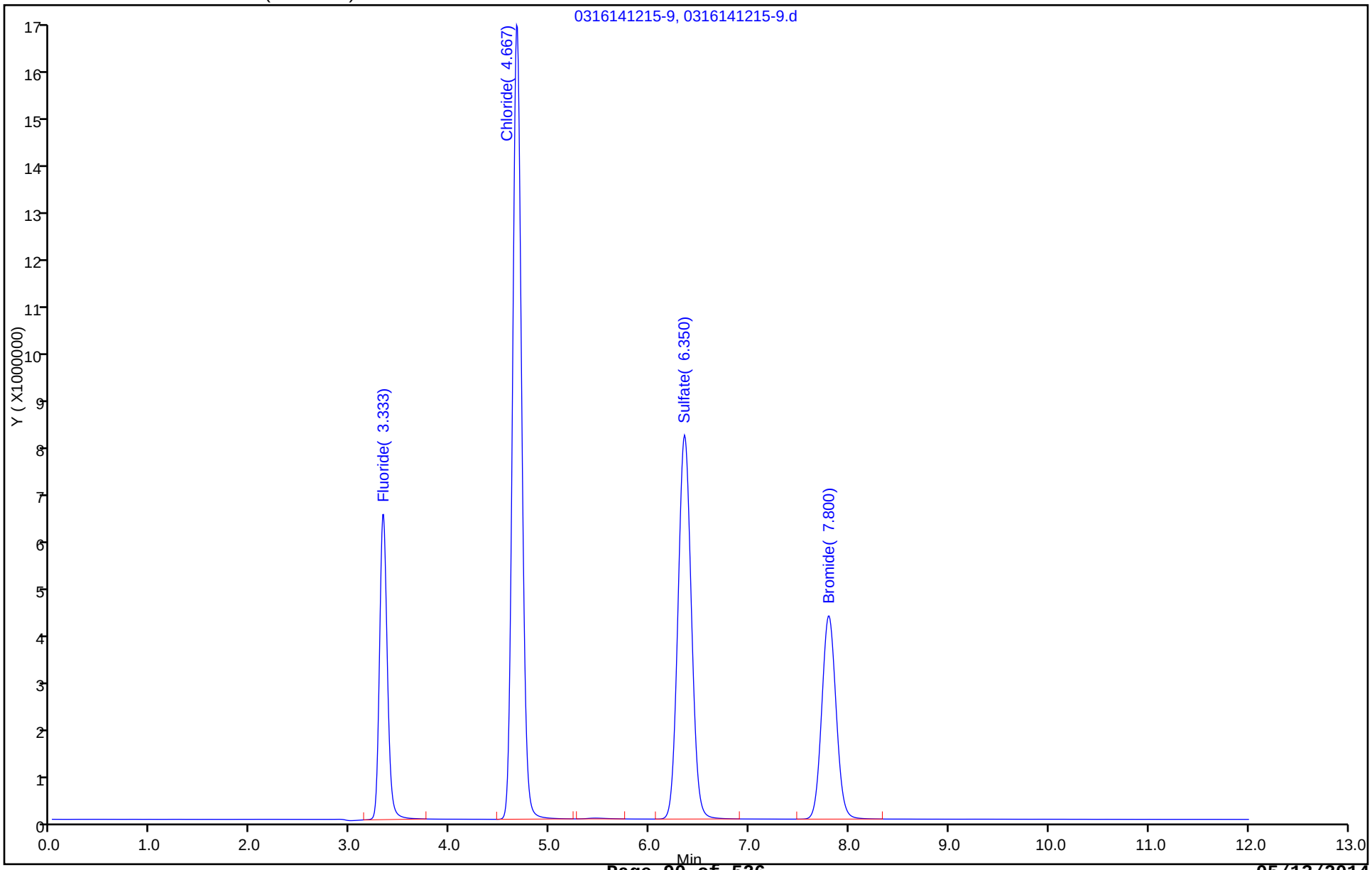
Lims ID: IC Worklist Smp#: 4

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:

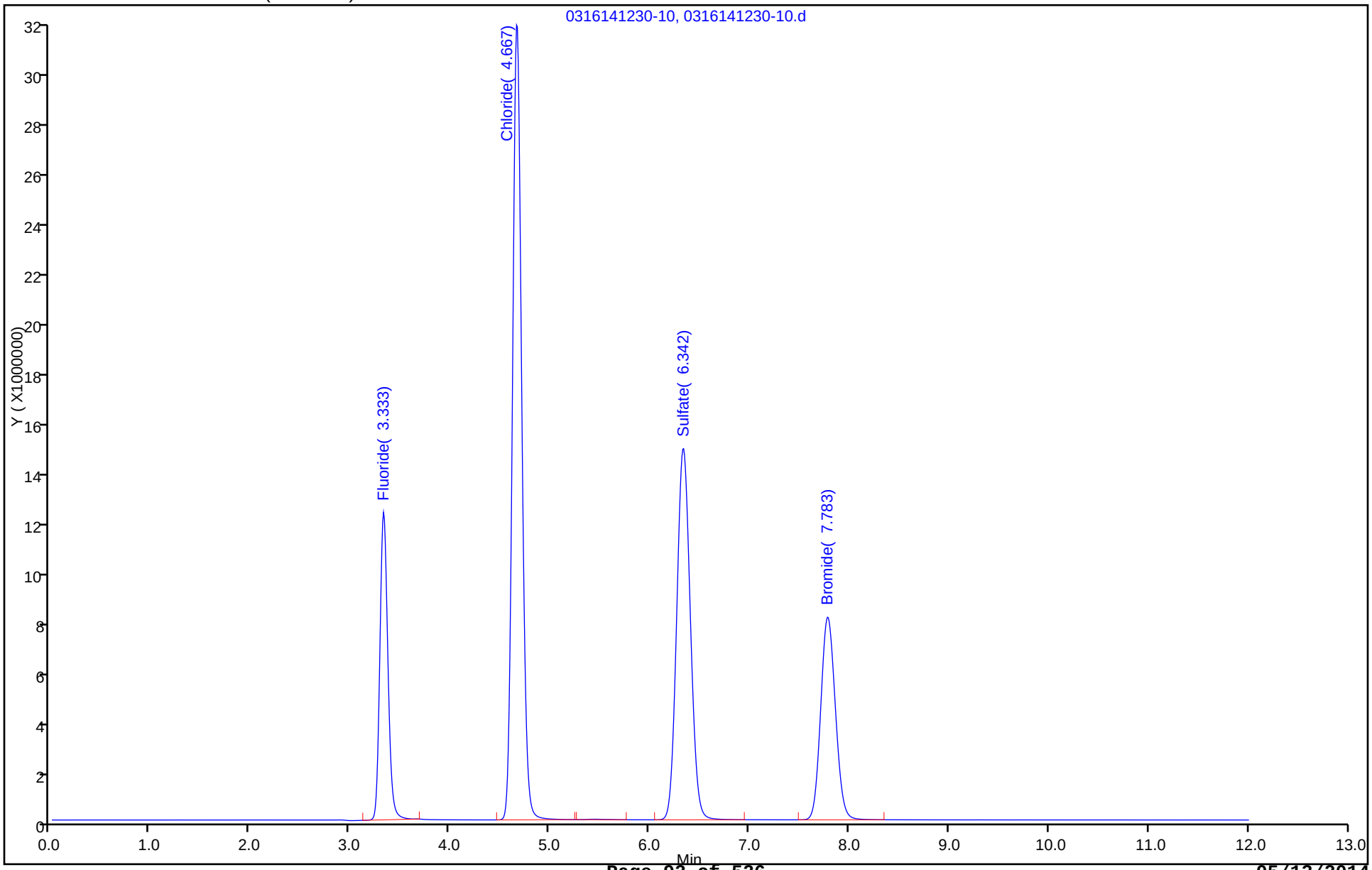
Lims ID: IC Worklist Smp#: 5

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:

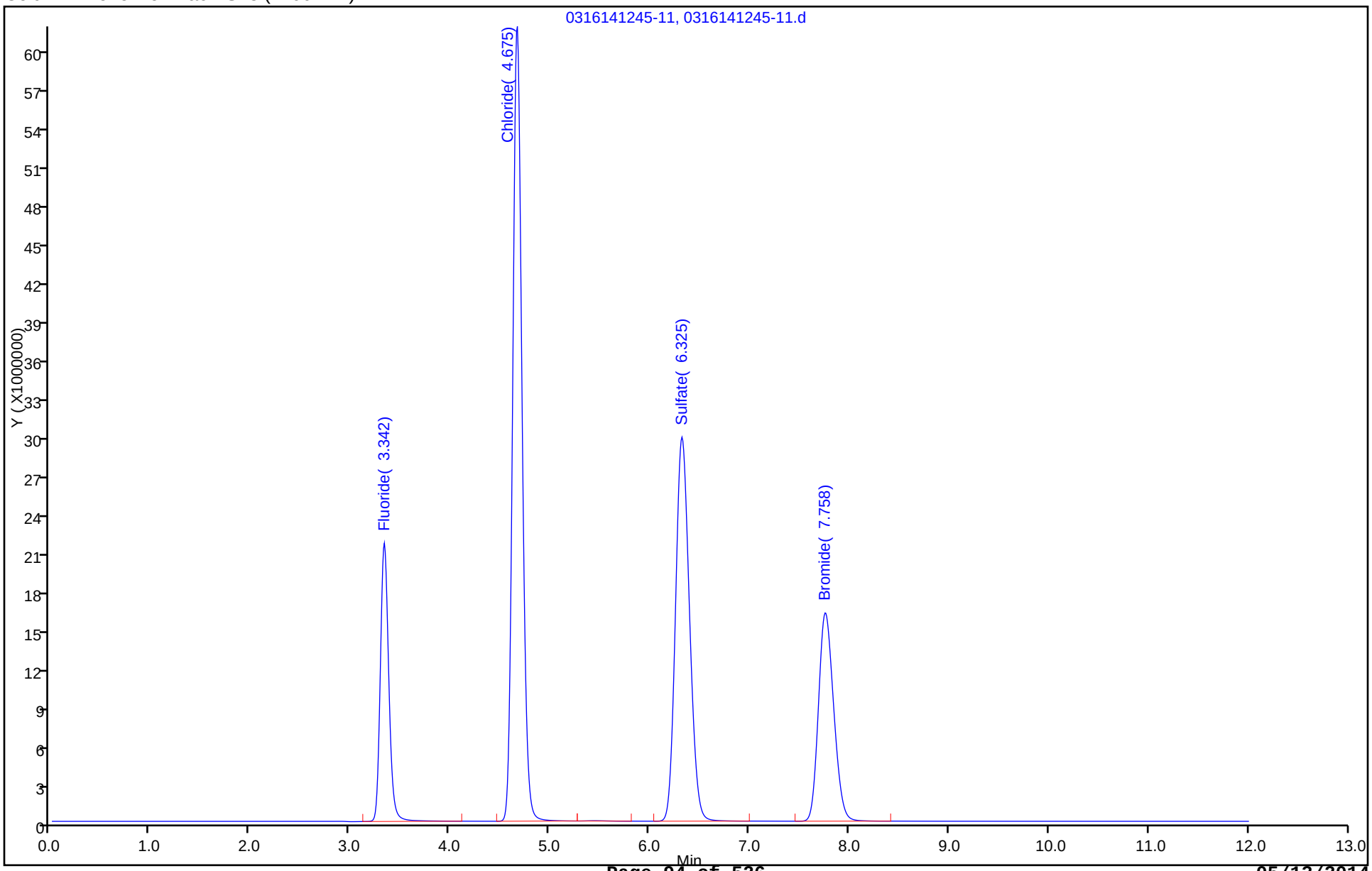
Lims ID: IC Worklist Smp#: 6

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:

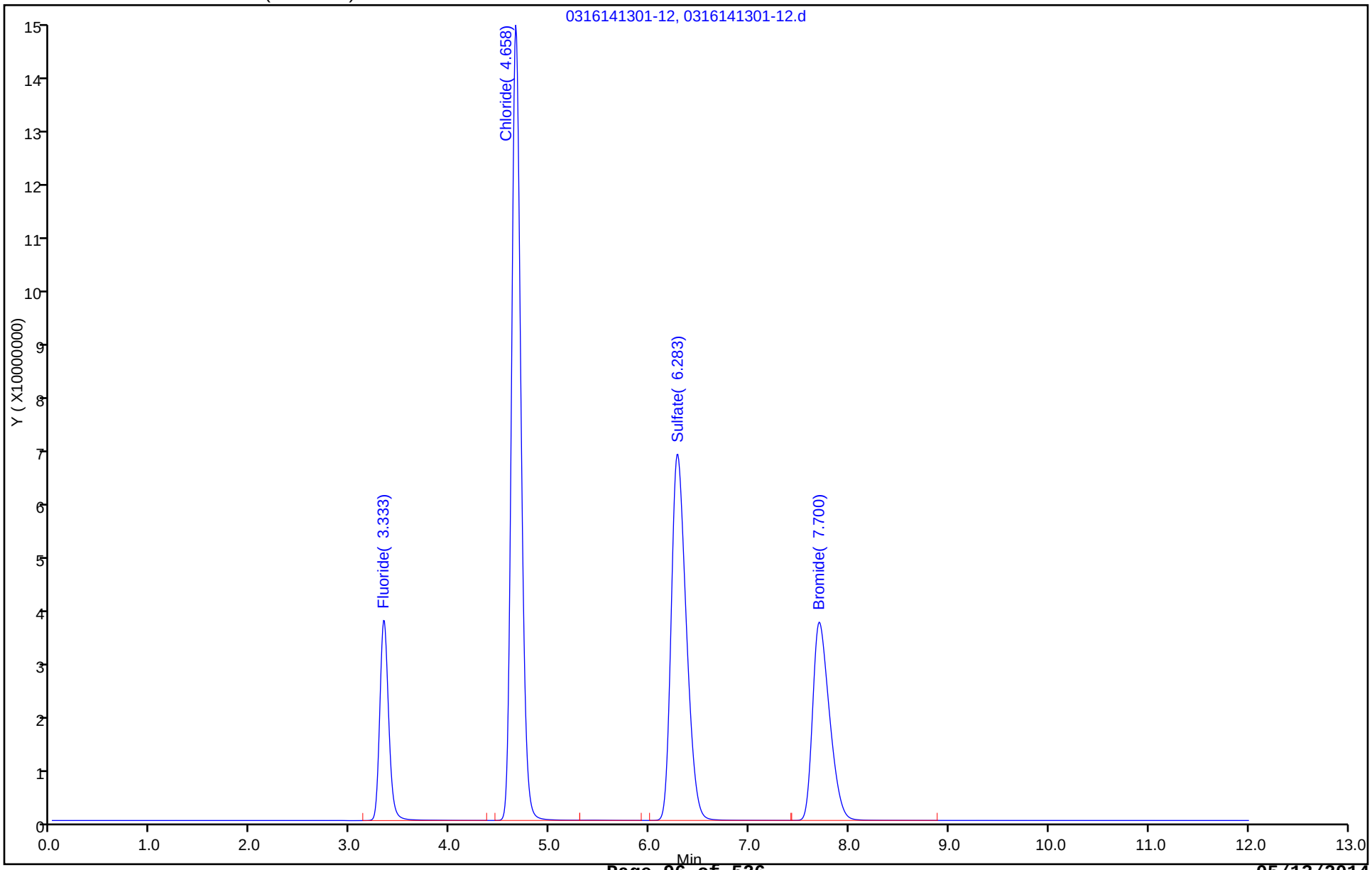
Lims ID: IC Worklist Smp#: 7

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 VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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:

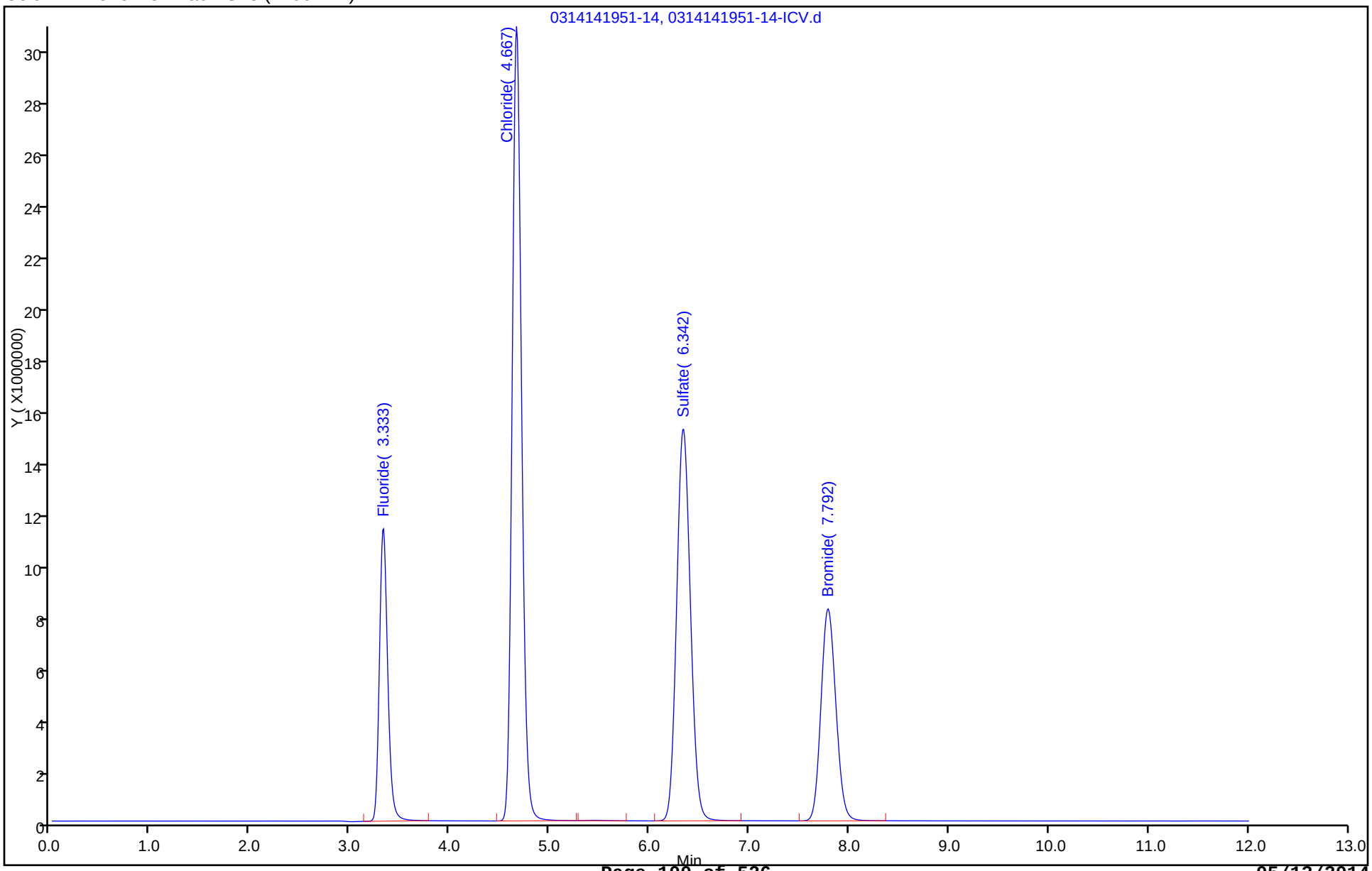
Lims ID: ICV Worklist Smp#: 1009

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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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:

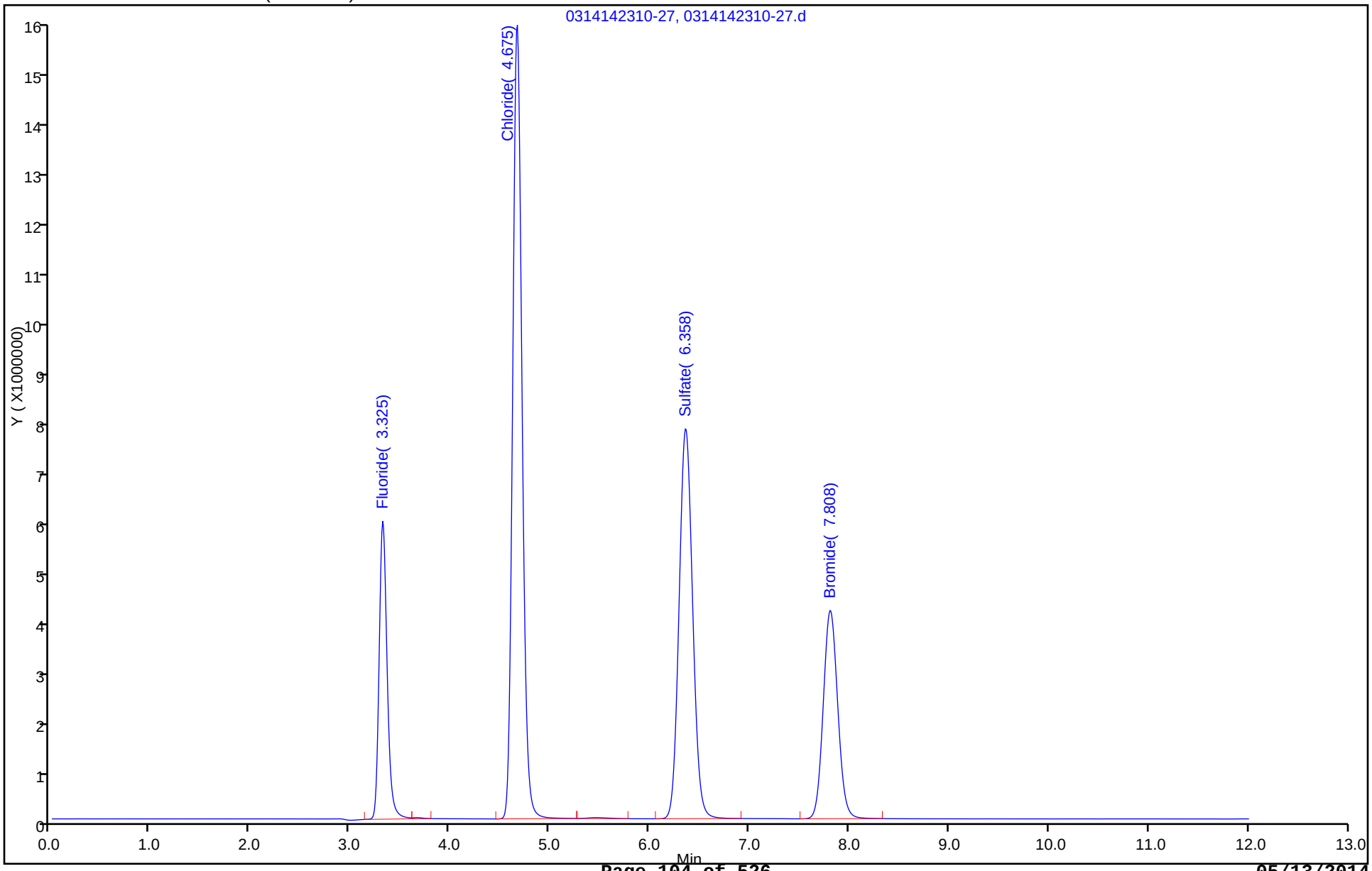
Lims ID: CCV Worklist Smp#: 22

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.: 680-99111-1

SDG No.: 68099111-1

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 RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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

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:

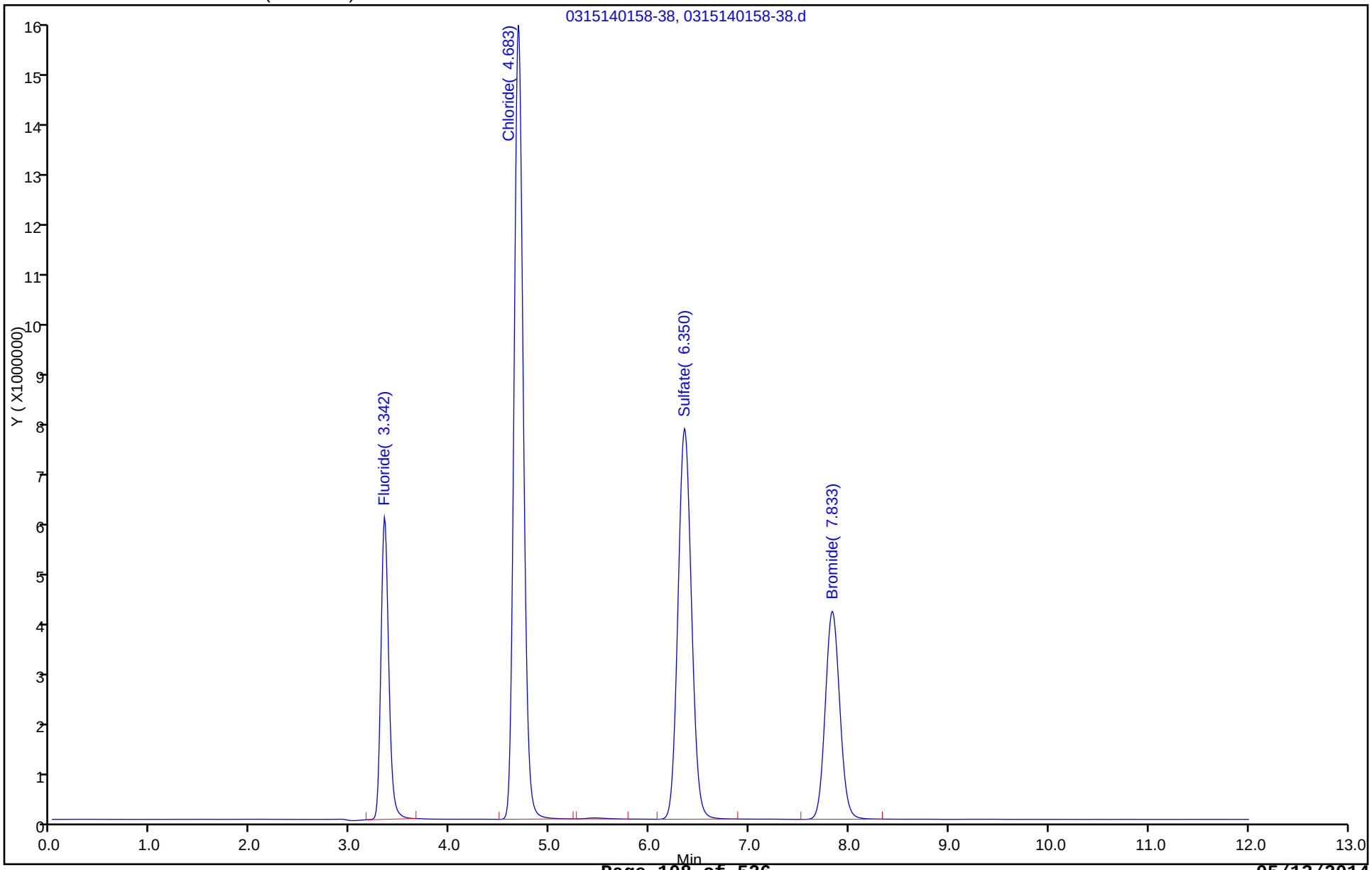
Lims ID: CCV Worklist Smp#: 33

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)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Lab Sample ID: CCV 680-319850/20 Calibration Date: 03/16/2014 16:20

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: 0316141620-25.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		33322516		2.18	2.00	9.2	10.0
Chloride	Lin1		19882739		10.1	10.0	1.3	10.0
Sulfate	Lin2		13725448		9.86	10.0	-1.4	10.0
Bromide	Lin1		8036057		9.74	10.0	-2.6	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Lab Sample ID: CCV 680-319850/20 Calibration Date: 03/16/2014 16:20

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: 0316141620-25.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.33	3.08	3.58
Chloride	4.67	4.42	4.92
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\20140317-7200.b\0316141620-25.d				
Lims ID:	CCV				
Client ID:					
Sample Type:	CCV				
Inject. Date:	16-Mar-2014 16:20:00	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	IC_ANION-5 2K031414 1K082812A				
Misc. Info.:	25				
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 13:01:20	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 11:50:06		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.333	0.0	66645031	2.18	
2 Chloride	4.667	4.667	0.0	198827390	10.1	
3 Sulfate	6.350	6.350	0.0	137254480	9.86	
4 Bromide	7.792	7.792	0.0	80360571	9.74	

Report Date: 17-Mar-2014 13:01:20 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141620-25.d

Injection Date: 16-Mar-2014 16:20:00 Instrument ID: CICK Operator ID:

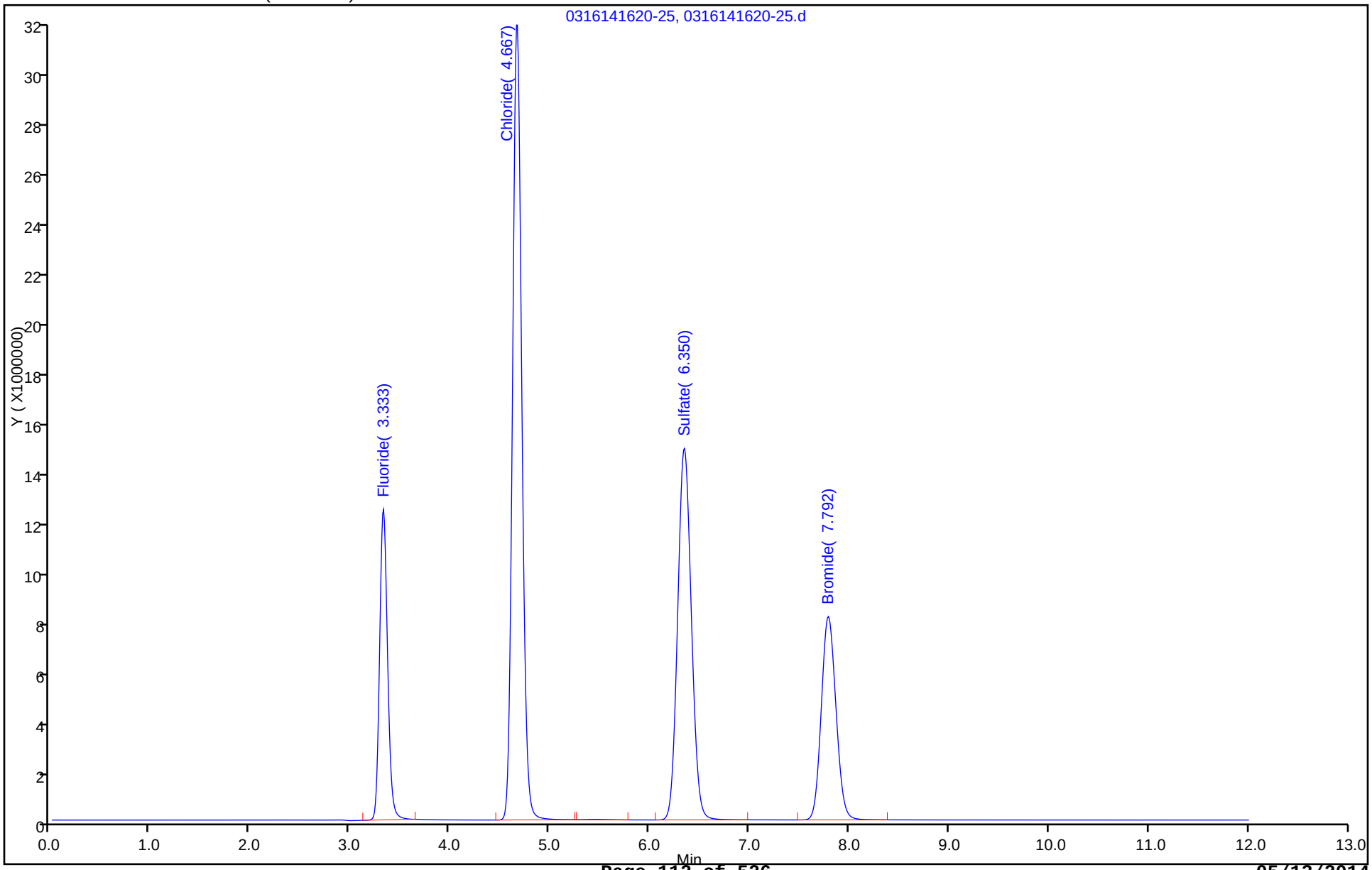
Lims ID: CCV Worklist Smp#: 20

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.: 680-99111-1
SDG No.: 68099111-1
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:

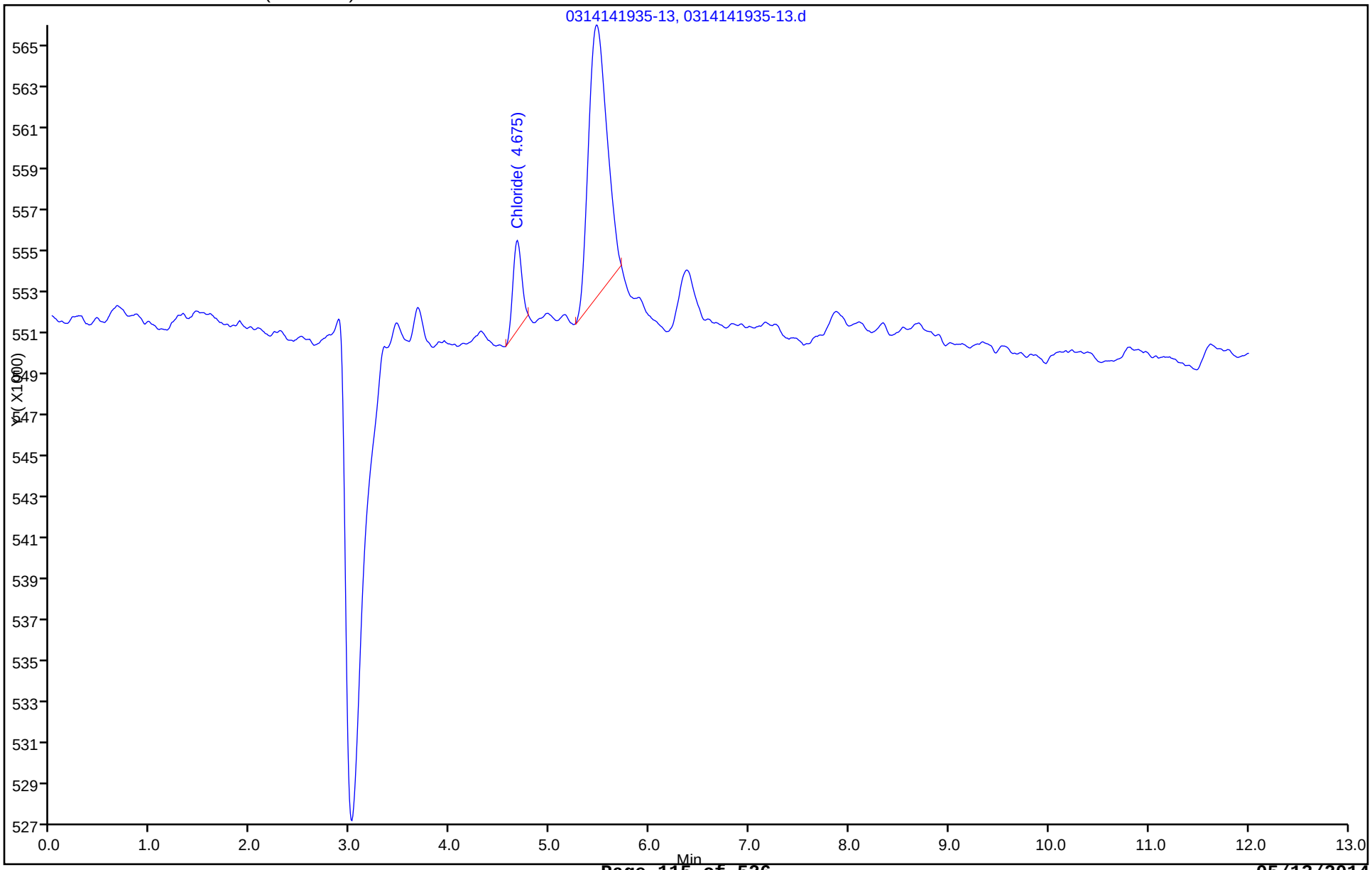
Lims ID: MB Worklist Smp#: 8

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.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID:
Lab Sample ID: MB 680-319850/8
Matrix: Water
Lab File ID: 0316141316-13.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 Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141316-13.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 16-Mar-2014 13:16:00 ALS Bottle#: 0 Worklist Smp#: 8
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 Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141316-13.d

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

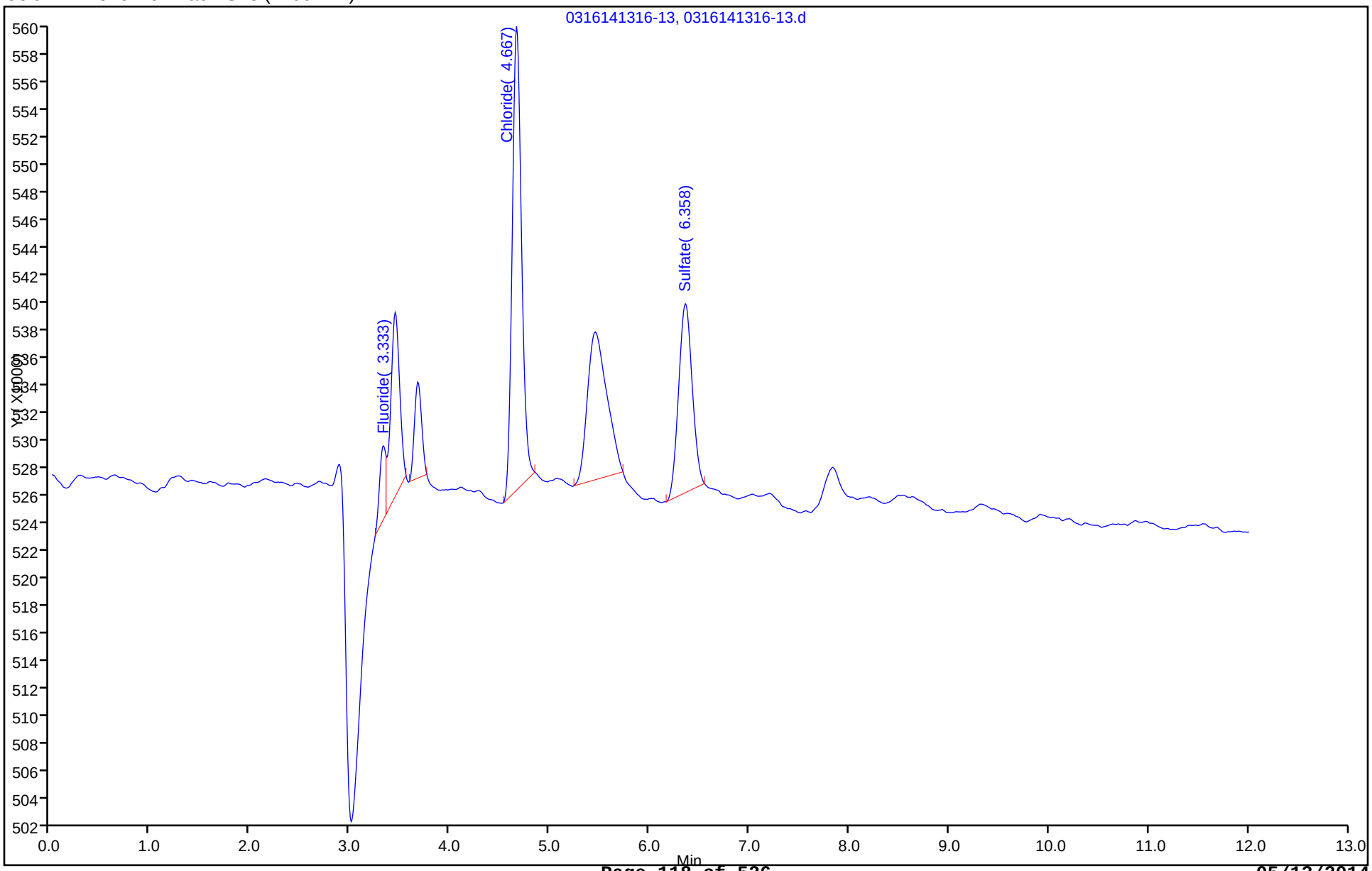
Lims ID: MB Worklist Smp#: 8

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.: 680-99111-1
SDG No.: 68099111-1
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:

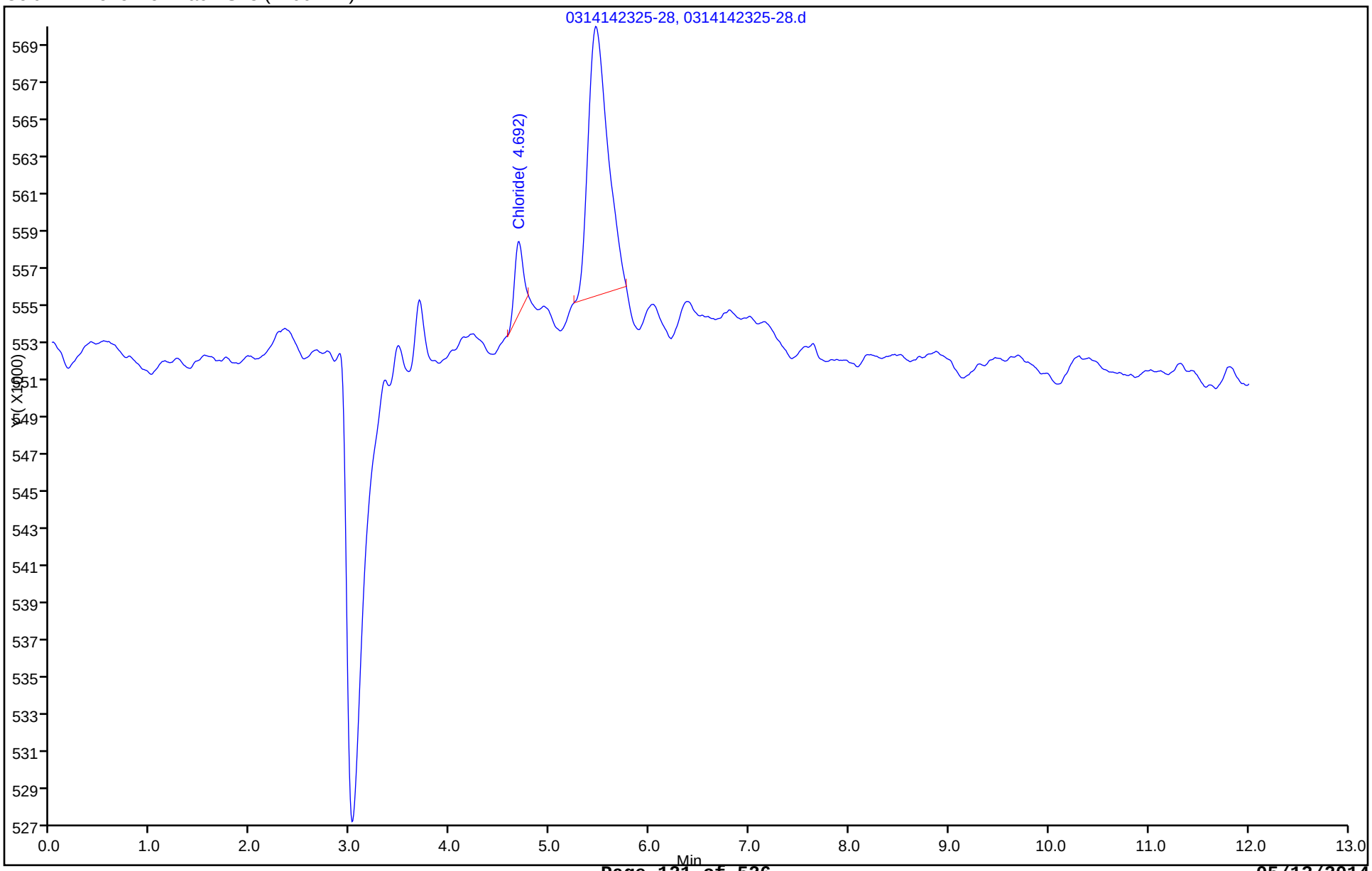
Lims ID: CCB Worklist Smp#: 23

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.: 680-99111-1

SDG No.: 68099111-1

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:

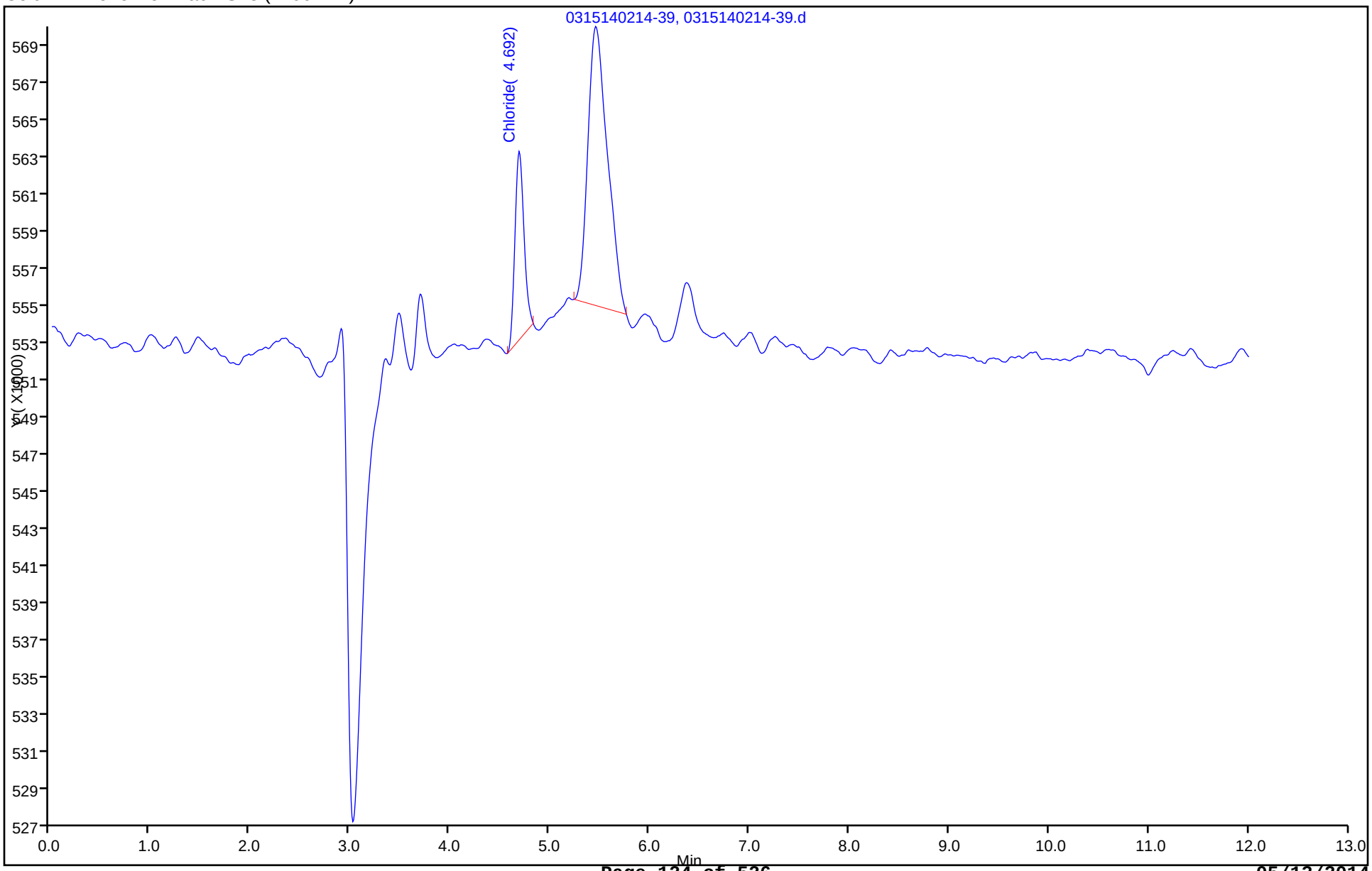
Lims ID: CCB Worklist Smp#: 34

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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: Lab Sample ID: CCB 680-319850/21

Matrix: Water Lab File ID: 0316141635-26.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/16/2014 16:35

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.: 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 Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141635-26.d				
Lims ID:	CCB				
Client ID:					
Sample Type:	CCB				
Inject. Date:	16-Mar-2014 16:35:00	ALS Bottle#:	0	Worklist Smp#:	21
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 2K031414 1K082812A				
Misc. Info.:	26				
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 13:01:20	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 06:05:50		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.458	3.333	0.125	70004	0.0118	
2 Chloride	4.675	4.667	0.008	174113	0.1035	

Report Date: 17-Mar-2014 13:01:21 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141635-26.d

Injection Date: 16-Mar-2014 16:35:00 Instrument ID: CICK Operator ID:

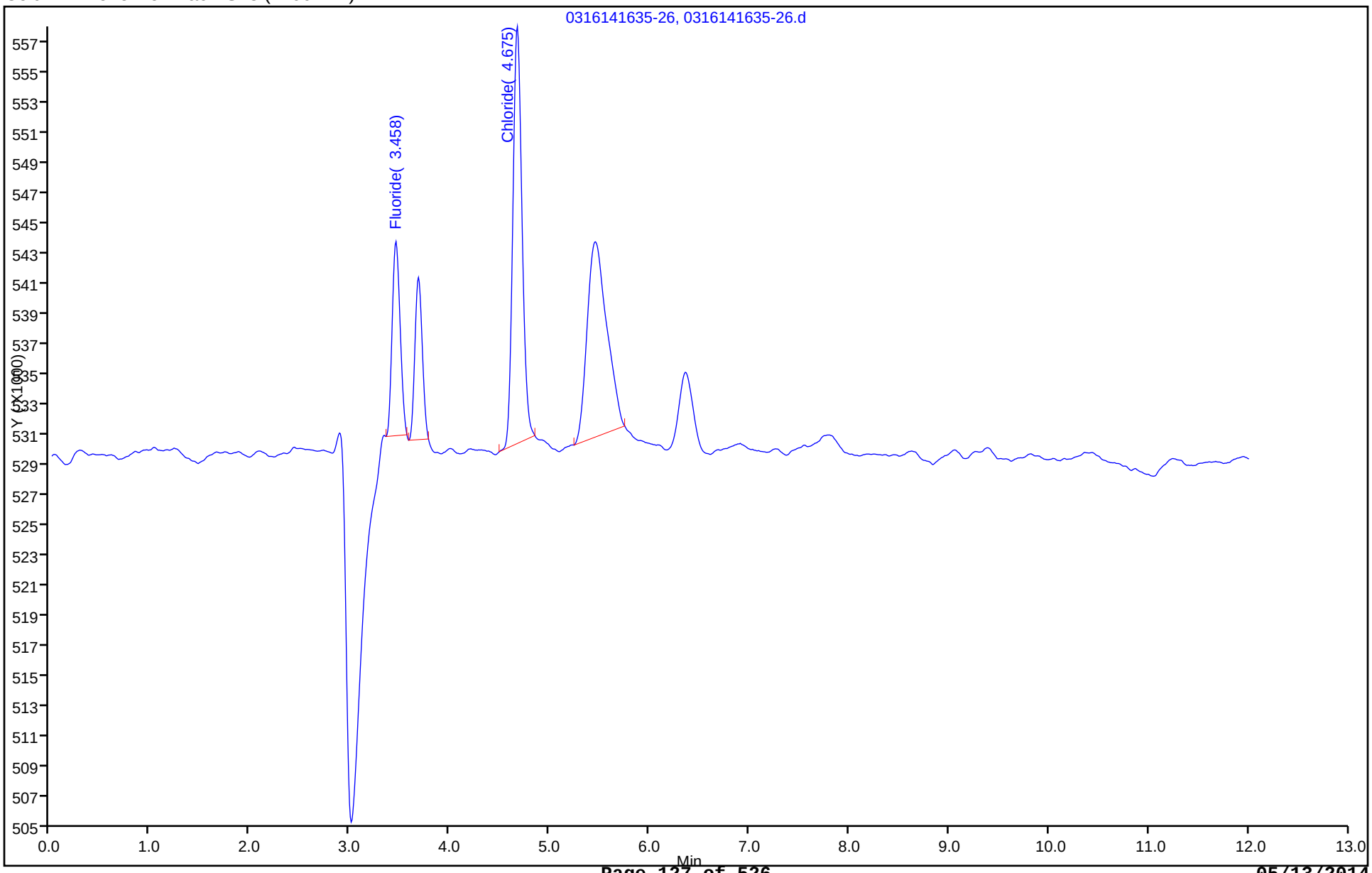
Lims ID: CCB Worklist Smp#: 21

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.: 680-99111-1
SDG No.: 68099111-1
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:

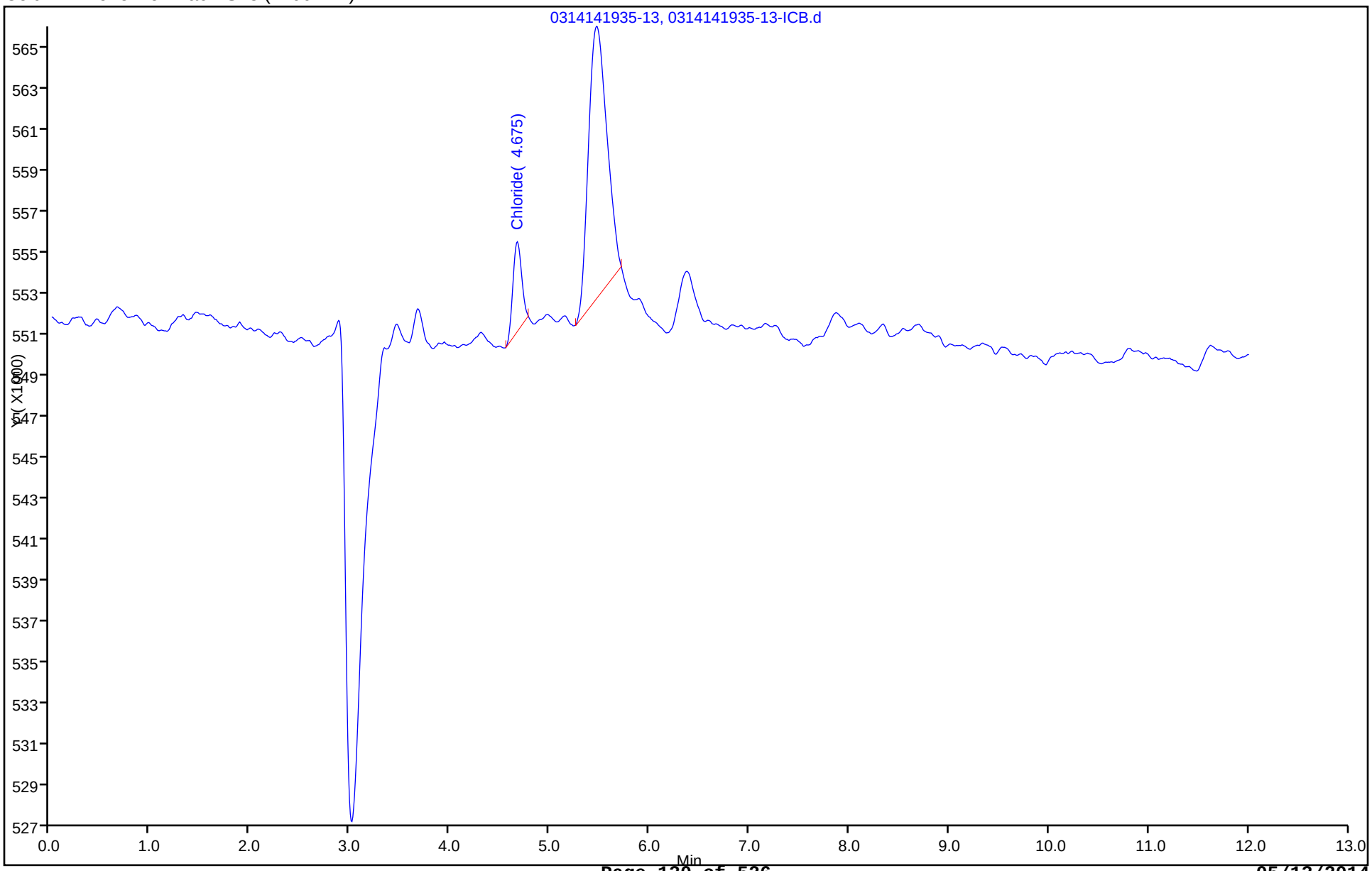
Lims ID: ICB Worklist Smp#: 1008

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.: 680-99111-1
SDG No.: 68099111-1
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:

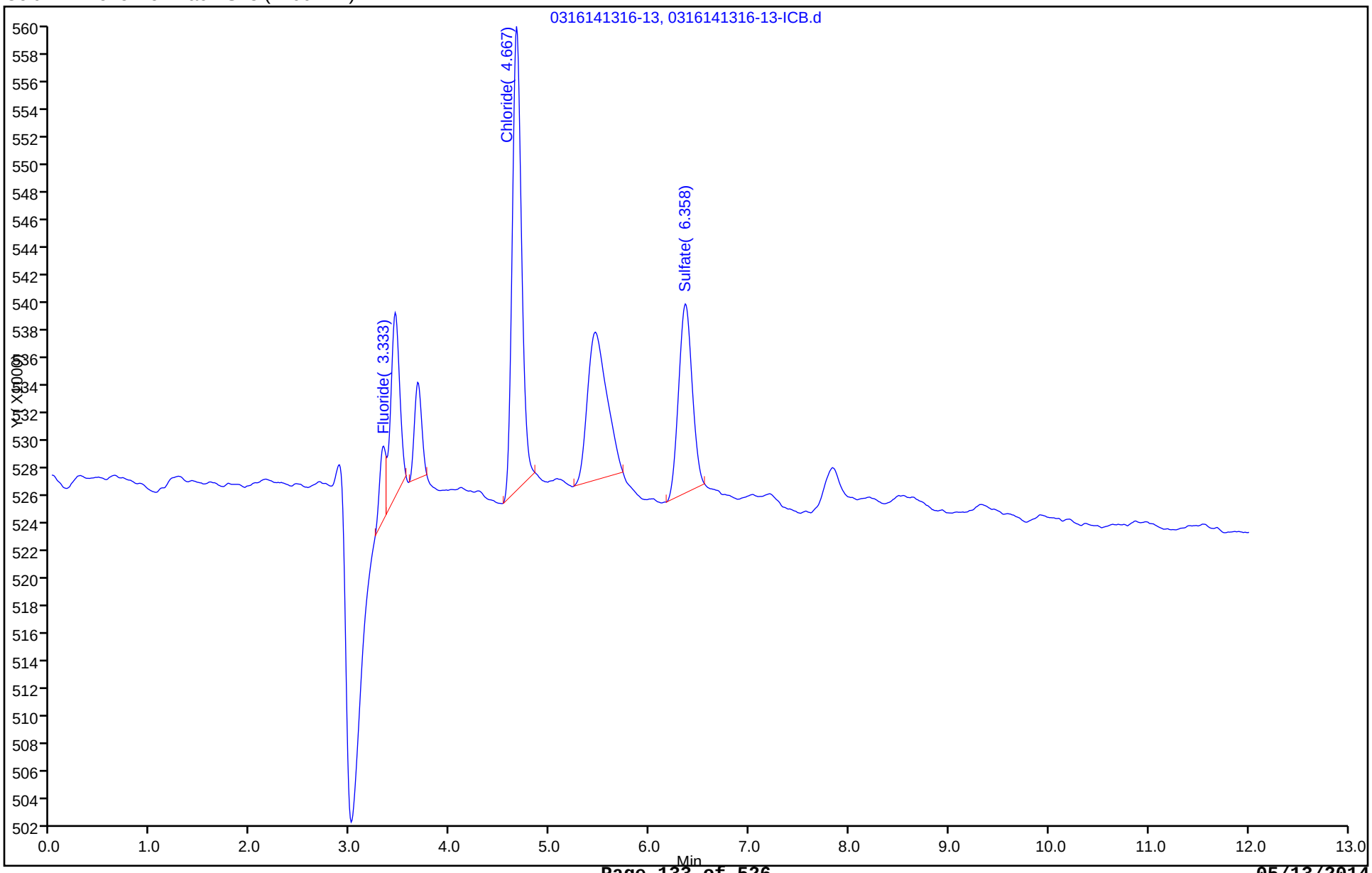
Lims ID: ICB Worklist Smp#: 1008

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.: 680-99111-1
SDG No.: 68099111-1
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:

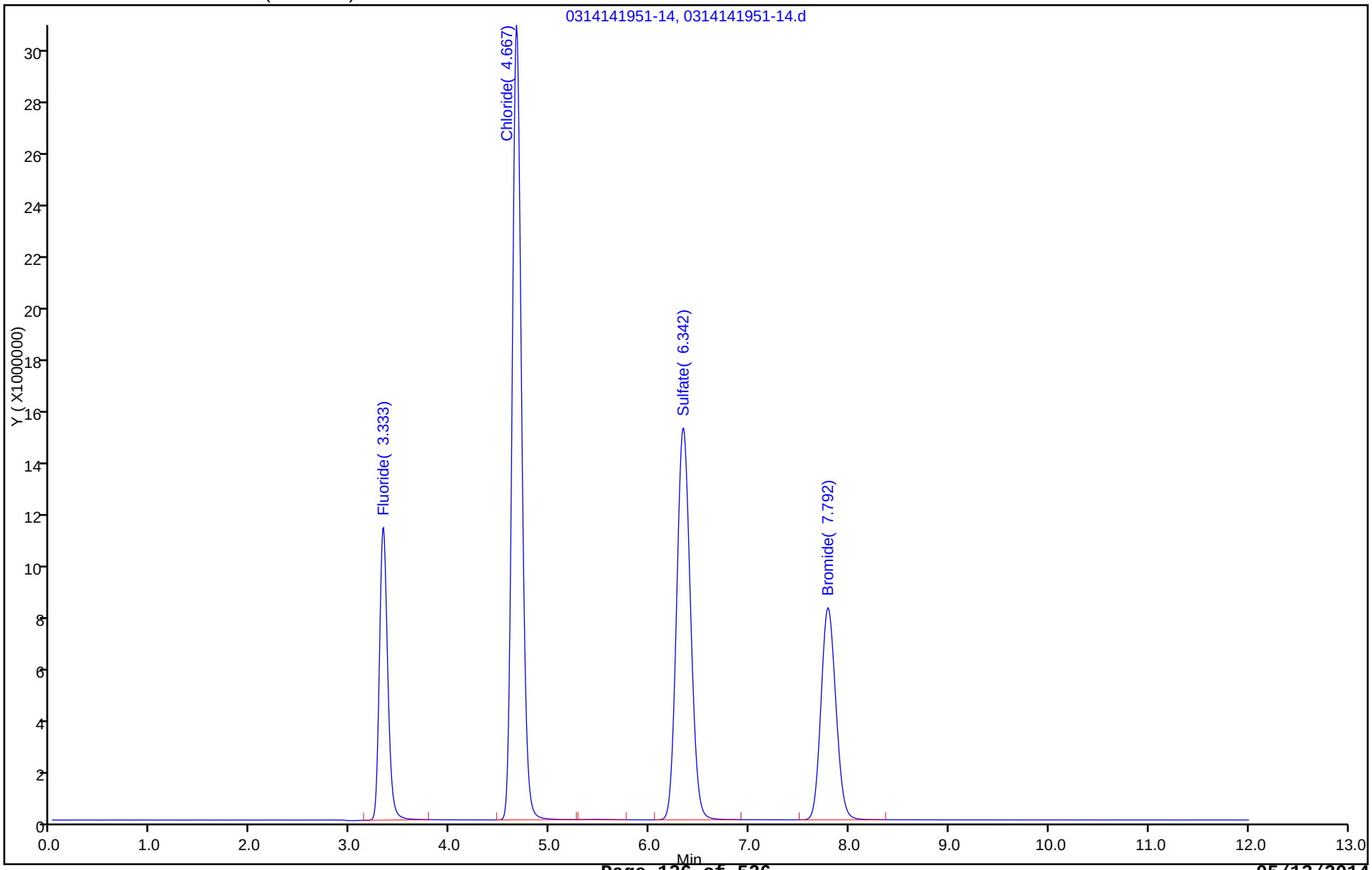
Lims ID: LCS Worklist Smp#: 9

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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: Lab Sample ID: LCS 680-319850/9

Matrix: Water Lab File ID: 0316141331-14.d

Analysis Method: 300.0 Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/16/2014 13:31

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	10.1		0.50	0.25
16984-48-8	Fluoride	2.07		0.10	0.025
16887-00-6	Chloride	9.97		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141331-14.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	16-Mar-2014 13:31:00	ALS Bottle#:	0	Worklist Smp#:	9
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 1K031614 1K082812A				
Misc. Info.:	14				
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 09:14:26		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.333	0.0	63314466	2.07	
2 Chloride	4.667	4.667	0.0	195726149	9.97	
3 Sulfate	6.350	6.350	0.0	141219275	10.1	
4 Bromide	7.792	7.800	-0.008	82416353	9.98	

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

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141331-14.d

Injection Date: 16-Mar-2014 13:31:00 Instrument ID: CICK Operator ID:

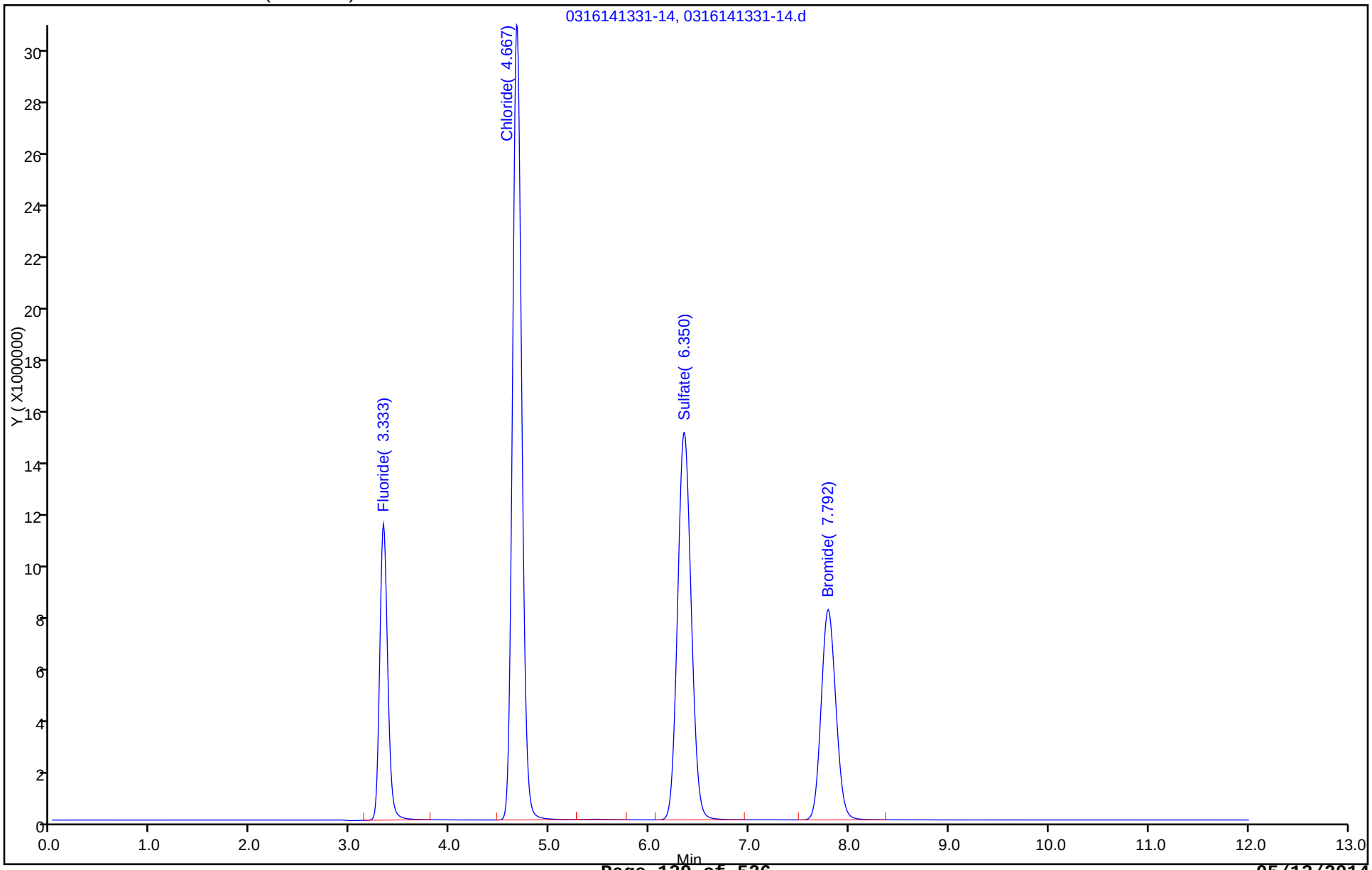
Lims ID: LCS Worklist Smp#: 9

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.: 680-99111-1
SDG No.: 68099111-1
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:

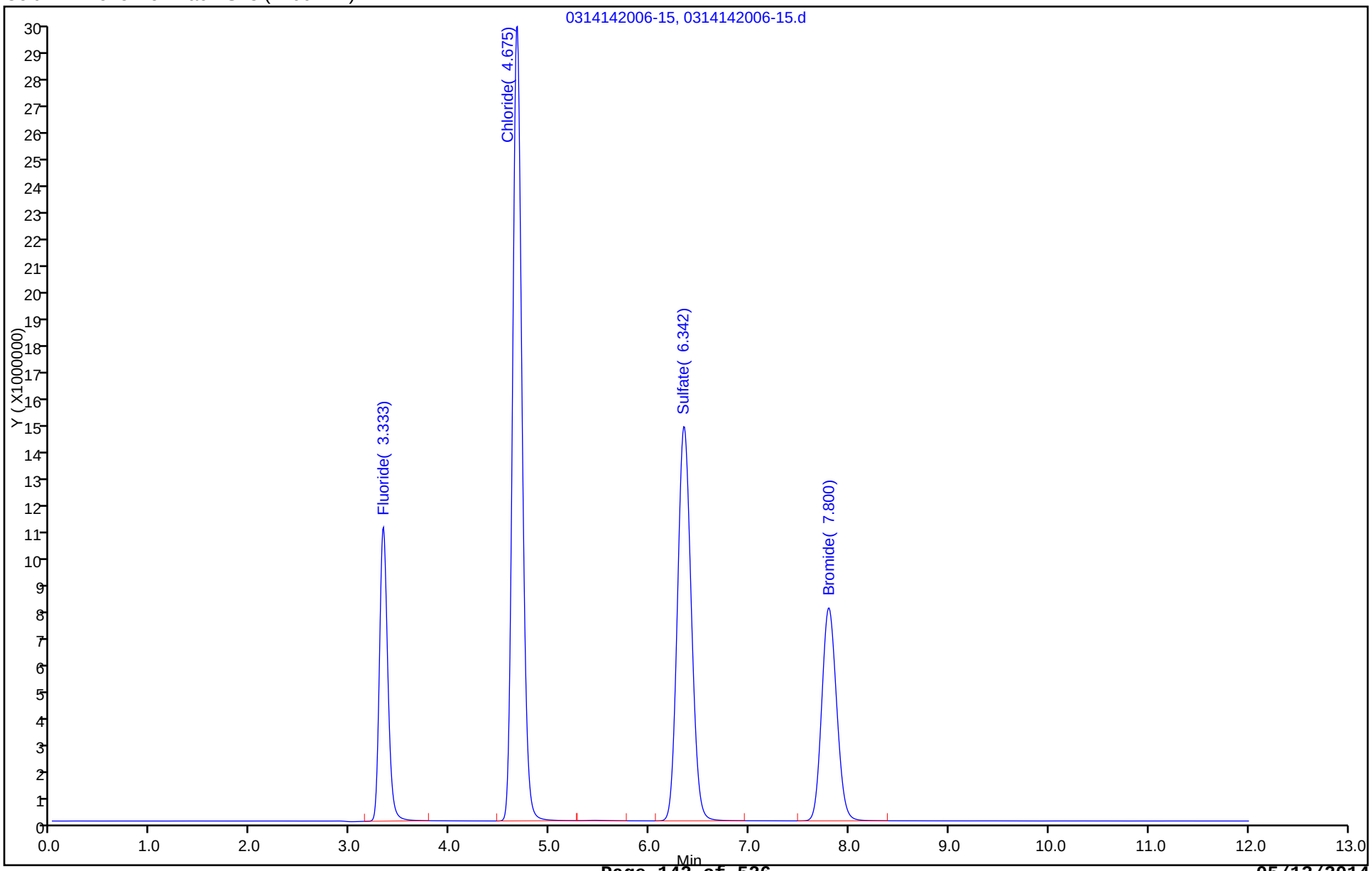
Lims ID: LCSD Worklist Smp#: 10

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.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID:
Lab Sample ID: LCSD 680-319850/10
Matrix: Water
Lab File ID: 0316141347-15.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 03/16/2014 13:47
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	10.1		0.50	0.25
16984-48-8	Fluoride	2.06		0.10	0.025
16887-00-6	Chloride	9.90		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141347-15.d				
Lims ID:	LCSD				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	16-Mar-2014 13:47:00	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 1K031614 1K082812A				
Misc. Info.:	15				
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				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.333	0.0	62895706	2.06	
2 Chloride	4.675	4.667	0.008	194355876	9.90	
3 Sulfate	6.342	6.350	-0.008	140412219	10.1	
4 Bromide	7.792	7.800	-0.008	81857162	9.91	

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

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141347-15.d

Injection Date: 16-Mar-2014 13:47:00 Instrument ID: CICK Operator ID:

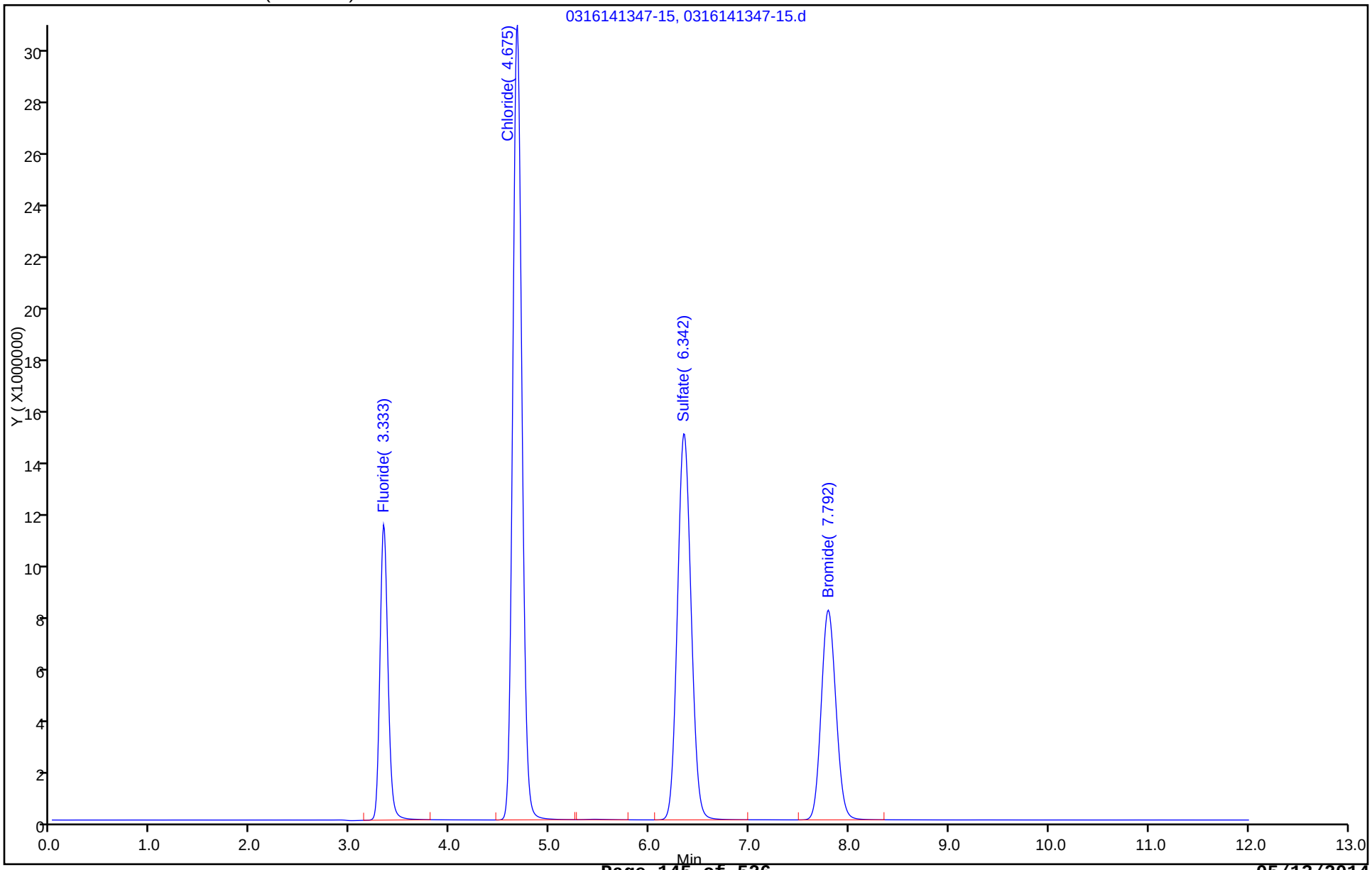
Lims ID: LCSD Worklist Smp#: 10

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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW11 MS Lab Sample ID: 680-99111-4 MS

Matrix: Water Lab File ID: 0314142209-23.d

Analysis Method: 300.0 Date Collected: 03/03/2014 13:20

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/14/2014 22:09

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.: 319822 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	19.7		0.50	0.25
16984-48-8	Fluoride	2.24		0.10	0.025
16887-00-6	Chloride	15.7		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314142209-23.d				
Lims ID:	680-99111-F-4 MS				
Client ID:					
Sample Type:	MS				
Inject. Date:	14-Mar-2014 22:09:00	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99111-F-4 MS 1K031414 1K082812A				
Misc. Info.:	16980				
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	3.325	3.325	0.0	67170202	2.24	
2 Chloride	4.667	4.667	0.0	309211977	15.7	
3 Sulfate	6.325	6.350	-0.025	273549843	19.7	
4 Bromide	7.792	7.808	-0.016	84224914	10.2	

Report Date: 17-Mar-2014 07:59:24 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140316-7187.b\0314142209-23.d

Injection Date: 14-Mar-2014 22:09:00 Instrument ID: CICK Operator ID:

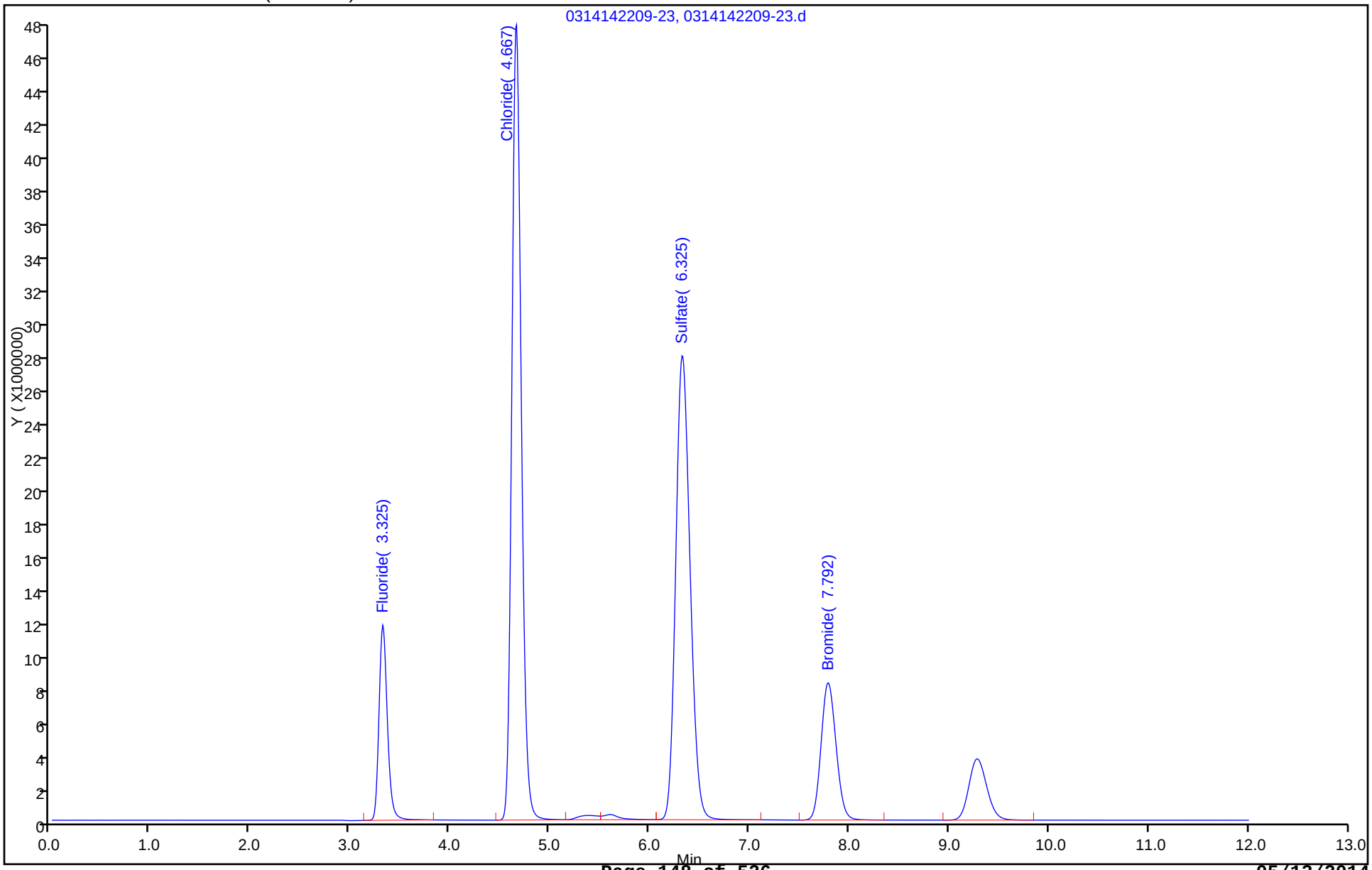
Lims ID: 680-99111-F-4 MS Worklist Smp#: 18

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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW13 MS Lab Sample ID: 680-99111-6 MS

Matrix: Water Lab File ID: 0316141519-21.d

Analysis Method: 300.0 Date Collected: 03/03/2014 14:50

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/16/2014 15:19

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.: 319850 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	61.4		2.0	1.0
16984-48-8	Fluoride	9.86		0.40	0.10
16887-00-6	Chloride	114		2.0	1.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141519-21.d				
Lims ID:	680-99111-F-6 MS				
Client ID:					
Sample Type:	MS				
Inject. Date:	16-Mar-2014 15:19:00	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	25.0 ul	Dil. Factor:	4.0000		
Sample Info:	680-99111-F-6 MS 1K031614 1K082812A				
Misc. Info.:	21				
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				

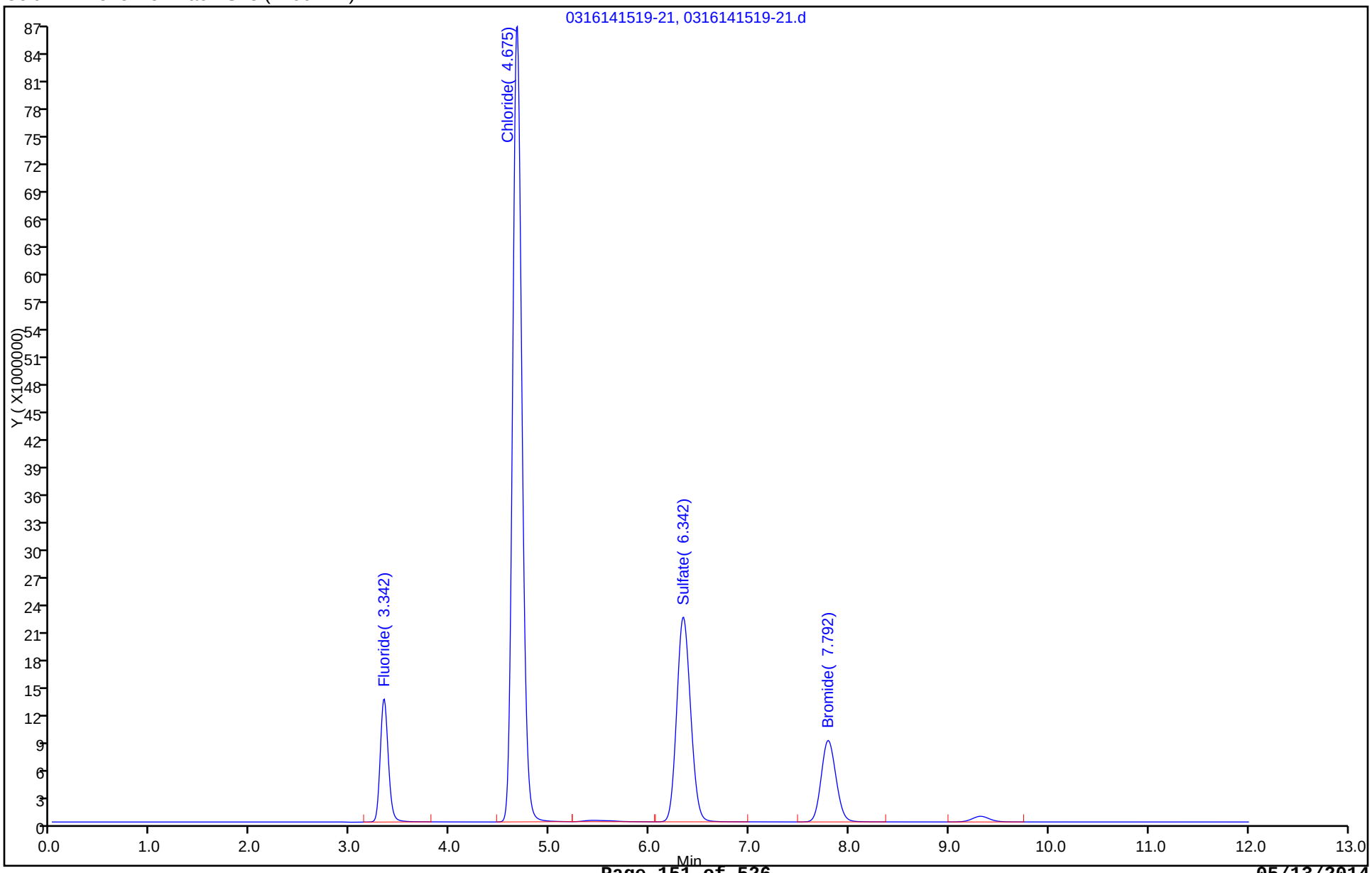
Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.342	3.333	0.009	75271754	2.46	
2 Chloride	4.675	4.667	0.008	562342198	28.5	
3 Sulfate	6.342	6.350	-0.008	214925126	15.4	
4 Bromide	7.792	7.800	-0.008	91094391	11.0	

Report Date: 17-Mar-2014 13:01:19 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141519-21.d				
Injection Date:	16-Mar-2014 15:19:00	Instrument ID:	CICK	Operator ID:	
Lims ID:	680-99111-F-6 MS			Worklist Smp#:	16
Client ID:					
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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW11 MSD Lab Sample ID: 680-99111-4 MSD

Matrix: Water Lab File ID: 0314142224-24.d

Analysis Method: 300.0 Date Collected: 03/03/2014 13:20

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 03/14/2014 22:24

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.: 319822 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	19.5		0.50	0.25
16984-48-8	Fluoride	2.20		0.10	0.025
16887-00-6	Chloride	15.7		0.50	0.25

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140316-7187.b\0314142224-24.d				
Lims ID:	680-99111-F-4 MSD				
Client ID:					
Sample Type:	MSD				
Inject. Date:	14-Mar-2014 22:24:00	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-99111-F-4 MSD 1K031414 1K082812A				
Misc. Info.:	17088				
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	3.325	3.325	0.0	66125576	2.20	
2 Chloride	4.667	4.667	0.0	308428056	15.7	
3 Sulfate	6.333	6.350	-0.017	271402471	19.5	
4 Bromide	7.792	7.808	-0.016	84082062	10.2	

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\0314142224-24.d

Injection Date: 14-Mar-2014 22:24:00 Instrument ID: CICK Operator ID:

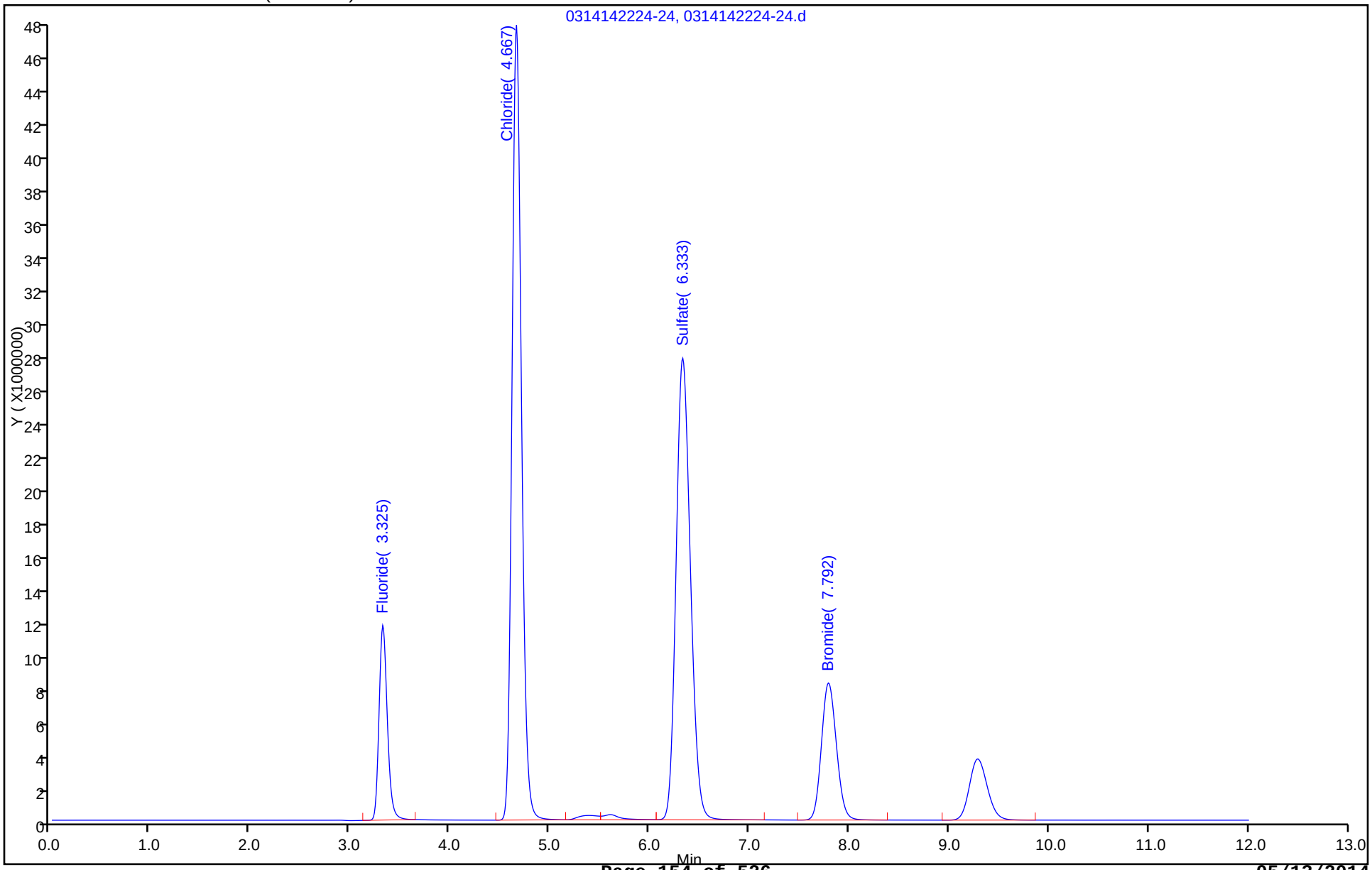
Lims ID: 680-99111-F-4 MSD Worklist Smp#: 19

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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW13 MSD | Lab Sample ID: 680-99111-6 MSD

Matrix: Water | Lab File ID: 0316141534-22.d

Analysis Method: 300.0 | Date Collected: 03/03/2014 14:50

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 03/16/2014 15:34

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.: 319850 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	61.6		2.0	1.0
16984-48-8	Fluoride	9.91		0.40	0.10
16887-00-6	Chloride	114		2.0	1.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141534-22.d				
Lims ID:	680-99111-F-6 MSD				
Client ID:					
Sample Type:	MSD				
Inject. Date:	16-Mar-2014 15:34:00	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	25.0 ul	Dil. Factor:	4.0000		
Sample Info:	680-99111-F-6 MSD 1K031614 1K082812A				
Misc. Info.:	22				
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				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
1 Fluoride	3.333	3.333	0.0	75650764	2.48	
2 Chloride	4.667	4.667	0.0	563839975	28.5	
3 Sulfate	6.342	6.350	-0.008	215687205	15.4	
4 Bromide	7.792	7.800	-0.008	91304230	11.0	

Report Date: 17-Mar-2014 13:01:19 Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CICK\20140317-7200.b\0316141534-22.d

Injection Date: 16-Mar-2014 15:34:00 Instrument ID: CICK Operator ID:

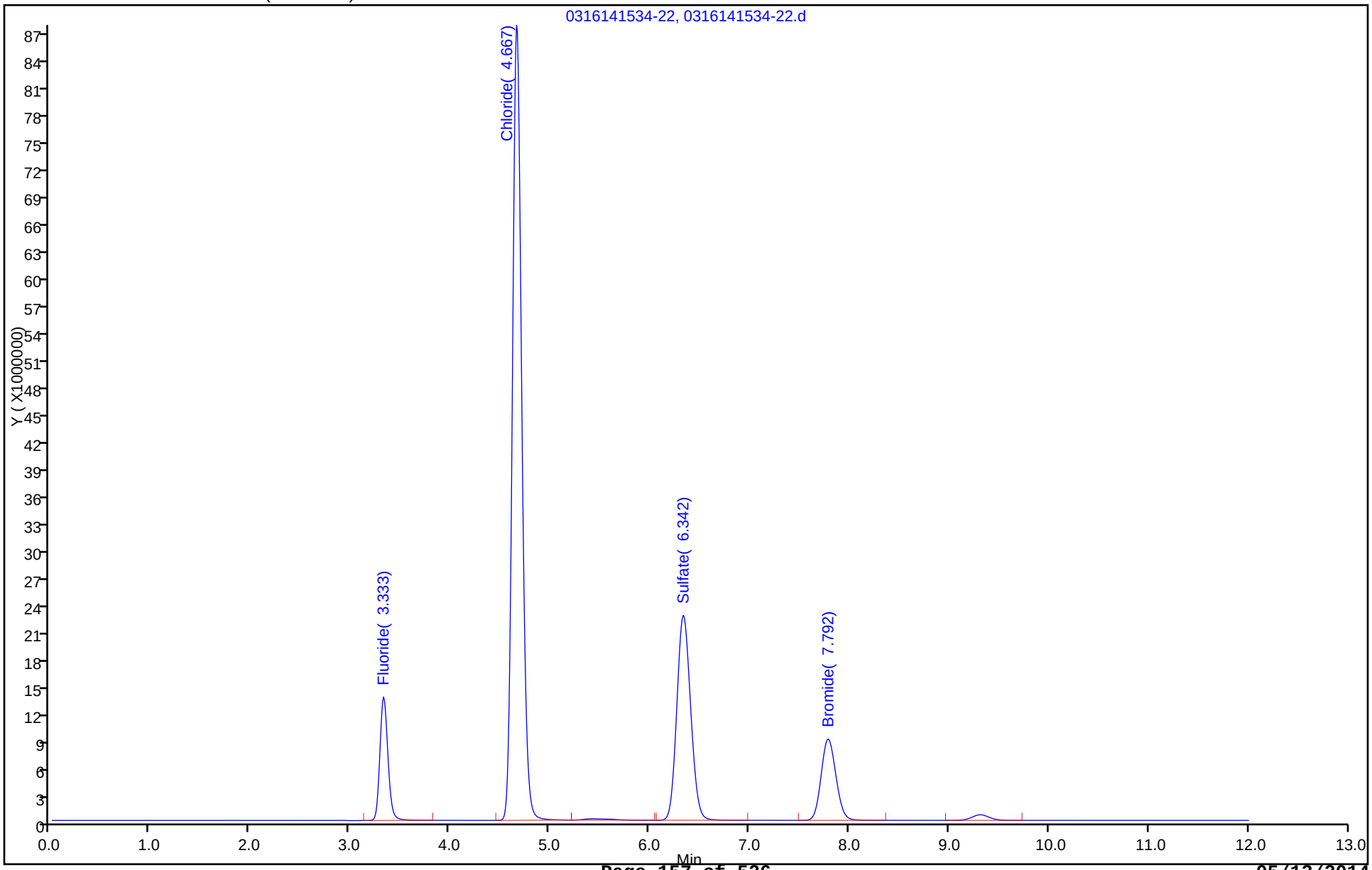
Lims ID: 680-99111-F-6 MSD Worklist Smp#: 17

Client ID:

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)



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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)
680-99111-1	SMSSW01	03/14/2014 20:37	1	0314142037-17.d	Dionex AS18 4(mm)
680-99111-3	SMSMW10B	03/14/2014 21:23	1	0314142123-20.d	Dionex AS18 4(mm)
680-99111-3	SMSMW10B	03/14/2014 21:38	4	0314142138-21.d	Dionex AS18 4(mm)
680-99111-4	SMSSW11	03/14/2014 21:53	1	0314142153-22.d	Dionex AS18 4(mm)
680-99111-4 MS	SMSSW11 MS	03/14/2014 22:09	1	0314142209-23.d	Dionex AS18 4(mm)
680-99111-4 MSD	SMSSW11 MSD	03/14/2014 22:24	1	0314142224-24.d	Dionex AS18 4(mm)
680-99111-5	SMSSW14	03/14/2014 22:39	1	0314142239-25.d	Dionex AS18 4(mm)
680-99111-6	SMSSW13	03/14/2014 22:55	1	0314142255-26.d	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)
680-99111-7	SMSSW09 SPRING	03/14/2014 23:40	1	0314142340-29.d	Dionex AS18 4(mm)
680-99111-8	SMSSW09	03/14/2014 23:56	1	0314142356-30.d	Dionex AS18 4(mm)
ZZZZZ		03/15/2014 00:11	4		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 00:26	2		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 00:42	10		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 01:12	20		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 01:28	20		Dionex AS18 4(mm)
ZZZZZ		03/15/2014 01:43	20		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)

300.0

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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)
MB 680-319850/8		03/16/2014 13:16	1	0316141316-13.d	Dionex AS18 4(mm)
ICB 680-319850/1008		03/16/2014 13:16	1	0316141316-13-ICB.d	Dionex AS18 4(mm)
LCS 680-319850/9		03/16/2014 13:31	1	0316141331-14.d	Dionex AS18 4(mm)
ICV 680-319850/1009		03/16/2014 13:31	1		Dionex AS18 4(mm)
LCSD 680-319850/10		03/16/2014 13:47	1	0316141347-15.d	Dionex AS18 4(mm)
680-99111-2	SMSMW10A	03/16/2014 14:17	50	0316141417-17.d	Dionex AS18 4(mm)
680-99111-3	SMSMW10B	03/16/2014 14:33	25	0316141433-18.d	Dionex AS18 4(mm)
680-99111-5	SMSSW14	03/16/2014 14:48	2	0316141448-19.d	Dionex AS18 4(mm)
680-99111-6	SMSSW13	03/16/2014 15:03	4	0316141503-20.d	Dionex AS18 4(mm)
680-99111-6 MS	SMSSW13 MS	03/16/2014 15:19	4	0316141519-21.d	Dionex AS18 4(mm)
680-99111-6 MSD	SMSSW13 MSD	03/16/2014 15:34	4	0316141534-22.d	Dionex AS18 4(mm)
680-99111-7	SMSSW09 SPRING	03/16/2014 15:49	2	0316141549-23.d	Dionex AS18 4(mm)
680-99111-8	SMSSW09	03/16/2014 16:05	4	0316141605-24.d	Dionex AS18 4(mm)
CCV 680-319850/20		03/16/2014 16:20	1	0316141620-25.d	Dionex AS18 4(mm)
CCB 680-319850/21		03/16/2014 16:35	1	0316141635-26.d	Dionex AS18 4(mm)

300_ORGFMS

Anions, Ion Chromatography

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0305141039-6.d

Lab ID: LCS 680-318425/6 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Nitrite as NO2	3.28	3.32	101	90-110	
Nitrate as NO3	4.42	4.33	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.: 680-99111-1

SDG No.: 68099111-1

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 DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0305141054-7.d

Lab ID: LCSD 680-318425/7 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	3.32	101	0	30	90-110	
Nitrate as NO3	4.42	4.34	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.: 680-99111-1

SDG No.: 68099111-1

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 MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0305141433-16.d

Lab ID: 680-99111-7 MS Client ID: SMSSW09 SPRING 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	6.57	100	80-120	
Nitrate as NO3	8.84	3.6	12.4	99	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.: 680-99111-1

SDG No.: 68099111-1

Matrix: Water Level: Low Lab File ID: 0305141449-17.d

Lab ID: 680-99111-7 MSD Client ID: SMSSW09 SPRING MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Nitrite as NO2	6.56	6.58	100	0	30	80-120	
Nitrate as NO3	8.84	12.4	99	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.: 680-99111-1

SDG No.: 68099111-1

Lab File ID: 0305141023-5.d Lab Sample ID: MB 680-318425/5

Matrix: Water Date Extracted:

Instrument ID: CICG Date Analyzed: 03/05/2014 10:23

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-318425/6	0305141039-6.d	03/05/2014 10:39
	LCSD 680-318425/7	0305141054-7.d	03/05/2014 10:54
SMSSW11	680-99111-4	0305141245-9.d	03/05/2014 12:45
SMSSW14	680-99111-5	0305141301-10.d	03/05/2014 13:01
SMSMW10A	680-99111-2	0305141316-11.d	03/05/2014 13:16
SMSMW10A	680-99111-2	0305141332-12.d	03/05/2014 13:32
SMSMW10B	680-99111-3	0305141347-13.d	03/05/2014 13:47
SMSSW13	680-99111-6	0305141402-14.d	03/05/2014 14:02
SMSSW09 SPRING	680-99111-7	0305141418-15.d	03/05/2014 14:18
SMSSW09 SPRING MS	680-99111-7 MS	0305141433-16.d	03/05/2014 14:33
SMSSW09 SPRING MSD	680-99111-7 MSD	0305141449-17.d	03/05/2014 14:49
	CCB 680-318425/20	0305141535-20.d	03/05/2014 15:35

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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
SMSSW01	680-99111-1	0305142246-48.d	03/05/2014 22:46
SMSSW09	680-99111-8	0305142302-49.d	03/05/2014 23:02
	CCB 680-318426/58	0306140120-58.d	03/06/2014 01:20

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW01 Lab Sample ID: 680-99111-1

Matrix: Water Lab File ID: 0305142246-48.d

Analysis Method: 300.0 Date Collected: 03/03/2014 11:17

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/05/2014 22:46

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	<0.16	H	0.34	0.16
STL00672	Nitrate as NO3	1.2	H	0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

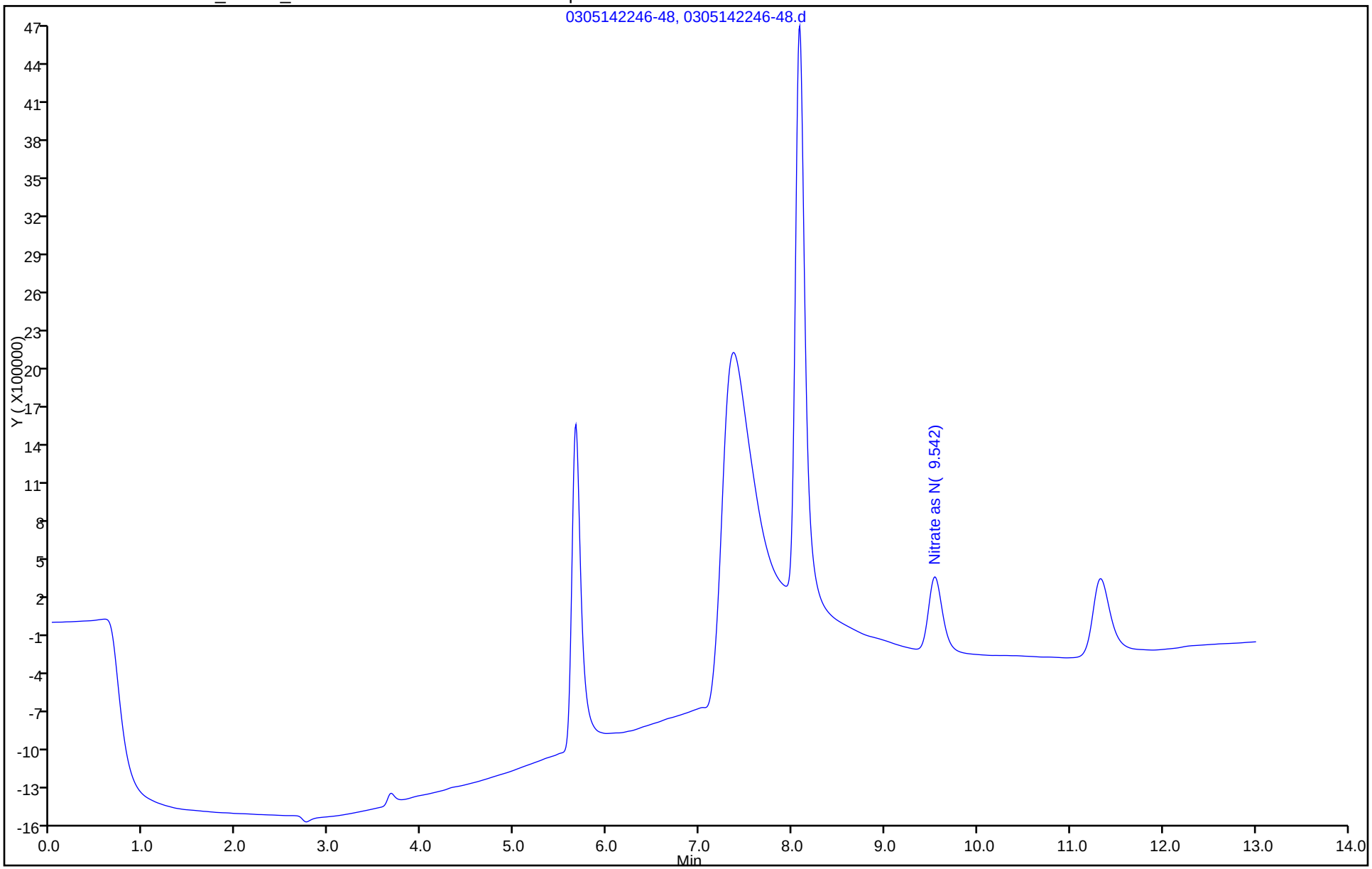
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305142246-48.d				
Lims ID:	680-99111-F-1	Lab Sample ID:	680-99111-1		
Client ID:	SMSSW01				
Sample Type:	Client				
Inject. Date:	05-Mar-2014 22:46:00	ALS Bottle#:	0	Worklist Smp#:	48
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-99111-F-1 1G030514 Anion				
Misc. Info.:	16220				
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 10:52:18		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.542	9.533	0.009	6107772	0.1348	
S 10 Nitrate as NO3					0.5965	

Report Date: 07-Mar-2014 10:57:33 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305142246-48.d				
Injection Date:	05-Mar-2014 22:46:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99111-F-1	Lab Sample ID:	680-99111-1	Worklist Smp#:	48
Client ID:	SMSSW01				
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.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID: SMSMW10A
Lab Sample ID: 680-99111-2
Matrix: Water
Lab File ID: 0305141332-12.d
Analysis Method: 300.0
Date Collected: 03/03/2014 14:30
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/05/2014 13:32
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.: 318425
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\0305141332-12.d
Lims ID: 680-99111-F-2 Lab Sample ID: 680-99111-2
Client ID: SMSMW10A
Sample Type: Client
Inject. Date: 05-Mar-2014 13:32:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 25.0 ul Dil. Factor: 4.0000
Sample Info: 680-99111-F-2 1G030514 Anion
Misc. Info.: 24842 NO2
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 11:01:39 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: 05-Mar-2014 17:32:50

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.300	9.500	-0.200	247827774	4.96	E
S 10 Nitrate as NO3					22.0	

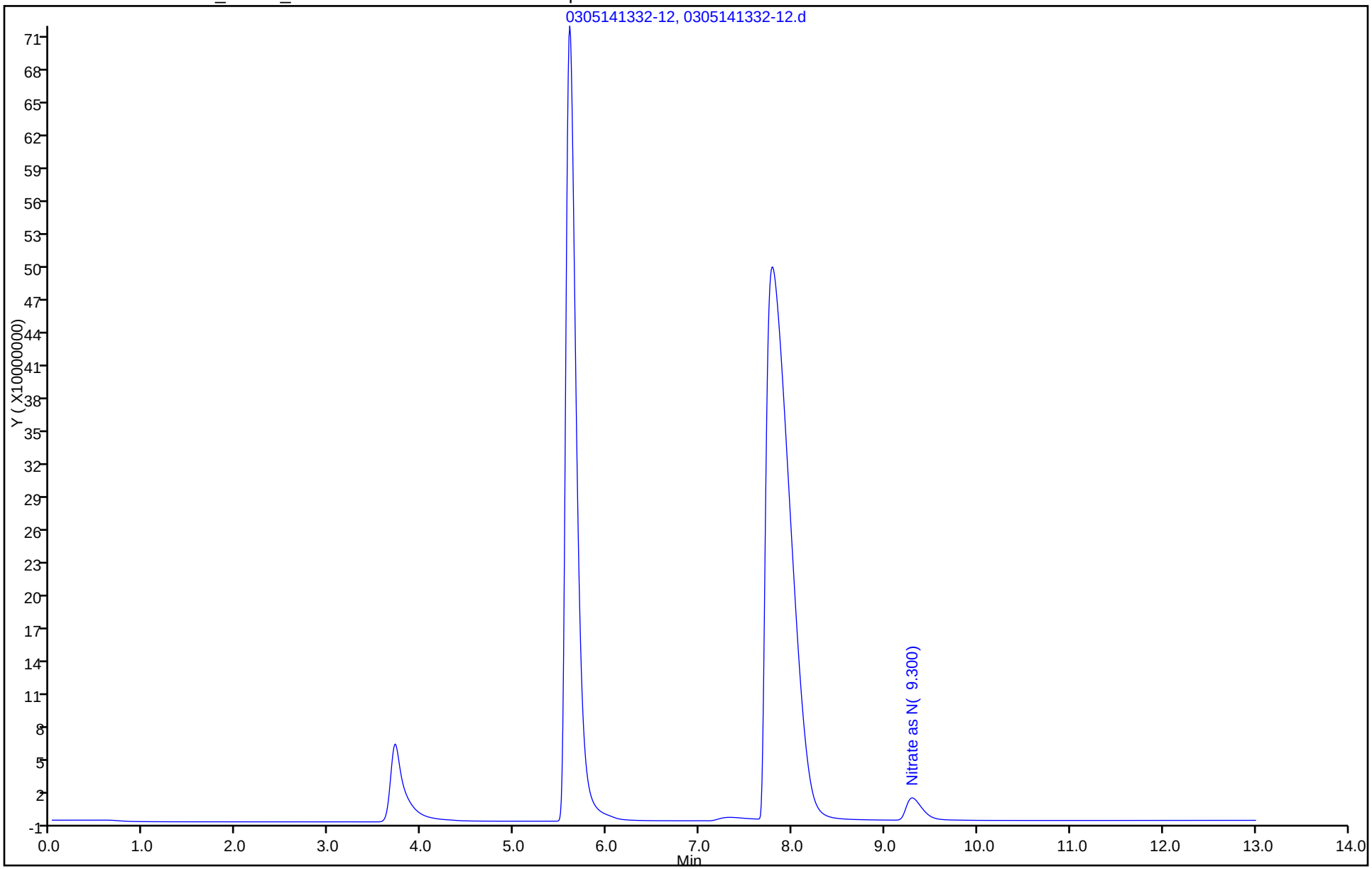
QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Report Date: 06-Mar-2014 11:01:42 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141332-12.d				
Injection Date:	05-Mar-2014 13:32:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99111-F-2	Lab Sample ID:	680-99111-2	Worklist Smp#:	12
Client ID:	SMSMW10A				
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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSMW10A Lab Sample ID: 680-99111-2

Matrix: Water Lab File ID: 0305141316-11.d

Analysis Method: 300.0 Date Collected: 03/03/2014 14:30

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/05/2014 13:16

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.: 318425 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00672	Nitrate as NO3	79		8.8	4.4

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141316-11.d
Lims ID: 680-99111-F-2 Lab Sample ID: 680-99111-2
Client ID: SMSMW10A
Sample Type: Client
Inject. Date: 05-Mar-2014 13:16:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 25.0 ul Dil. Factor: 40.0000
Sample Info: 680-99111-F-2 1G030514 Anion
Misc. Info.: 28528 NO3
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 11:01:39 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

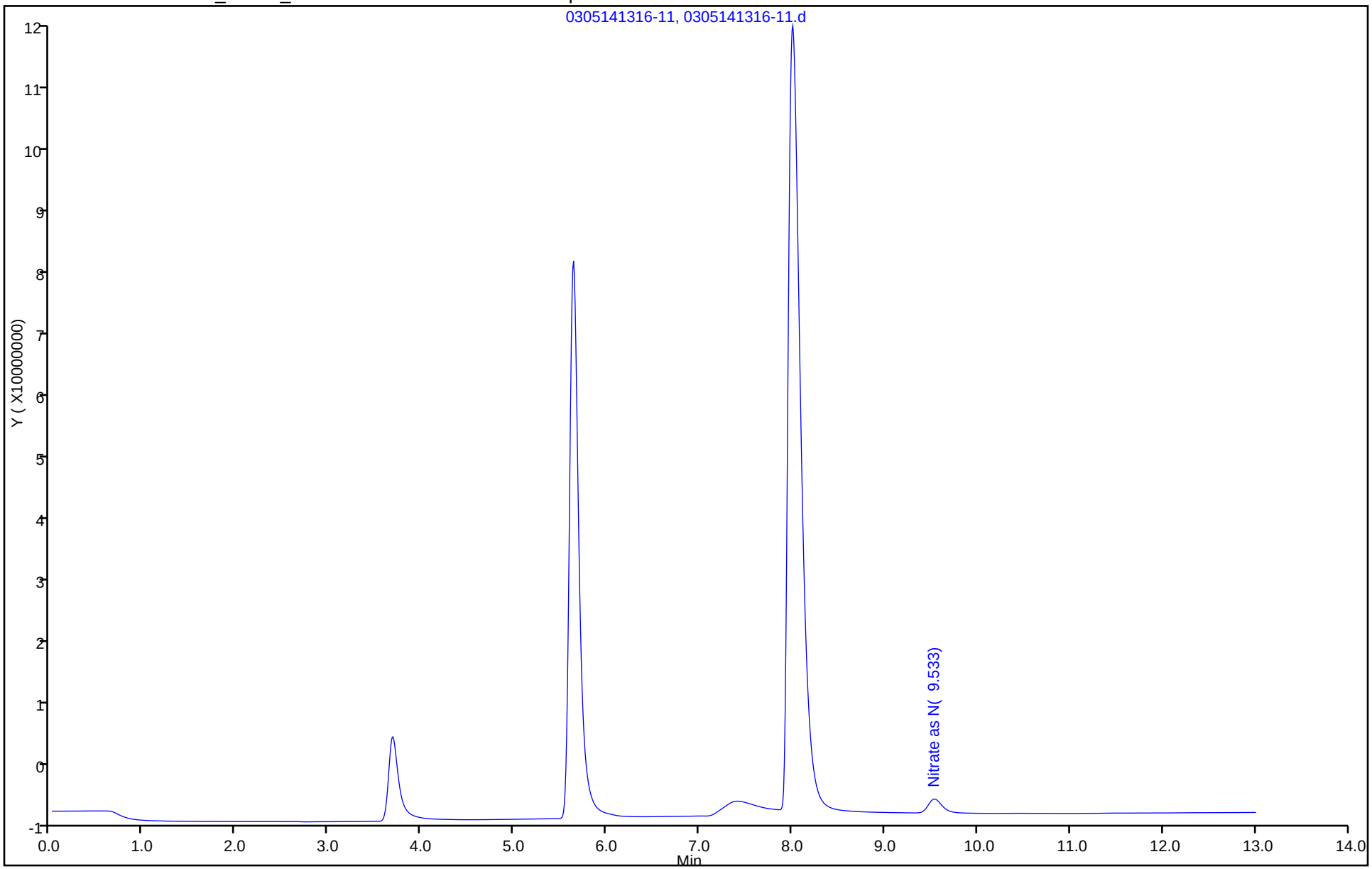
Column 1 : Det: 0423131702-17
Process Host: XAWRK012

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.533	9.500	0.033	21630761	0.4450	
S 10 Nitrate as NO3					1.97	

Report Date: 06-Mar-2014 11:01:41 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141316-11.d				
Injection Date:	05-Mar-2014 13:16:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99111-F-2	Lab Sample ID:	680-99111-2	Worklist Smp#:	11
Client ID:	SMSMW10A				
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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSMW10B Lab Sample ID: 680-99111-3

Matrix: Water Lab File ID: 0305141347-13.d

Analysis Method: 300.0 Date Collected: 03/03/2014 14:50

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/05/2014 13:47

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.: 318425 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	11		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141347-13.d
Lims ID: 680-99111-F-3 Lab Sample ID: 680-99111-3
Client ID: SMSMW10B
Sample Type: Client
Inject. Date: 05-Mar-2014 13:47:00 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 25.0 ul Dil. Factor: 2.0000
Sample Info: 680-99111-F-3 1G030514 Anion
Misc. Info.: 476
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 11:01:39 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

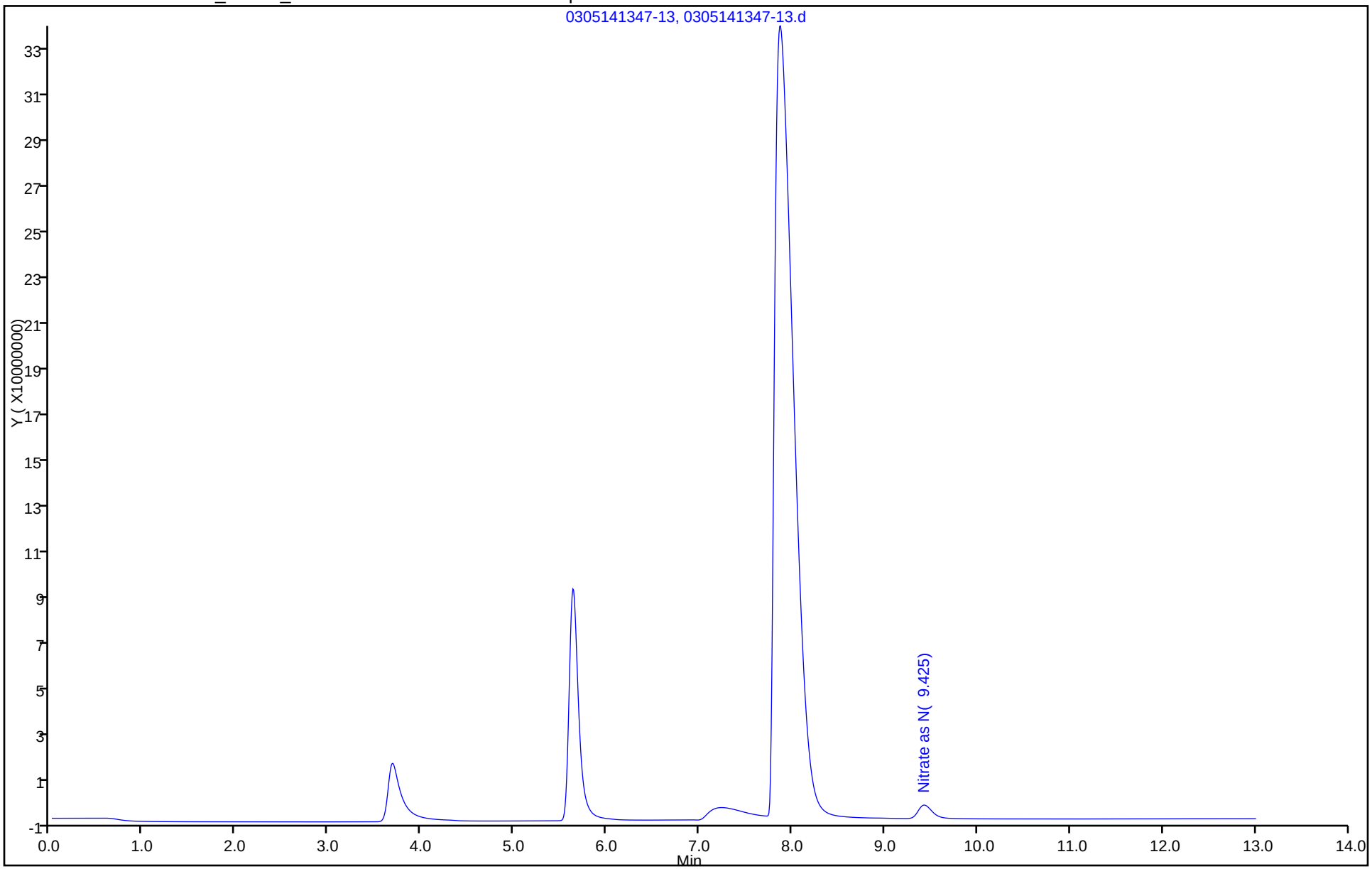
First Level Reviewer: singhv Date: 05-Mar-2014 17:33:02

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.425	9.500	-0.075	61264752	1.24	
S 10 Nitrate as NO3					5.47	

Report Date: 06-Mar-2014 11:01:42 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141347-13.d				
Injection Date:	05-Mar-2014 13:47:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99111-F-3	Lab Sample ID:	680-99111-3	Worklist Smp#:	13
Client ID:	SMSMW10B				
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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW11 Lab Sample ID: 680-99111-4

Matrix: Water Lab File ID: 0305141245-9.d

Analysis Method: 300.0 Date Collected: 03/03/2014 13:20

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/05/2014 12:45

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.: 318425 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	4.0		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141245-9.d
Lims ID: 680-99111-F-4 Lab Sample ID: 680-99111-4
Client ID: SMSSW11
Sample Type: Client
Inject. Date: 05-Mar-2014 12:45:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 25.0 ul Dil. Factor: 2.0000
Sample Info: 680-99111-F-4 1G030514 Anion
Misc. Info.: 20935
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 11:01:39 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

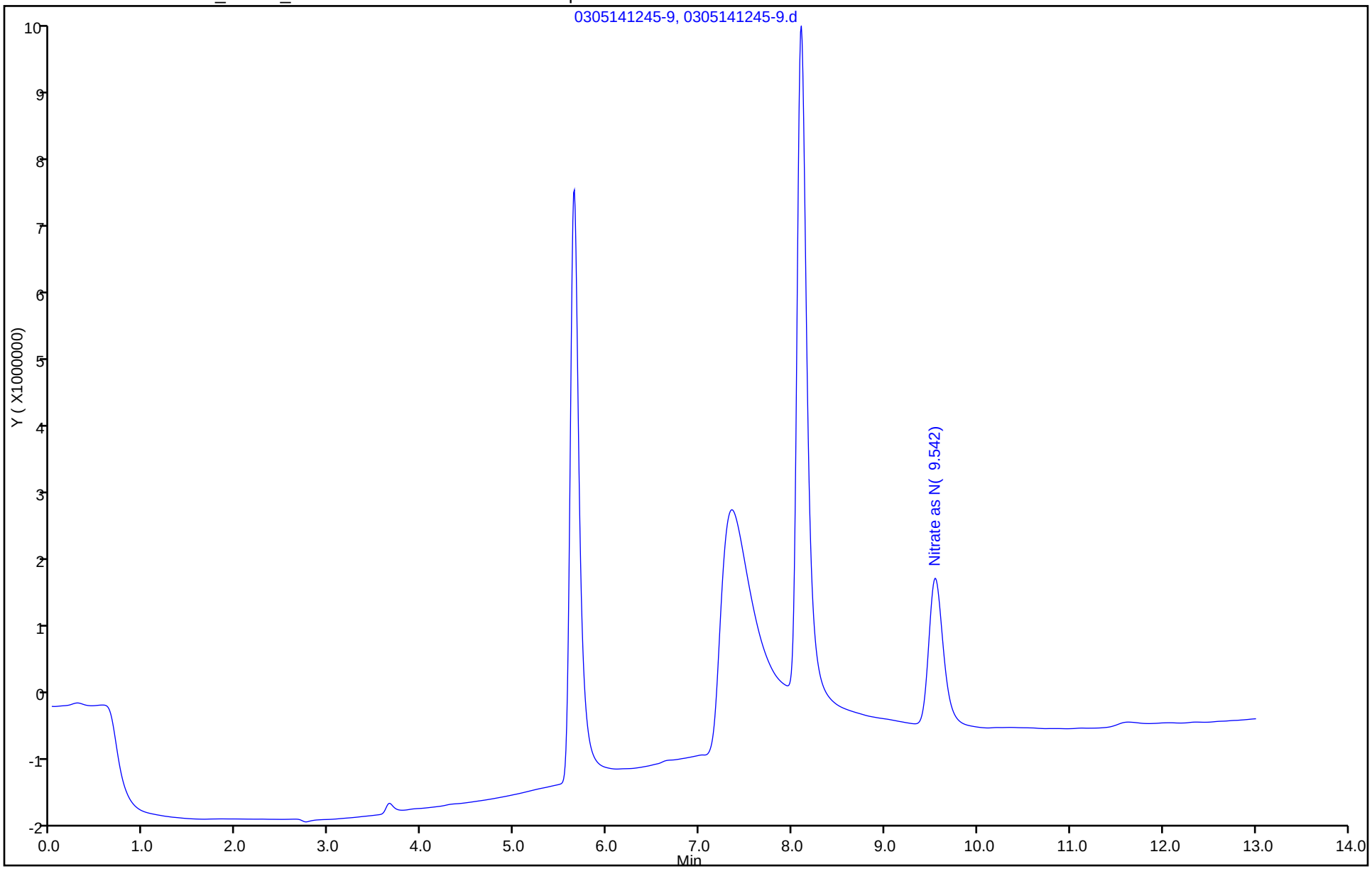
First Level Reviewer: singhv Date: 05-Mar-2014 17:32:11

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.542	9.500	0.042	21724741	0.4468	
S 10 Nitrate as NO3					1.98	

Report Date: 06-Mar-2014 11:01:41 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141245-9.d				
Injection Date:	05-Mar-2014 12:45:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99111-F-4	Lab Sample ID:	680-99111-4	Worklist Smp#:	9
Client ID:	SMSSW11				
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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW14 | Lab Sample ID: 680-99111-5

Matrix: Water | Lab File ID: 0305141301-10.d

Analysis Method: 300.0 | Date Collected: 03/03/2014 14:15

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 03/05/2014 13:01

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.: 318425 | 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	3.8		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

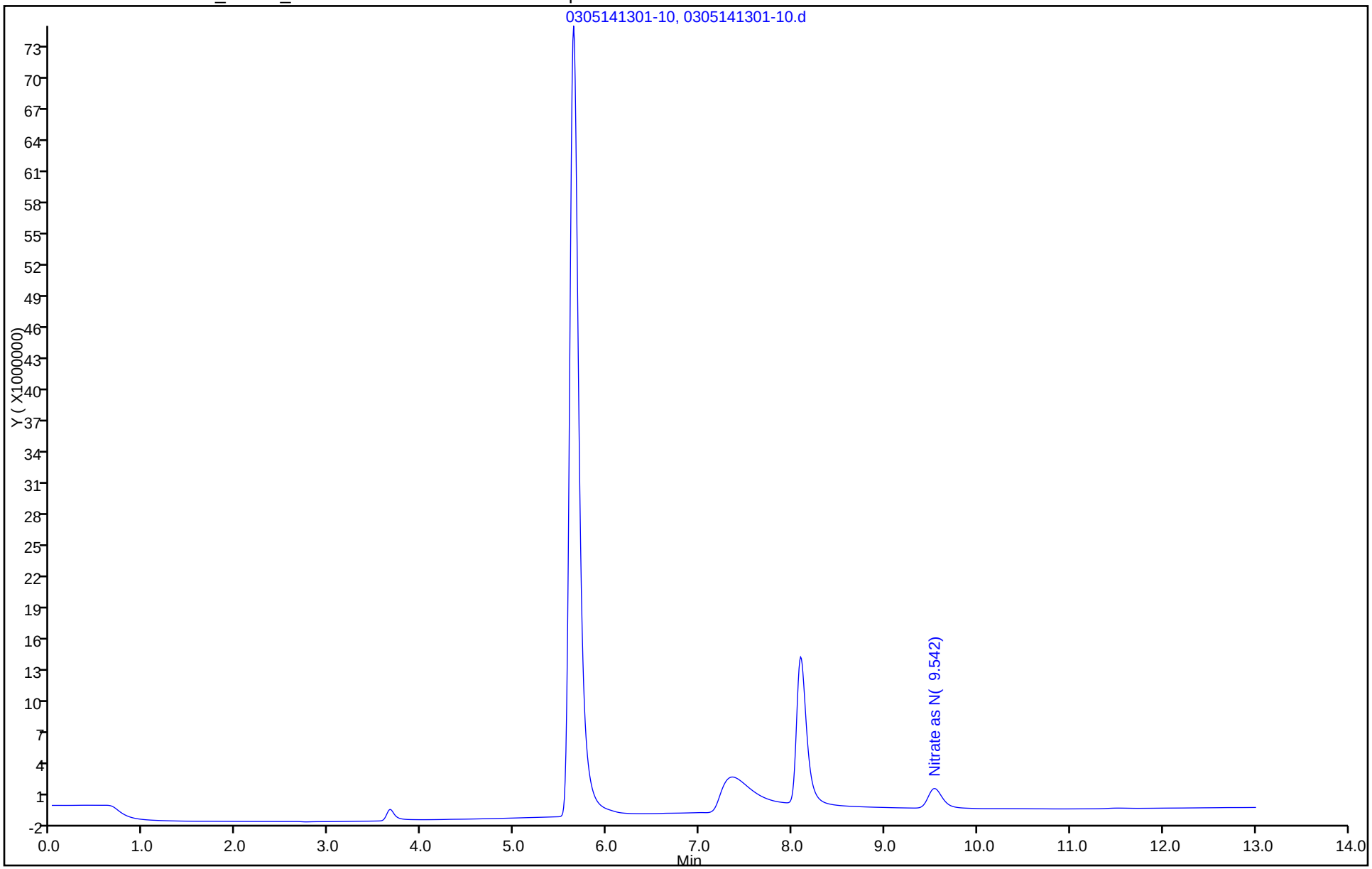
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141301-10.d				
Lims ID:	680-99111-F-5	Lab Sample ID:	680-99111-5		
Client ID:	SMSSW14				
Sample Type:	Client				
Inject. Date:	05-Mar-2014 13:01:00	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-99111-F-5 1G030514 Anion				
Misc. Info.:	6014				
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 11:01:39	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
6 Nitrate as N	9.542	9.500	0.042	20818217	0.4287	
S 10 Nitrate as NO3					1.90	

Report Date: 06-Mar-2014 11:01:41 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141301-10.d				
Injection Date:	05-Mar-2014 13:01:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99111-F-5	Lab Sample ID:	680-99111-5	Worklist Smp#:	10
Client ID:	SMSSW14				
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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW13 | Lab Sample ID: 680-99111-6

Matrix: Water | Lab File ID: 0305141402-14.d

Analysis Method: 300.0 | Date Collected: 03/03/2014 14:50

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 03/05/2014 14:02

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.: 318425 | 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	4.0		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141402-14.d
Lims ID: 680-99111-F-6 Lab Sample ID: 680-99111-6
Client ID: SMSSW13
Sample Type: Client
Inject. Date: 05-Mar-2014 14:02:00 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 25.0 ul Dil. Factor: 2.0000
Sample Info: 680-99111-F-6 1G030514 Anion
Misc. Info.: 22709
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 11:01:39 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

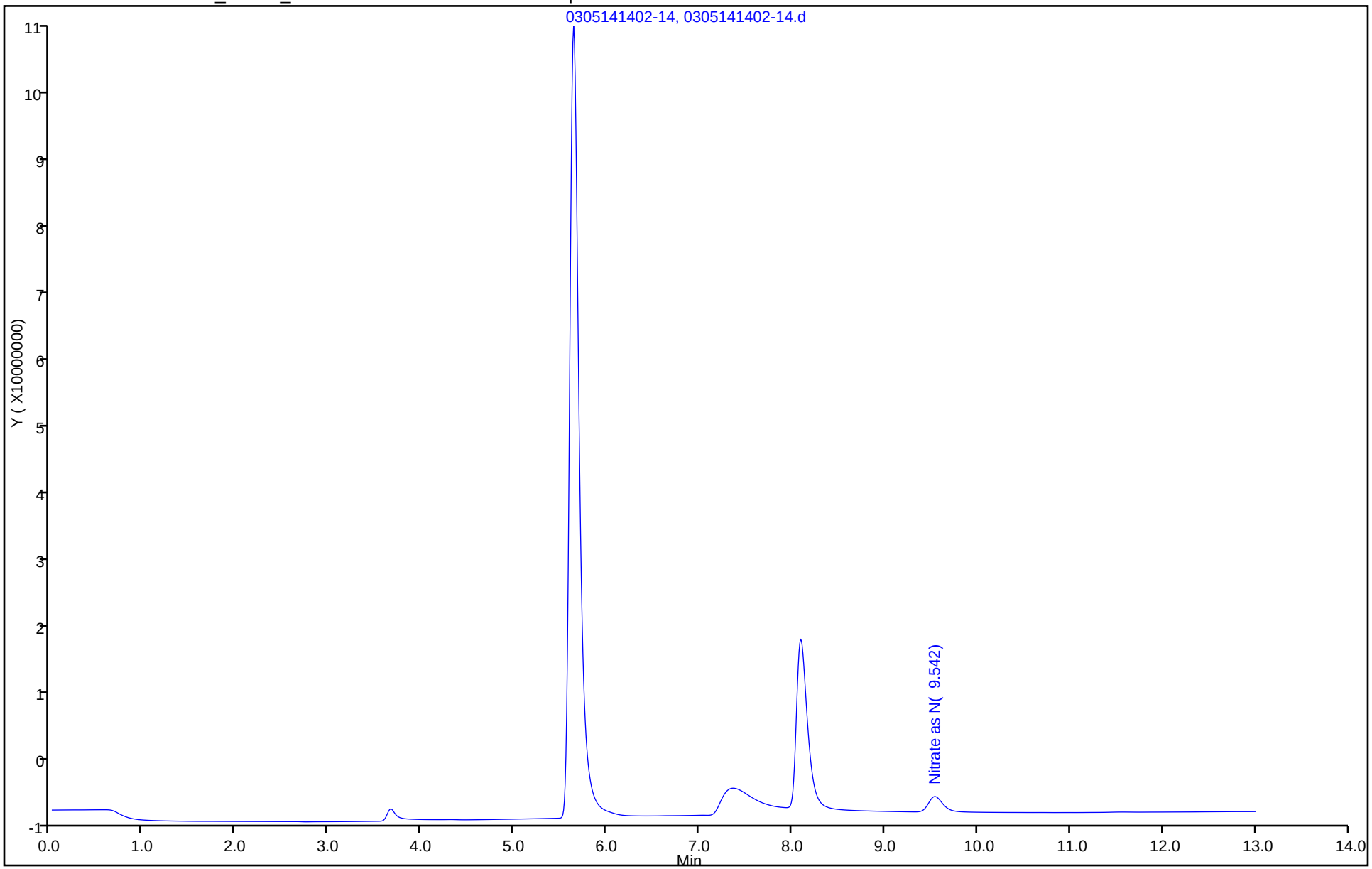
First Level Reviewer: singhv Date: 05-Mar-2014 17:33:14

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
6 Nitrate as N	9.542	9.500	0.042	22241728	0.4572	
S 10 Nitrate as NO3					2.02	

Report Date: 06-Mar-2014 11:01:42 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141402-14.d				
Injection Date:	05-Mar-2014 14:02:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99111-F-6	Lab Sample ID:	680-99111-6	Worklist Smp#:	14
Client ID:	SMSSW13				
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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW09 SPRING Lab Sample ID: 680-99111-7

Matrix: Water Lab File ID: 0305141418-15.d

Analysis Method: 300.0 Date Collected: 03/03/2014 15:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/05/2014 14:18

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.: 318425 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	3.6		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

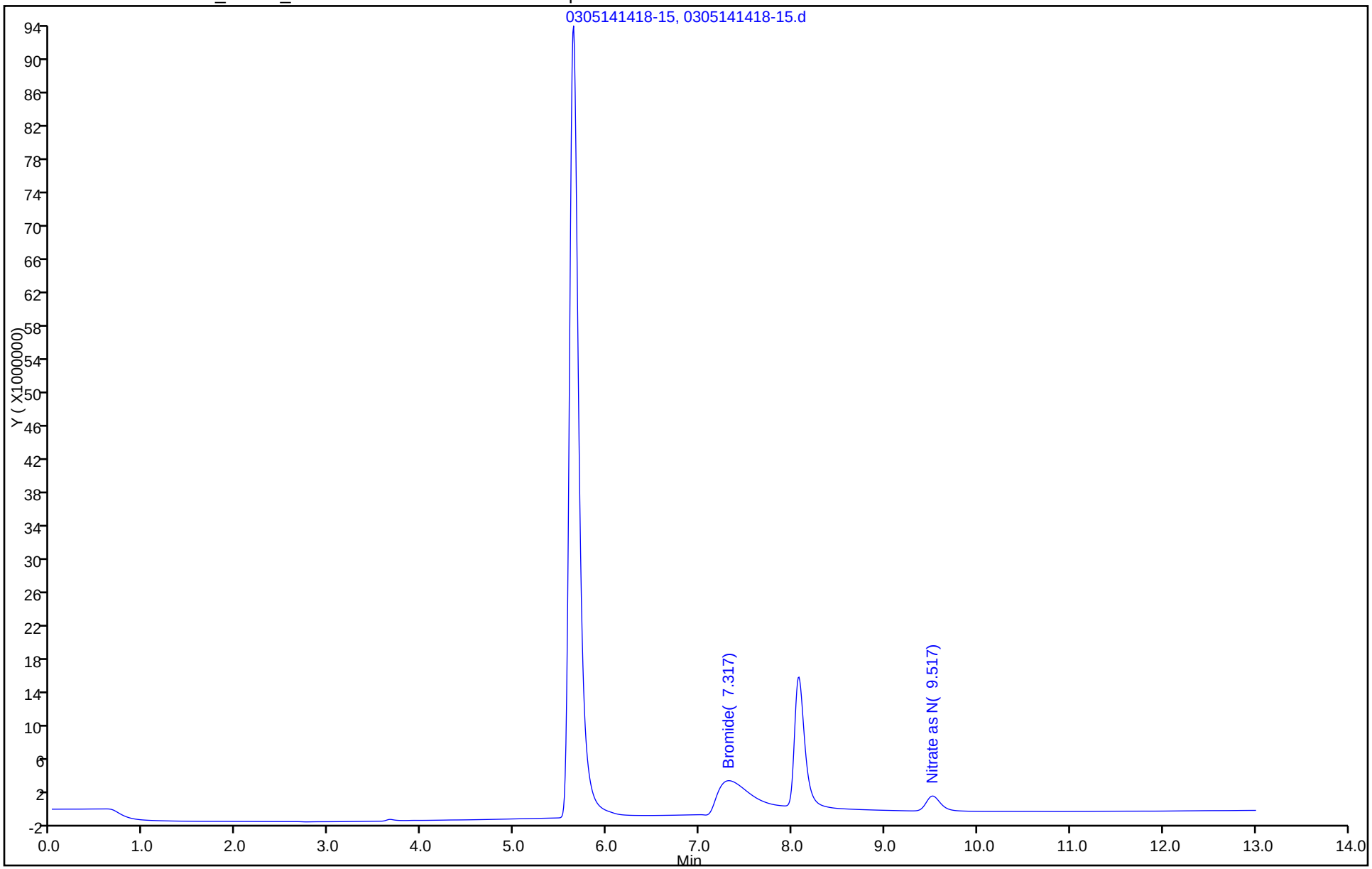
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141418-15.d				
Lims ID:	680-99111-F-7	Lab Sample ID:	680-99111-7		
Client ID:	SMSSW09 SPRING				
Sample Type:	Client				
Inject. Date:	05-Mar-2014 14:18:00	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-99111-F-7 1G030514 Anion				
Misc. Info.:	6576				
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 11:01:39	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
4 Bromide	7.317	7.367	-0.050	88591645	NC	
6 Nitrate as N	9.517	9.500	0.017	19713875	0.4067	
S 10 Nitrate as NO3					1.80	

Report Date: 06-Mar-2014 11:01:43 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141418-15.d				
Injection Date:	05-Mar-2014 14:18:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99111-F-7	Lab Sample ID:	680-99111-7	Worklist Smp#:	15
Client ID:	SMSSW09 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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW09 | Lab Sample ID: 680-99111-8

Matrix: Water | Lab File ID: 0305142302-49.d

Analysis Method: 300.0 | Date Collected: 03/03/2014 10:10

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 03/05/2014 23:02

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	<0.16	H	0.34	0.16
STL00672	Nitrate as NO3	4.6	H	0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

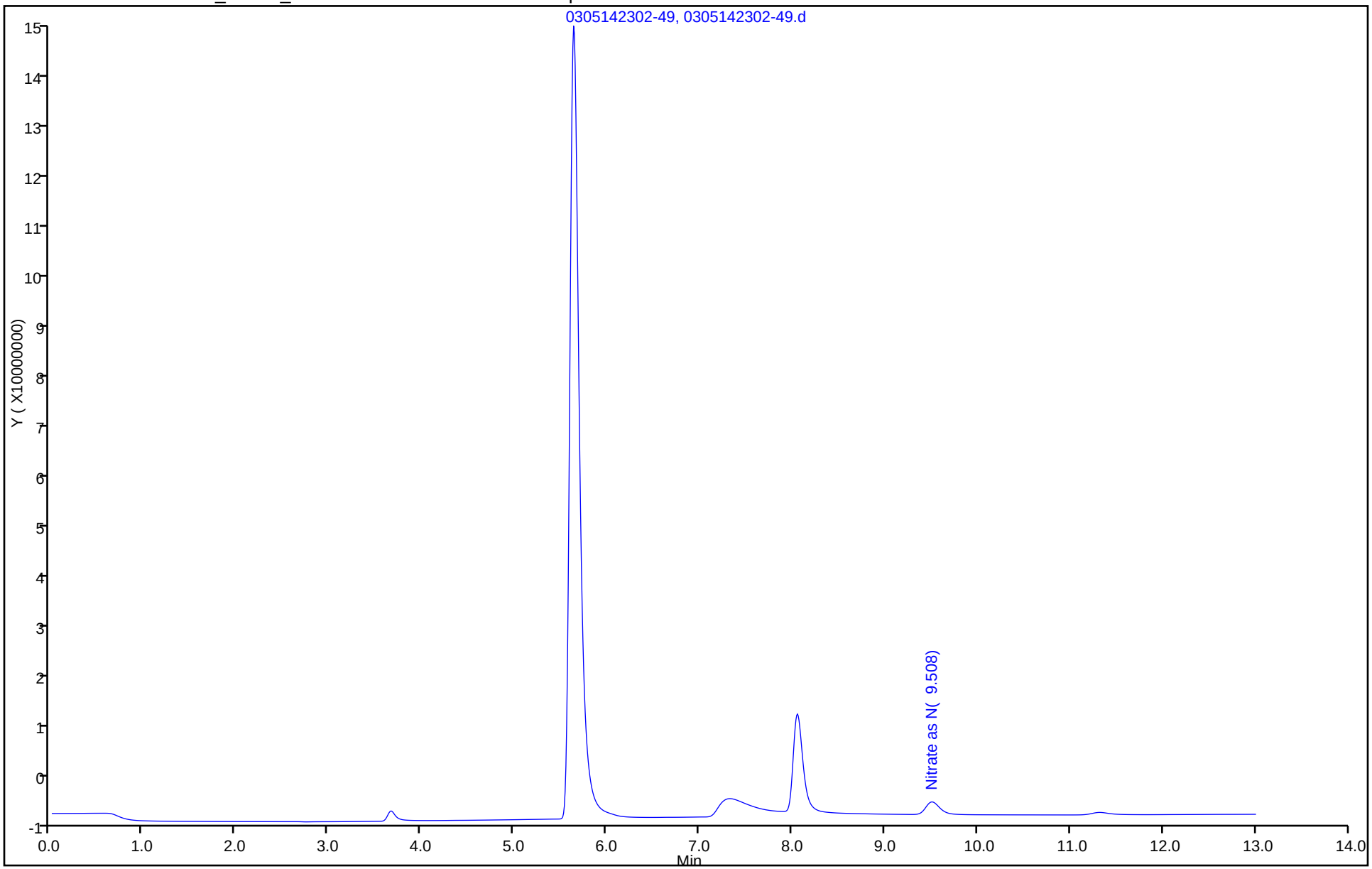
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305142302-49.d				
Lims ID:	680-99111-F-8	Lab Sample ID:	680-99111-8		
Client ID:	SMSSW09				
Sample Type:	Client				
Inject. Date:	05-Mar-2014 23:02:00	ALS Bottle#:	0	Worklist Smp#:	49
Injection Vol:	25.0 ul	Dil. Factor:	2.0000		
Sample Info:	680-99111-F-8 1G030514 Anion				
Misc. Info.:	17738				
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	9.508	9.533	-0.025	25173252	0.5157	
S 10 Nitrate as NO3					2.28	

Report Date: 07-Mar-2014 10:57:33 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305142302-49.d				
Injection Date:	05-Mar-2014 23:02:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99111-F-8	Lab Sample ID:	680-99111-8	Worklist Smp#:	49
Client ID:	SMSSW09				
Injection Vol:	25.0 ul	Dil. Factor:	2.0000	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.: 680-99111-1 Analy Batch No.: 317856

SDG No.: 68099111-1

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.: 680-99111-1 Analy Batch No.: 317856

SDG No.: 68099111-1

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.: 680-99111-1 Analy Batch No.: 317856

SDG No.: 68099111-1

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

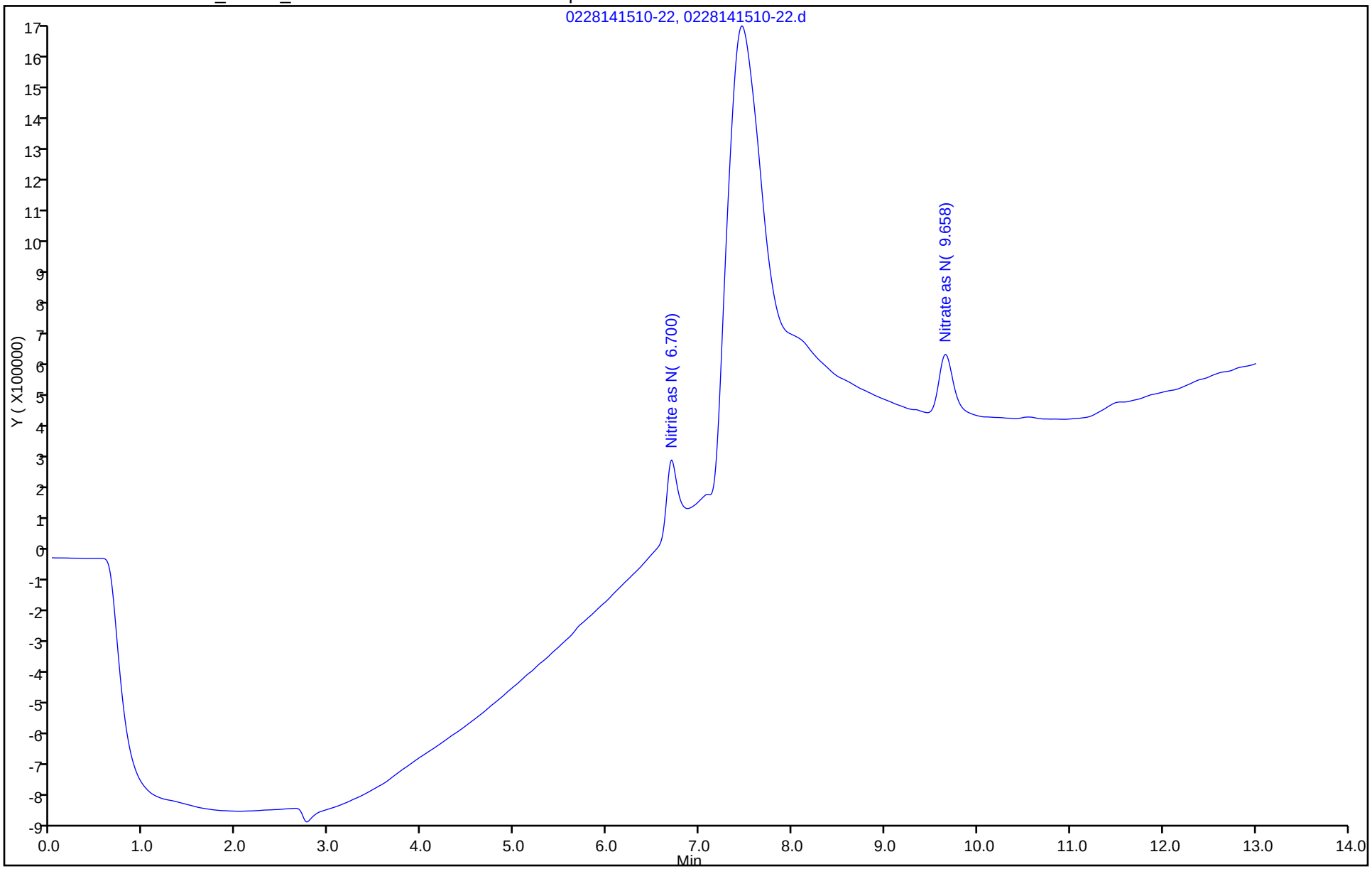
First Level Reviewer: singhv Date: 28-Feb-2014 16:47:16

	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

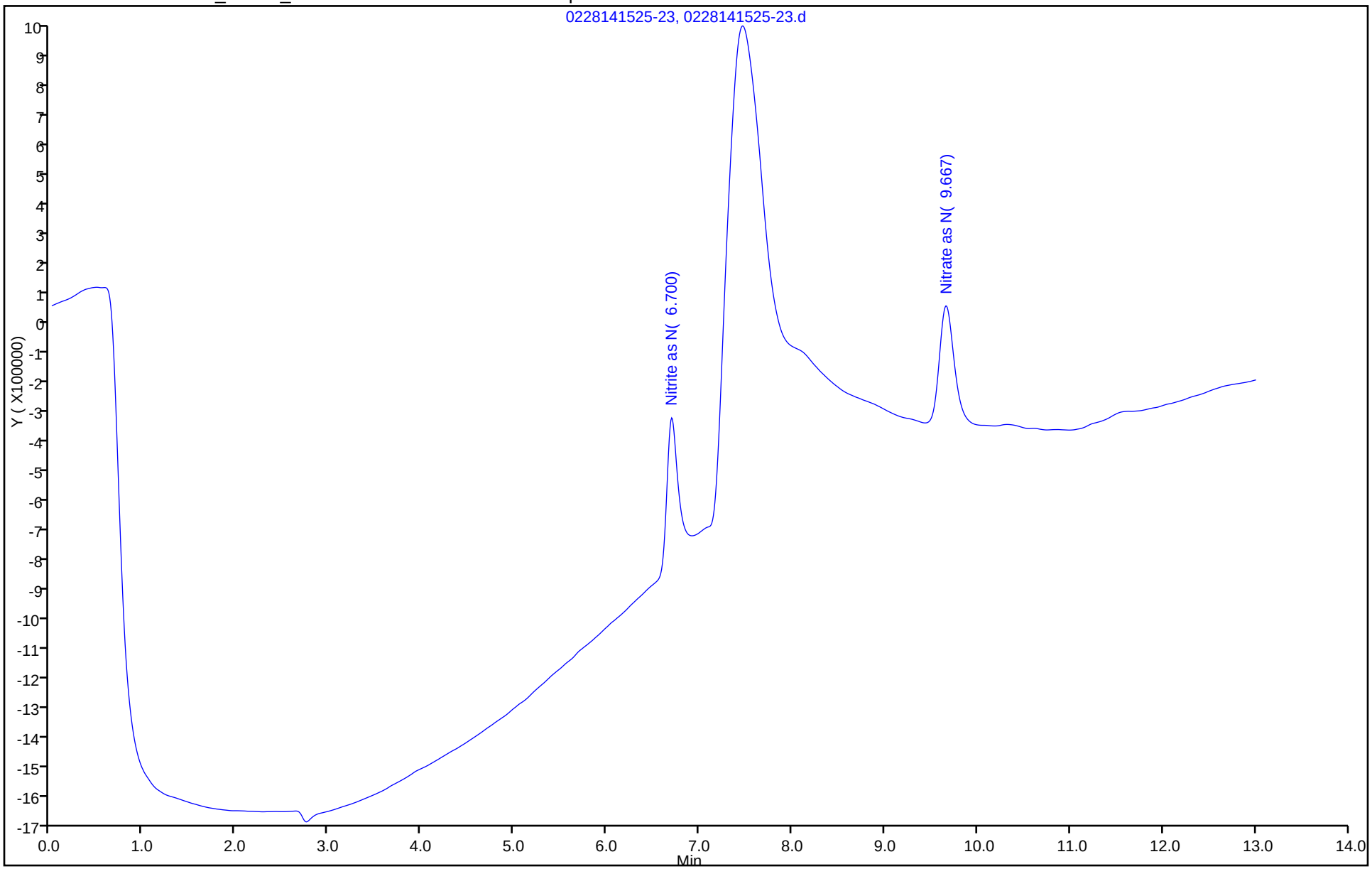
Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141525-23.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	2		
Inject. Date:	28-Feb-2014 15:25:00	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-2 1G022814 Anion				
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

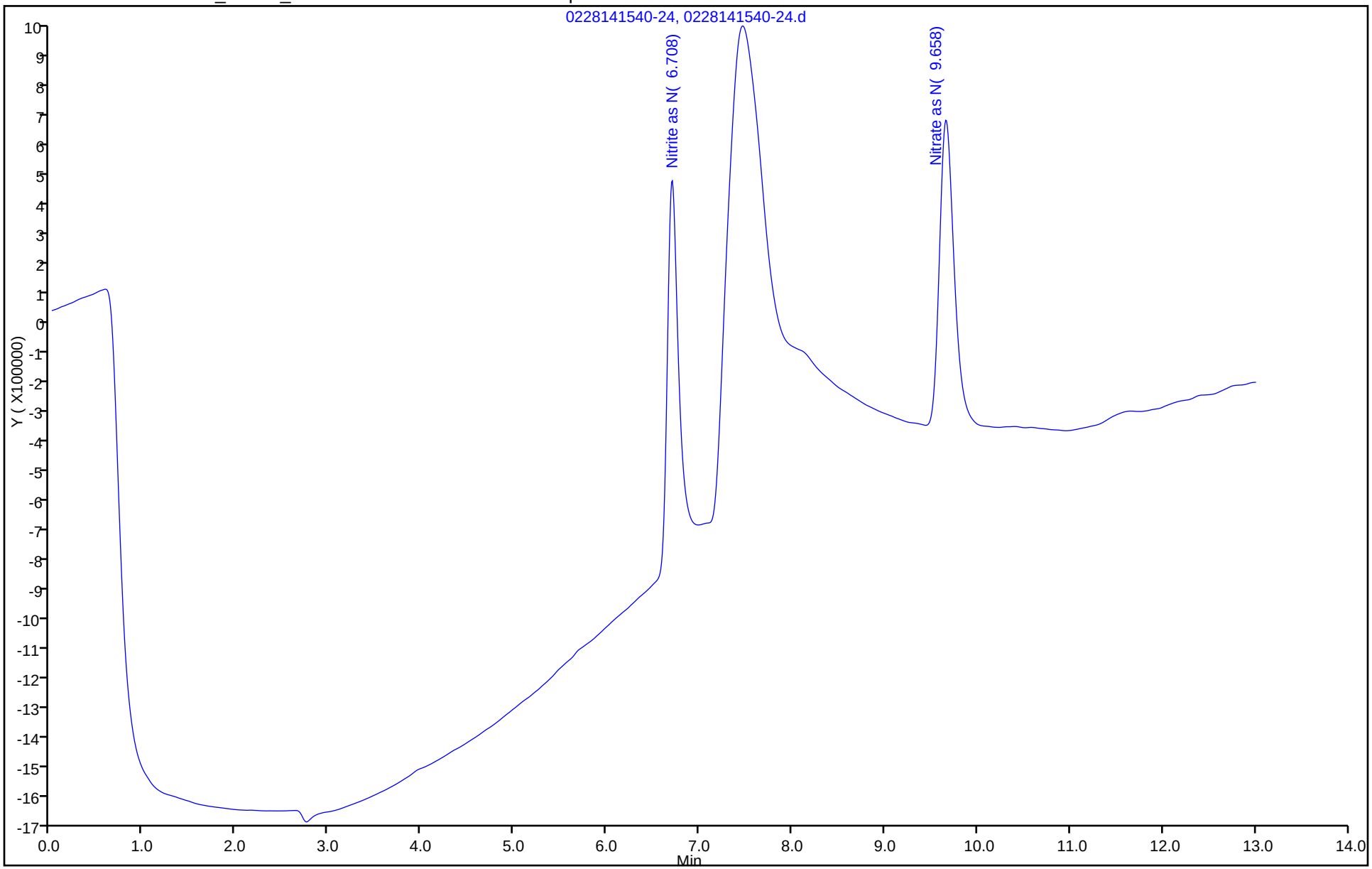
Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141540-24.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	3		
Inject. Date:	28-Feb-2014 15:40:00	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-3 1G022814 Anion				
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

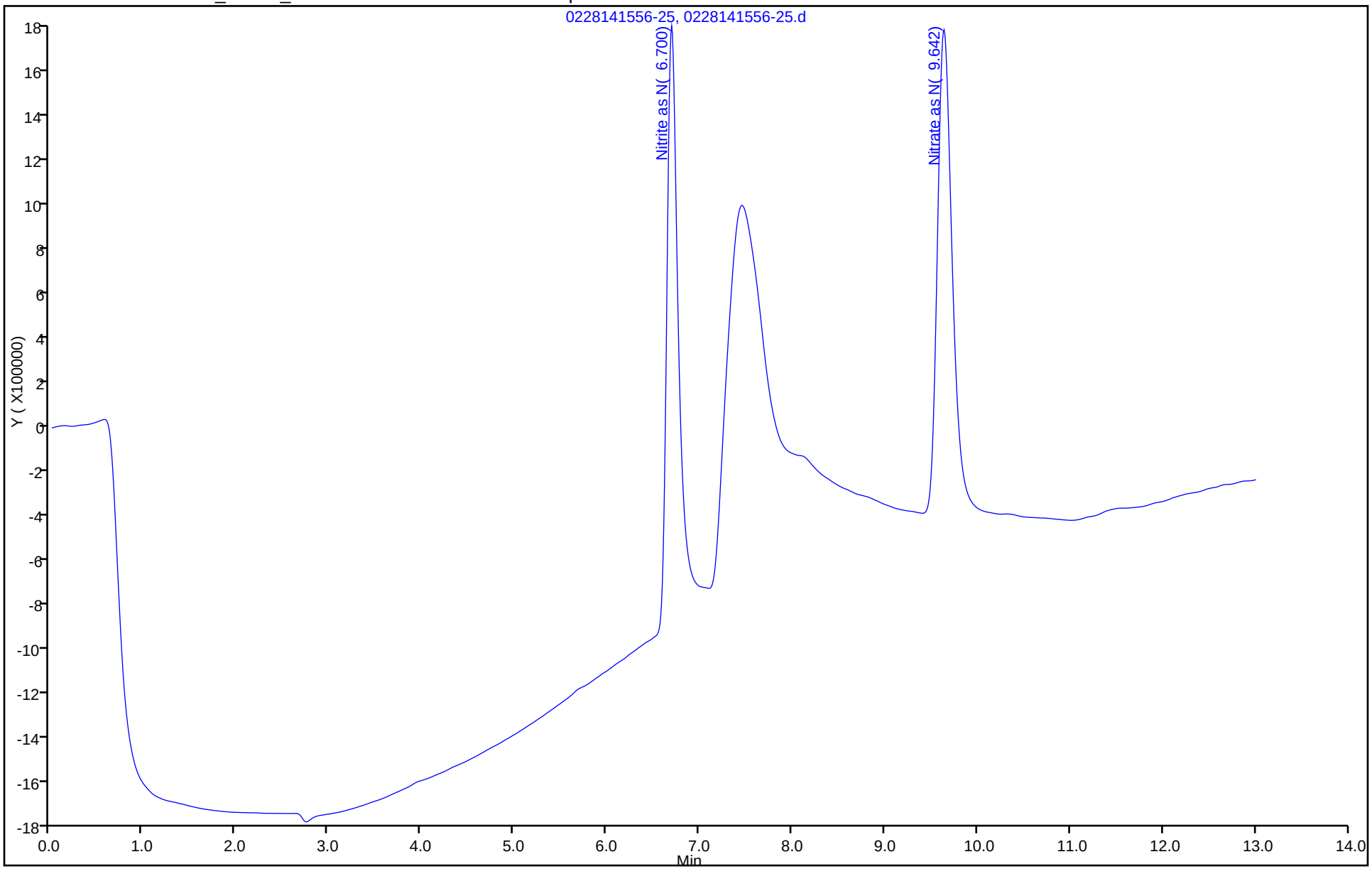
First Level Reviewer: thorntonp Date: 10-Mar-2014 11:59:18

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

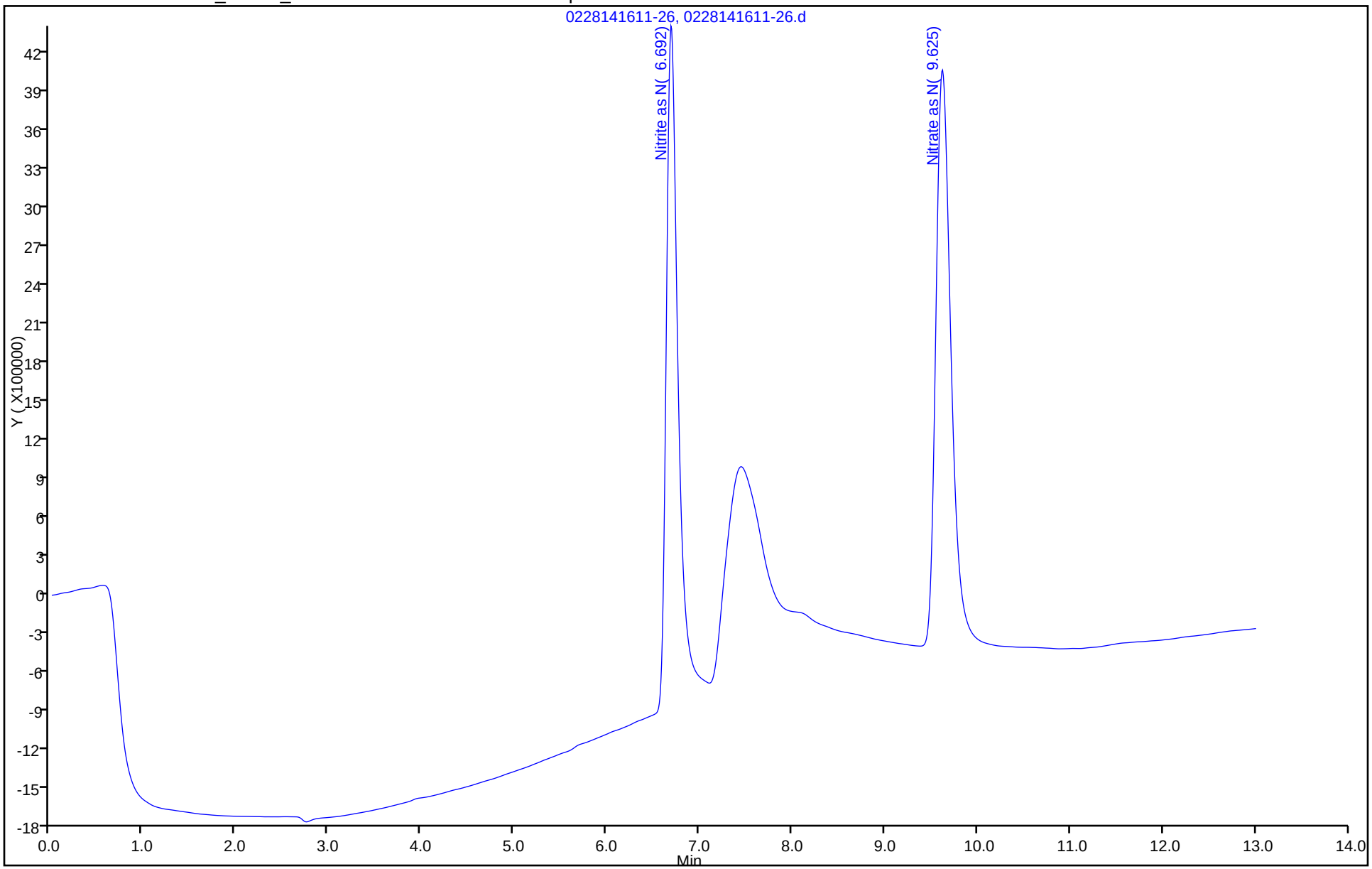
Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141611-26.d				
Lims ID:	IC	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	5		
Inject. Date:	28-Feb-2014 16:11:00	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-5 1G022814 Anion				
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

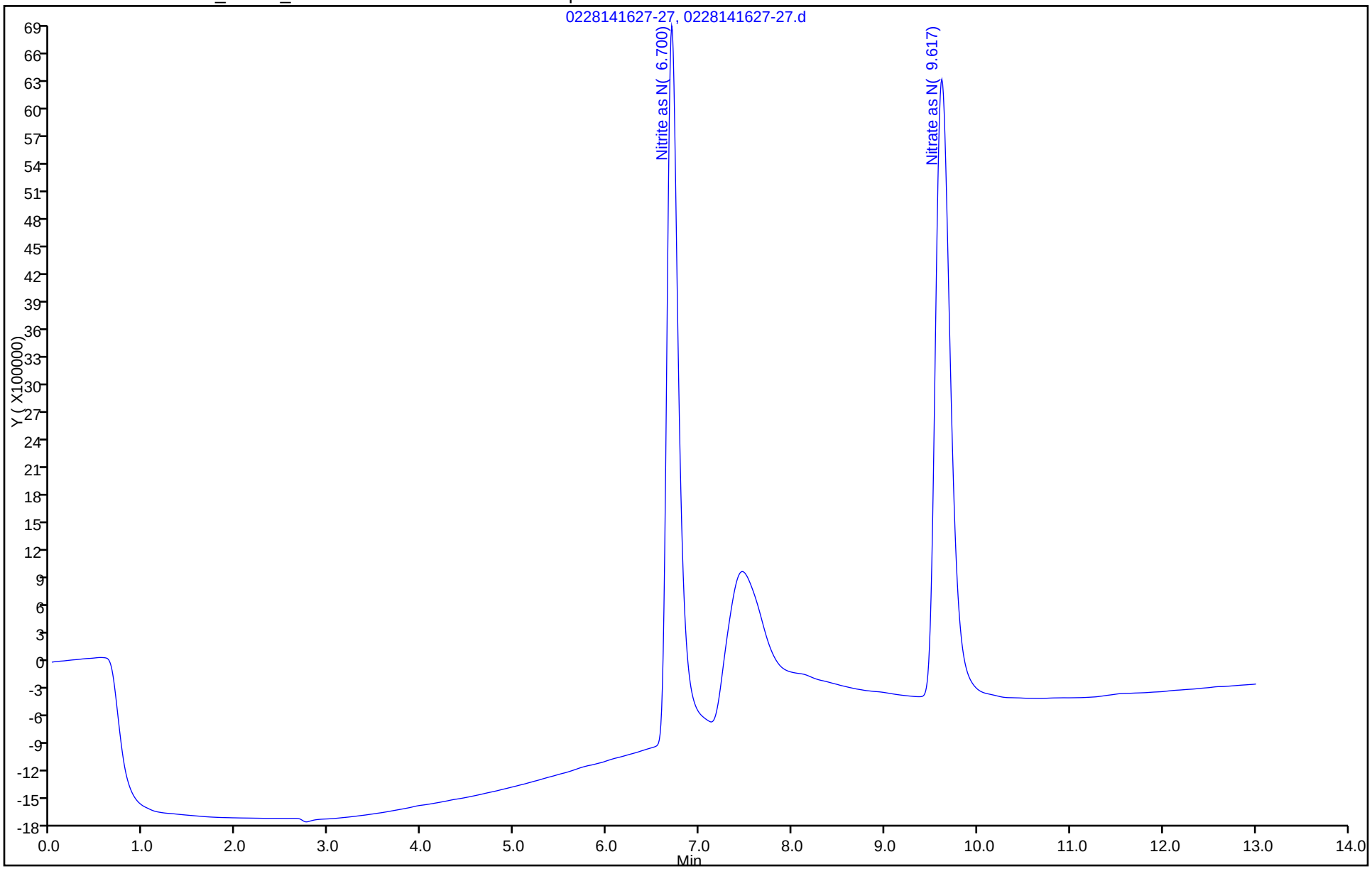
First Level Reviewer: thorntonp Date: 10-Mar-2014 11:58:49

	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

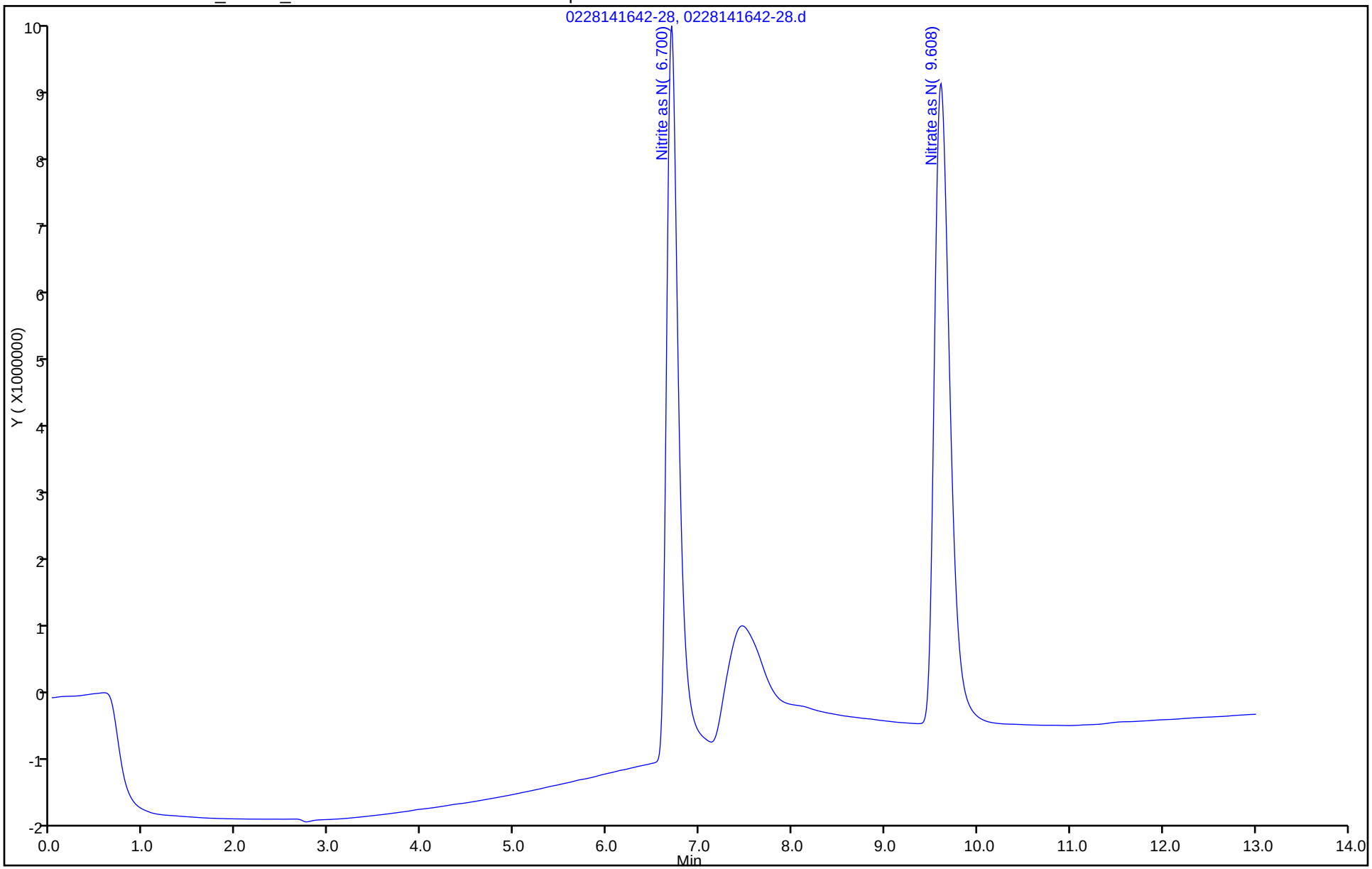
First Level Reviewer: singhv Date: 28-Feb-2014 17:22:56

	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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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

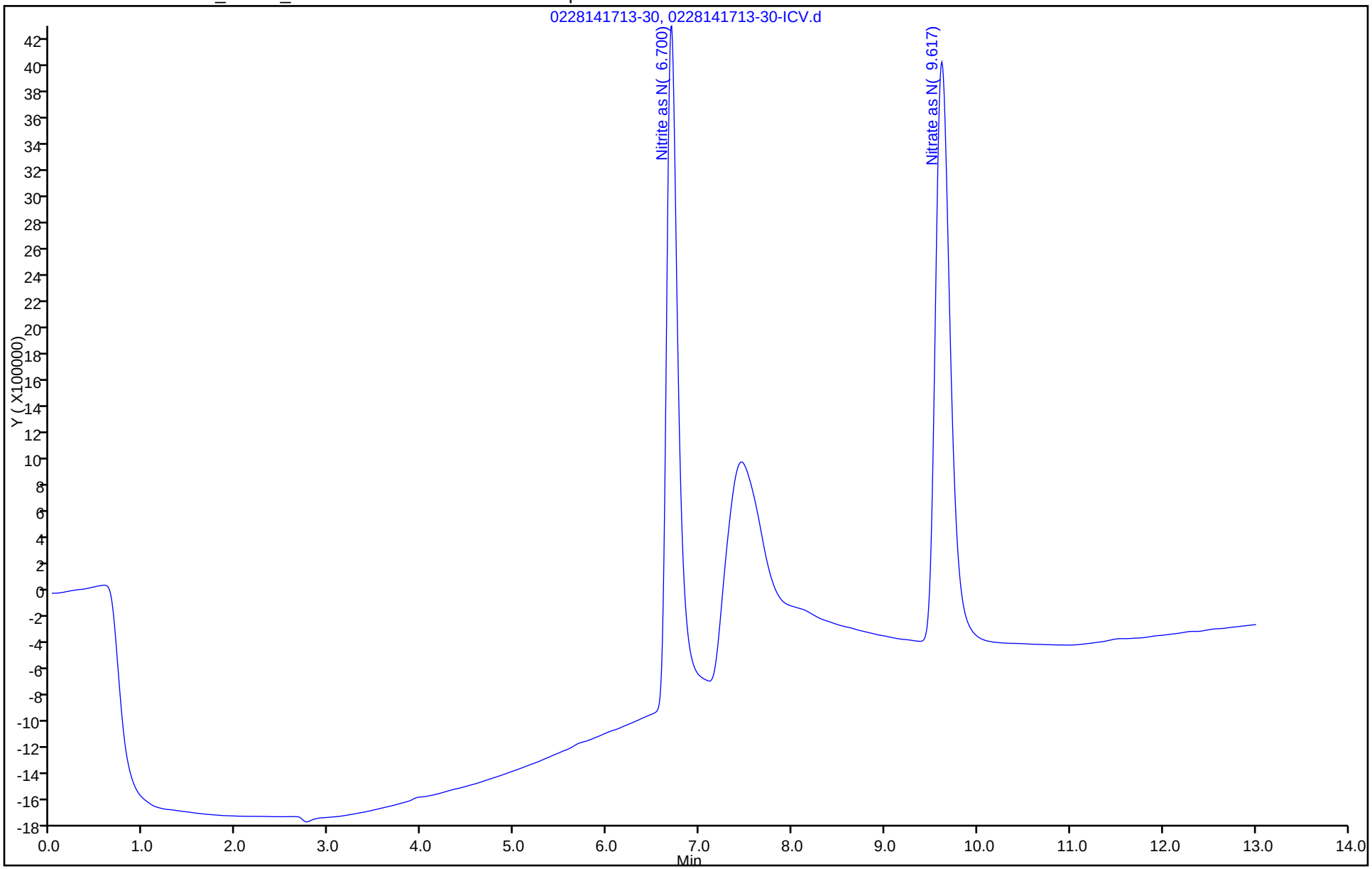
Data File:	\\SAVCHROM\ChromData\CICG\20140228-6812.b\0228141713-30-ICV.d				
Lims ID:	ICV	Lab Sample ID:	LCS 680-317856/10-A		
Client ID:					
Sample Type:	ICV				
Inject. Date:	28-Feb-2014 17:13:00	ALS Bottle#:	0	Worklist Smp#:	1010
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 1G022814 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.: 680-99111-1

SDG No.: 68099111-1

Lab Sample ID: CCV 680-318425/4 Calibration Date: 03/05/2014 10:08

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: 0305141008-4.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		44533612		0.990	1.00	-1.0	10.0
Nitrate as N	Lin2		49330239		0.998	1.00	-0.2	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Lab Sample ID: CCV 680-318425/4 Calibration Date: 03/05/2014 10:08

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: 0305141008-4.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrite as N	6.63	6.38	6.88
Nitrate as N	9.50	9.25	9.75

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141008-4.d
Lims ID: CCV Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 05-Mar-2014 10:08:00 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: N-N-5 1G030514 Anion
Misc. Info.: 4 3473229
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 11:01:39 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

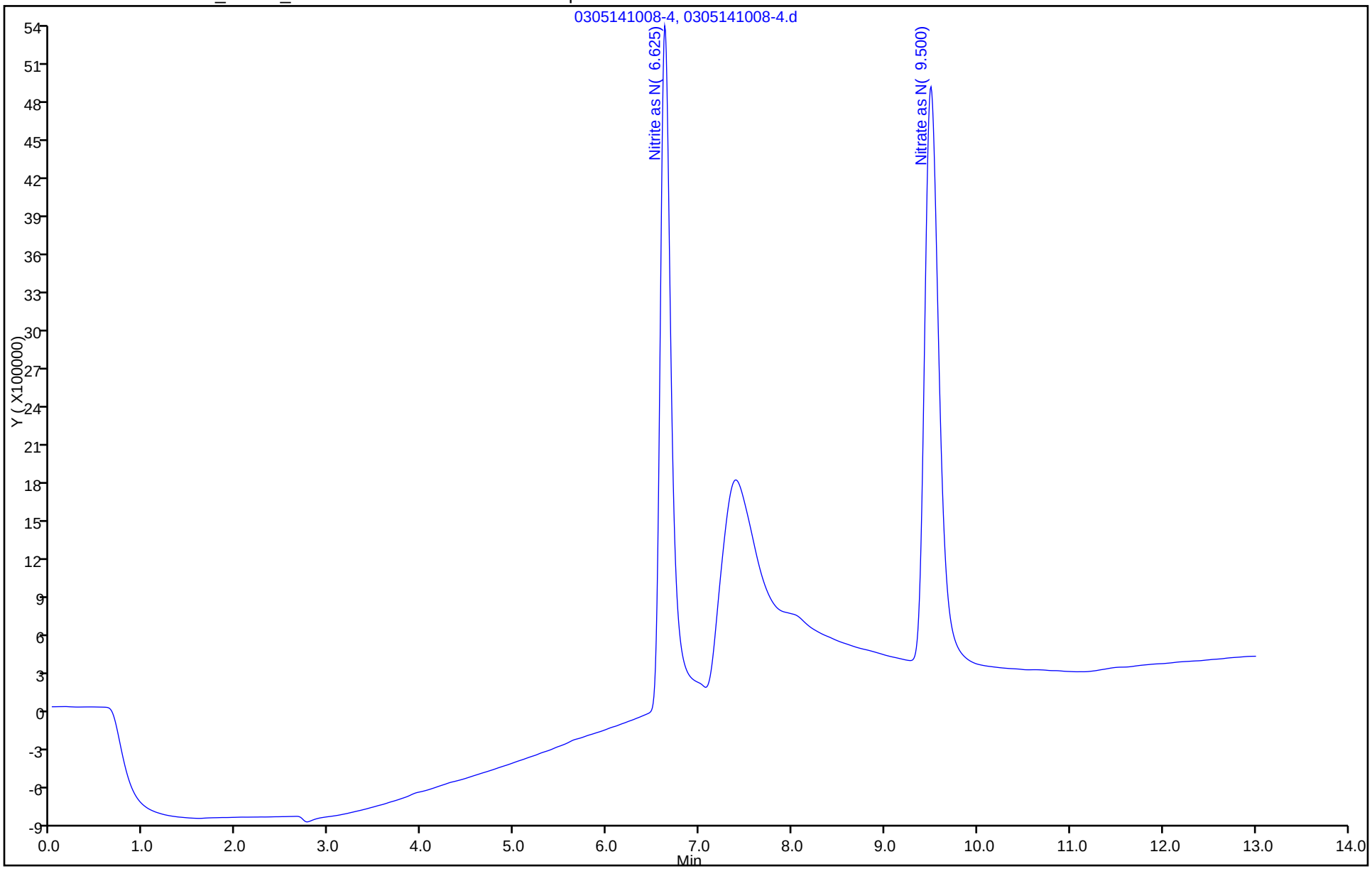
Column 1 : Det: 0423131702-17
Process Host: XAWRK012

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.625	6.625	0.0	44540737	0.9900	
	6 Nitrate as N	9.500	9.500	0.0	49332706	1.00	
S	9 Nitrite as NO2					3.26	
S	10 Nitrate as NO3					4.42	

Report Date: 06-Mar-2014 11:01:39 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141008-4.d				
Injection Date:	05-Mar-2014 10:08:00	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.: 680-99111-1

SDG No.: 68099111-1

Lab Sample ID: CCV 680-318425/19 Calibration Date: 03/05/2014 15:19

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: 0305141519-19.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrite as N	Lin2		45354558		1.01	1.00	0.8	10.0
Nitrate as N	Lin2		47612804		0.964	1.00	-3.6	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Lab Sample ID: CCV 680-318425/19 Calibration Date: 03/05/2014 15:19

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: 0305141519-19.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

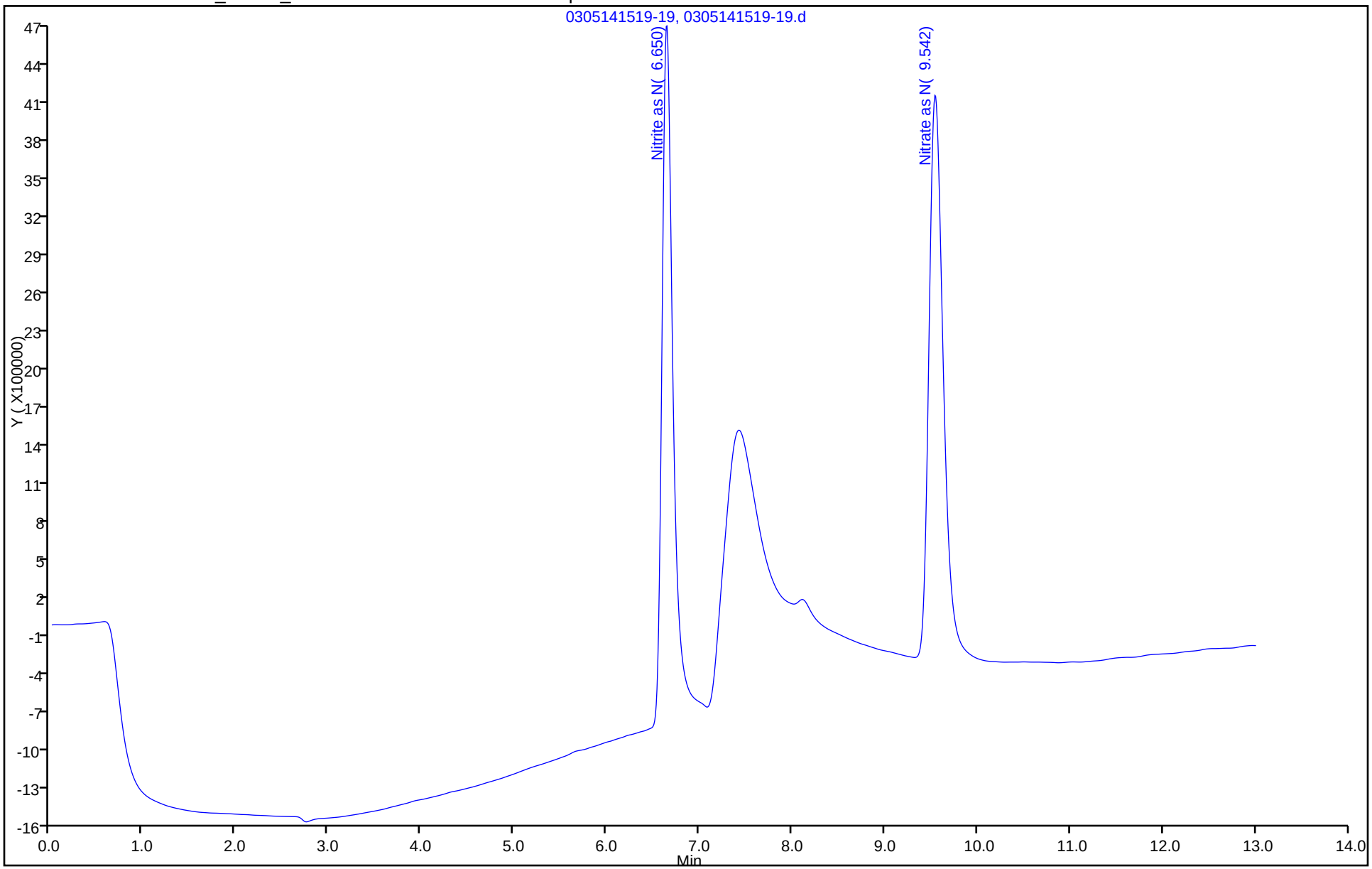
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141519-19.d				
Lims ID:	CCV	Lab Sample ID:			
Client ID:					
Sample Type:	CCV				
Inject. Date:	05-Mar-2014 15:19:00	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-5 1G030514 Anion				
Misc. Info.:	27819				
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 11:01:45	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:	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	45361815	1.01	
	6 Nitrate as N	9.542	9.542	0.0	47615185	0.9642	
S	9 Nitrite as NO2					3.32	
S	10 Nitrate as NO3					4.27	

Report Date: 06-Mar-2014 11:01:45 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141519-19.d				
Injection Date:	05-Mar-2014 15:19:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCV	Lab Sample ID:		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 VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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

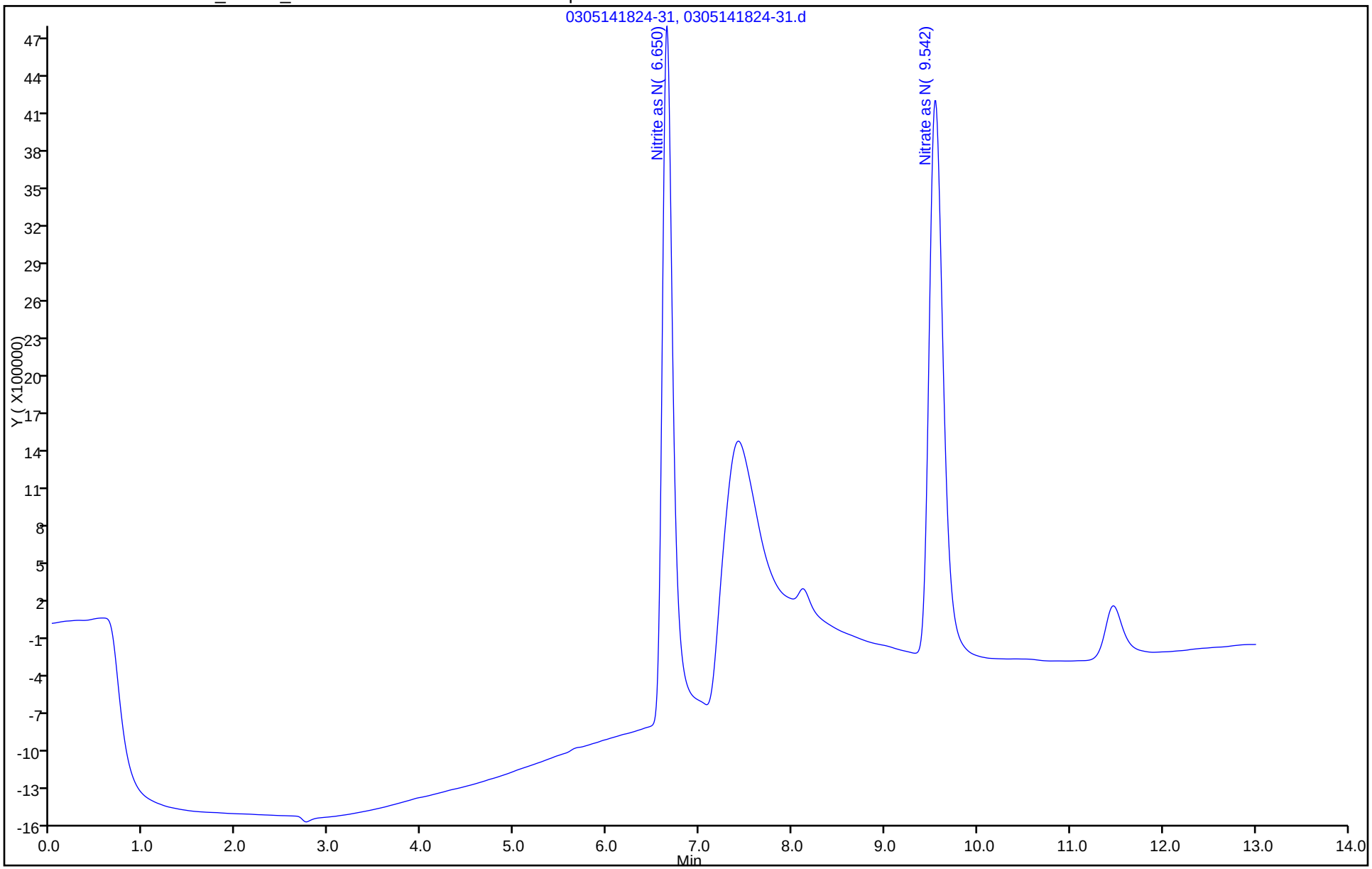
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141824-31.d				
Lims ID:	CCV	Lab Sample ID:			
Client ID:					
Sample Type:	CCV				
Inject. Date:	05-Mar-2014 18:24:00	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	N-N-5 1G030514 Anion				
Misc. Info.:	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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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

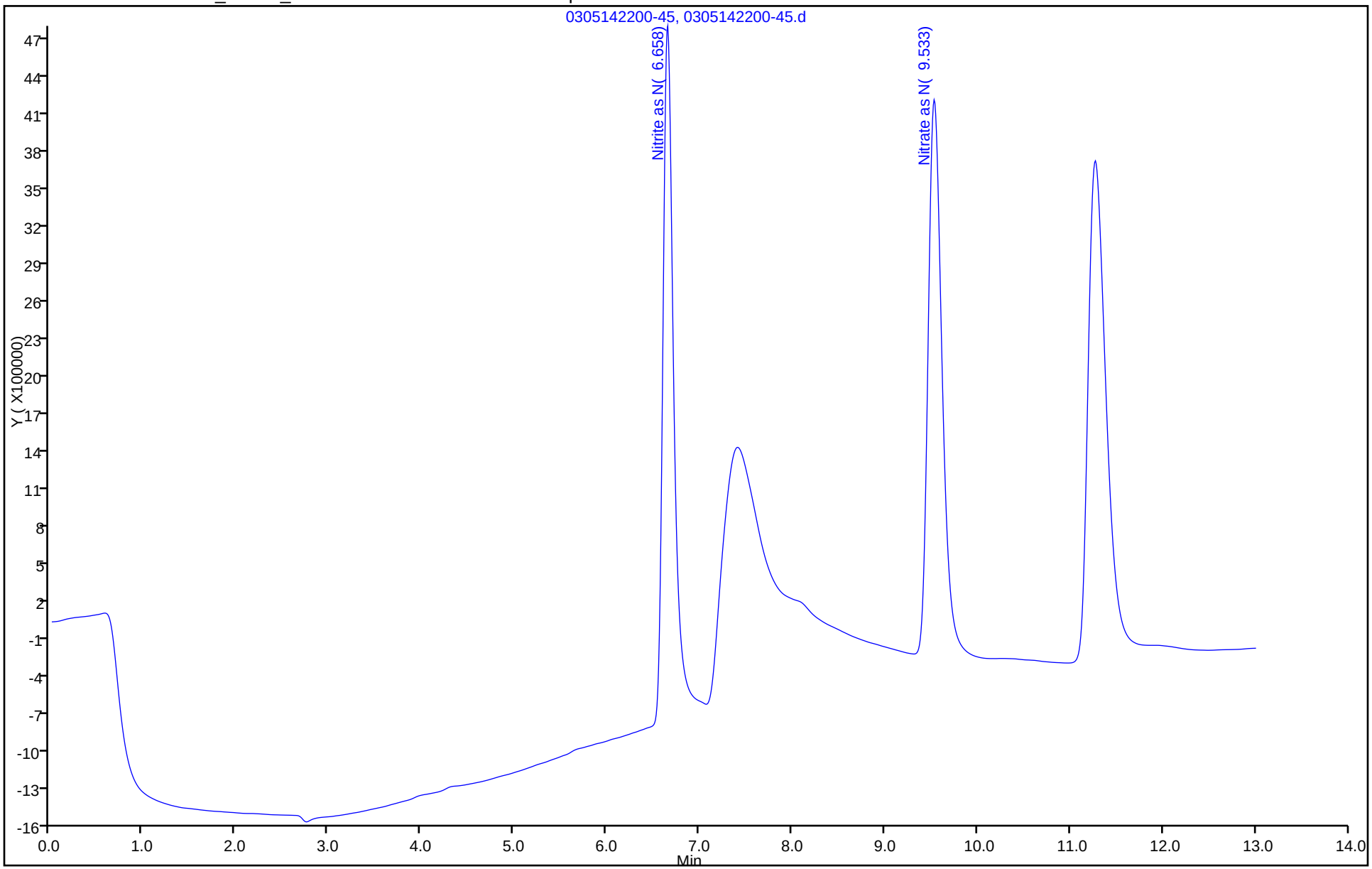
Column 1 : Det: 0423131702-17
Process Host: XAWRK009

	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.: 680-99111-1

SDG No.: 68099111-1

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 RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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

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

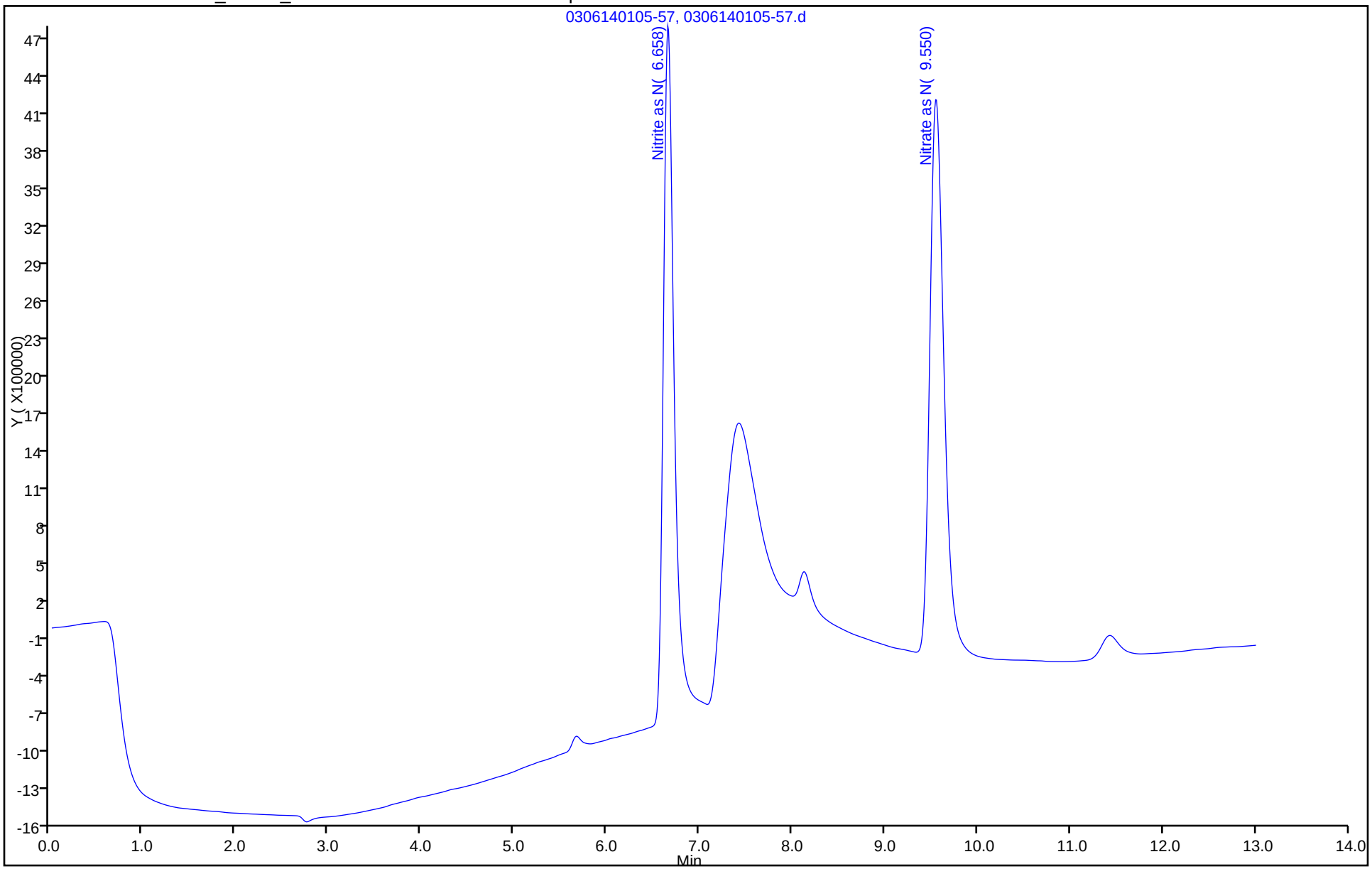
First Level Reviewer: singhv Date: 07-Mar-2014 10:54:19

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		



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID:
Lab Sample ID: MB 680-318425/5
Matrix: Water
Lab File ID: 0305141023-5.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/05/2014 10:23
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.: 318425
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\0305141023-5.d
Lims ID: MB Lab Sample ID: MB 680-318427/5-A
Client ID:
Sample Type: MB
Inject. Date: 05-Mar-2014 10:23:00 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: MB 1G030514 Anion
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 11:01:39 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

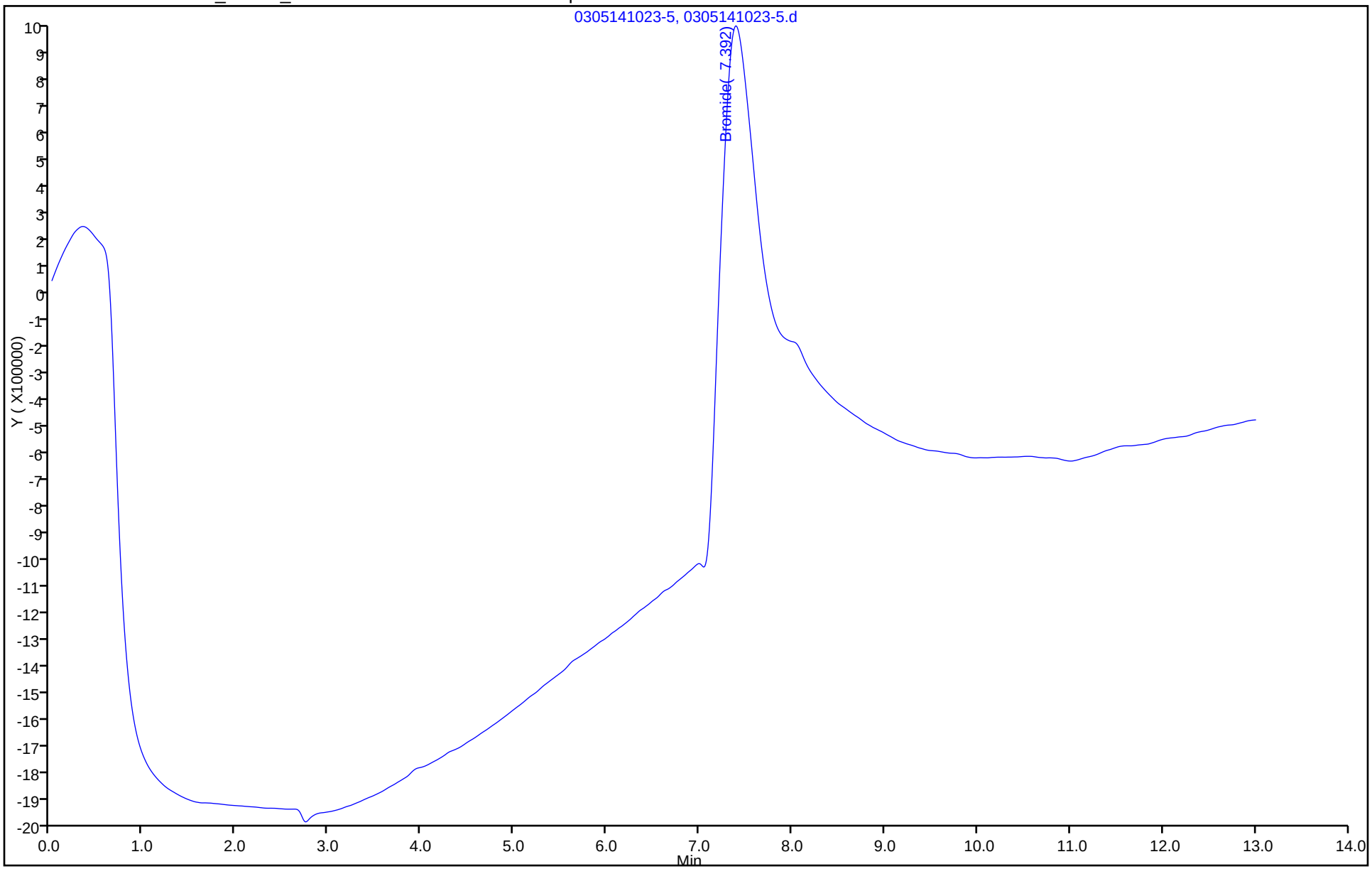
Column 1 : Det: 0423131702-17
Process Host: XAWRK012

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.392	7.367	0.025	41752573	NC	

Report Date: 06-Mar-2014 11:01:39 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141023-5.d				
Injection Date:	05-Mar-2014 10:23:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	MB	Lab Sample ID:	MB 680-318427/5-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.: 680-99111-1
SDG No.: 68099111-1
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

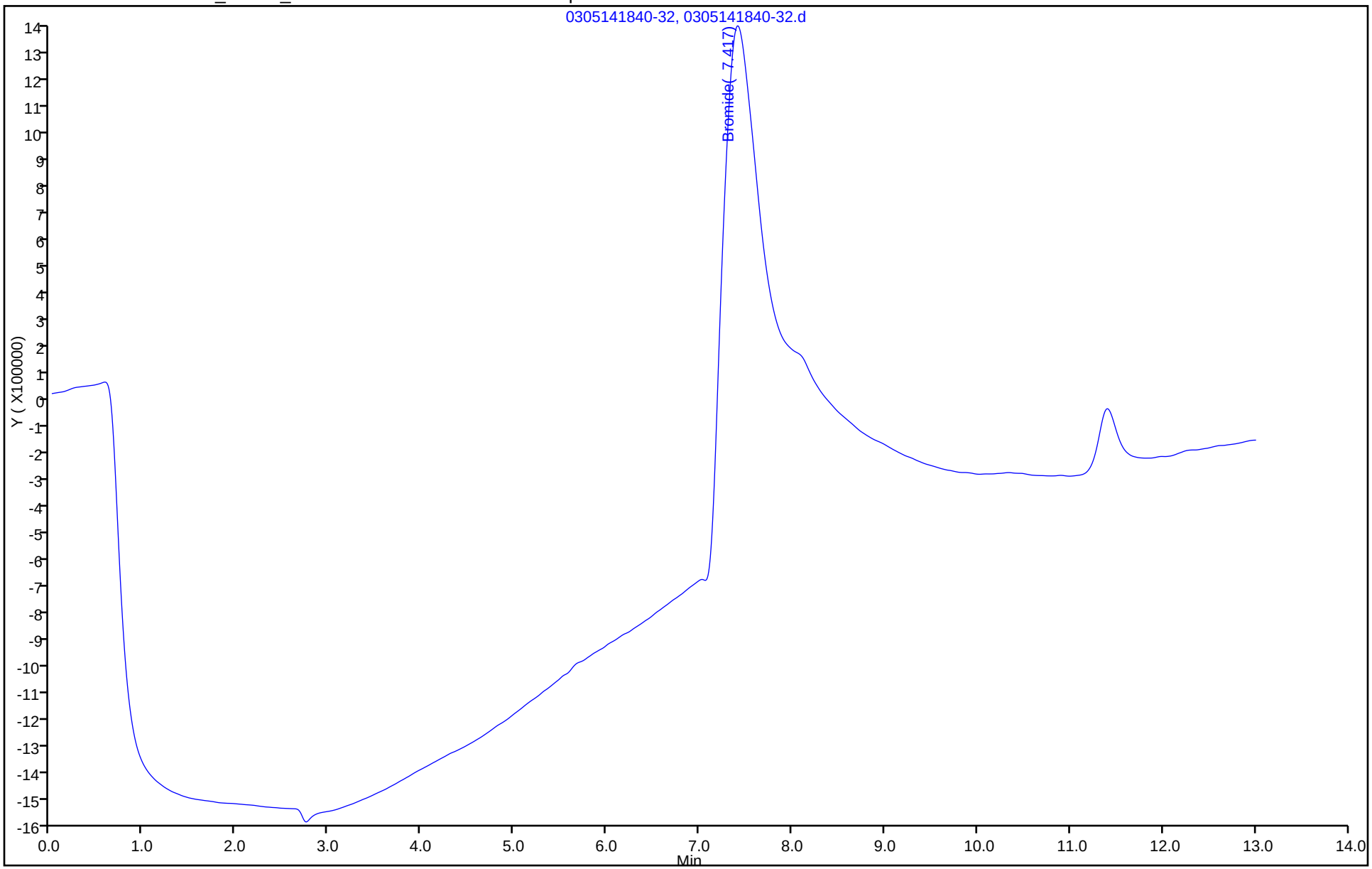
First Level Reviewer: singhv Date: 06-Mar-2014 10:49:11

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.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID:
Lab Sample ID: CCB 680-318425/20
Matrix: Water
Lab File ID: 0305141535-20.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/05/2014 15:35
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.: 318425
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

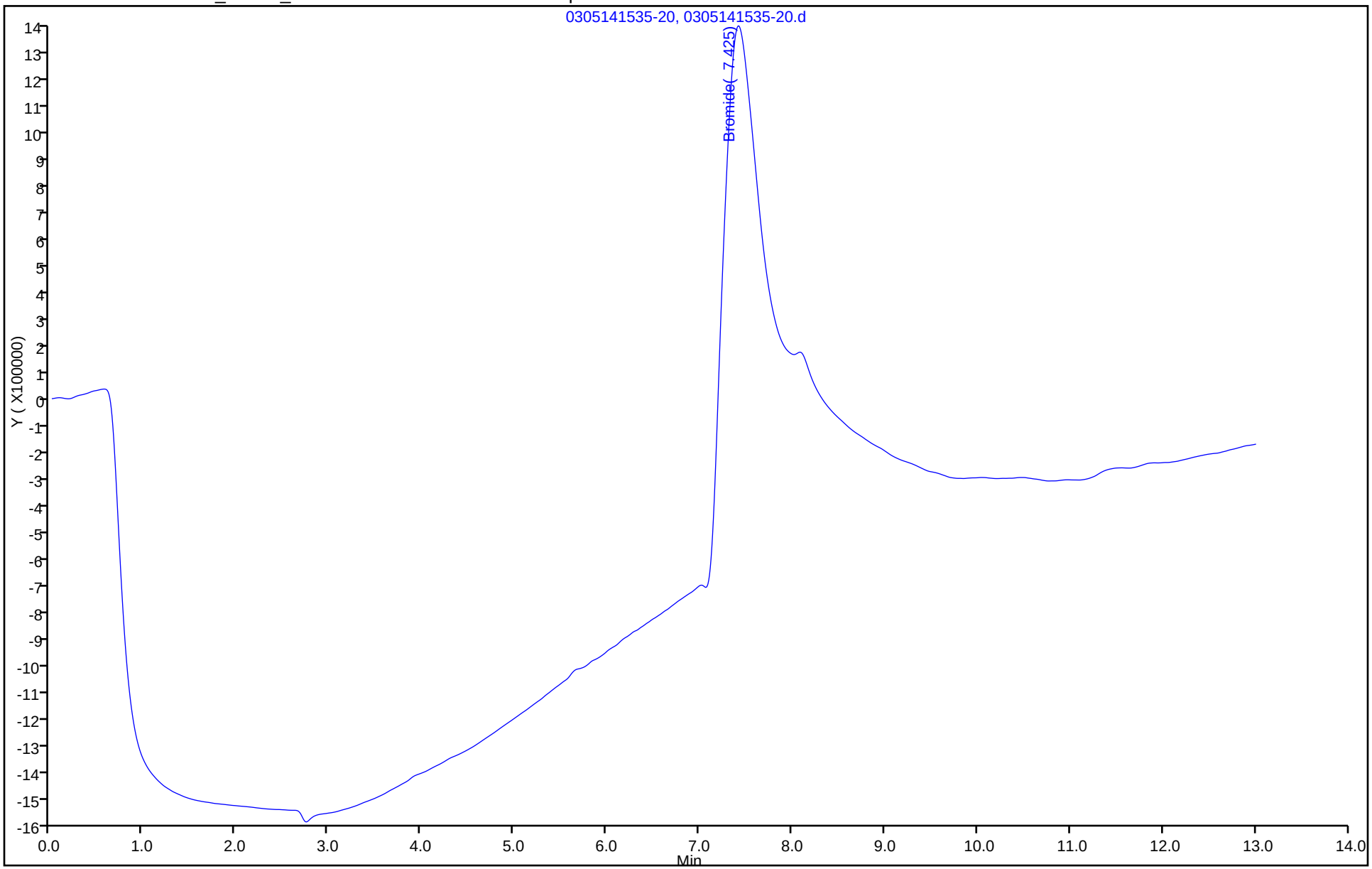
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141535-20.d				
Lims ID:	CCB	Lab Sample ID:	CCB 680-318427/20-A		
Client ID:					
Sample Type:	CCB				
Inject. Date:	05-Mar-2014 15:35:00	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G030514 Anion				
Misc. Info.:	23167				
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 11:01:45	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:	XAWRK012				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
4 Bromide	7.425	7.367	0.058	44749852	NC	

Report Date: 06-Mar-2014 11:01:45 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141535-20.d				
Injection Date:	05-Mar-2014 15:35:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	CCB	Lab Sample ID:	CCB 680-318427/20-A	Worklist Smp#:	20
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.: 680-99111-1
SDG No.: 68099111-1
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

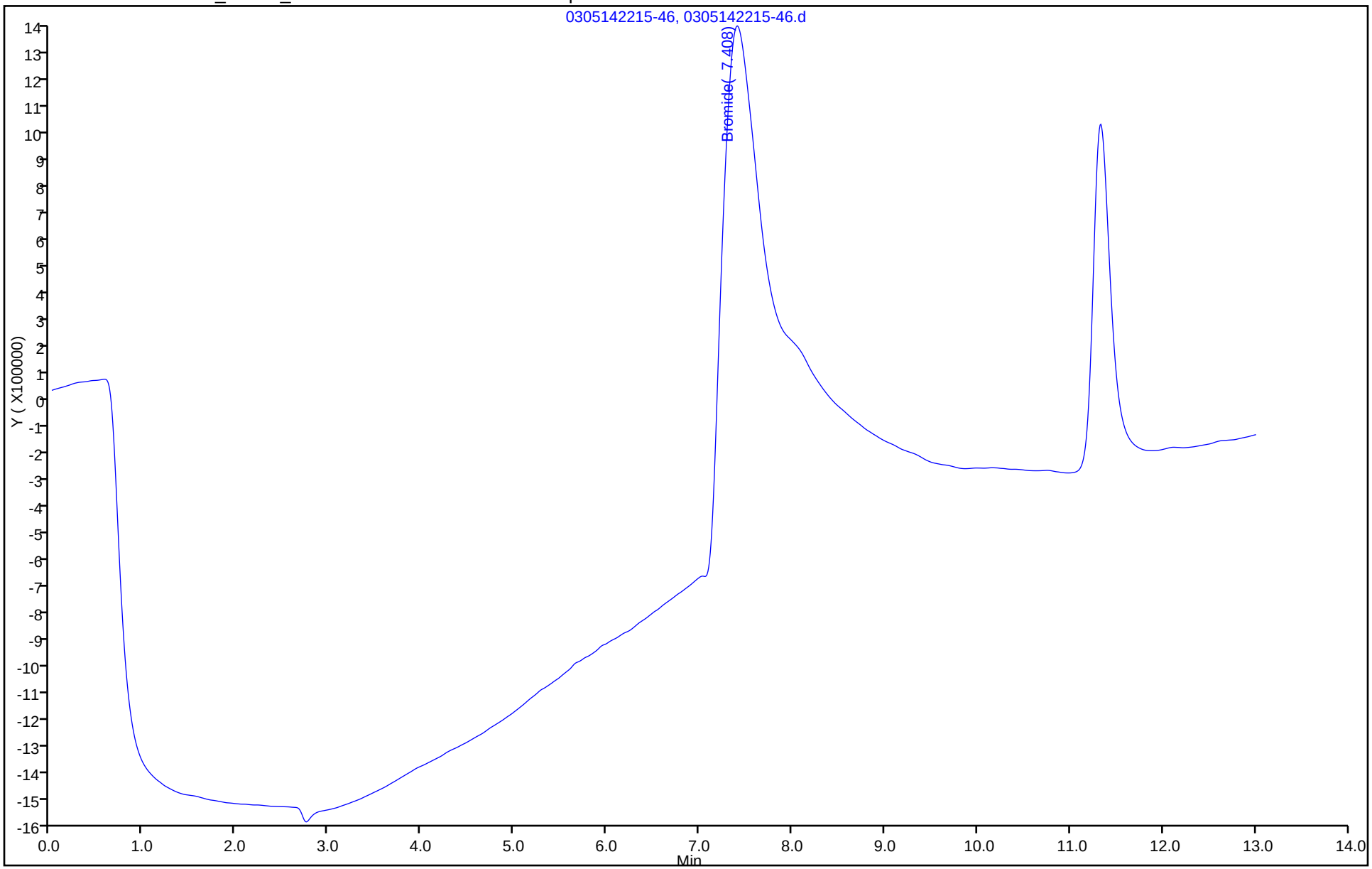
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305142215-46.d				
Lims ID:	CCB	Lab Sample ID:	CCB 680-318427/46-A		
Client ID:					
Sample Type:	CCB				
Inject. Date:	05-Mar-2014 22:15:00	ALS Bottle#:	0	Worklist Smp#:	46
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G030514 Anion				
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.: 680-99111-1
SDG No.: 68099111-1
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

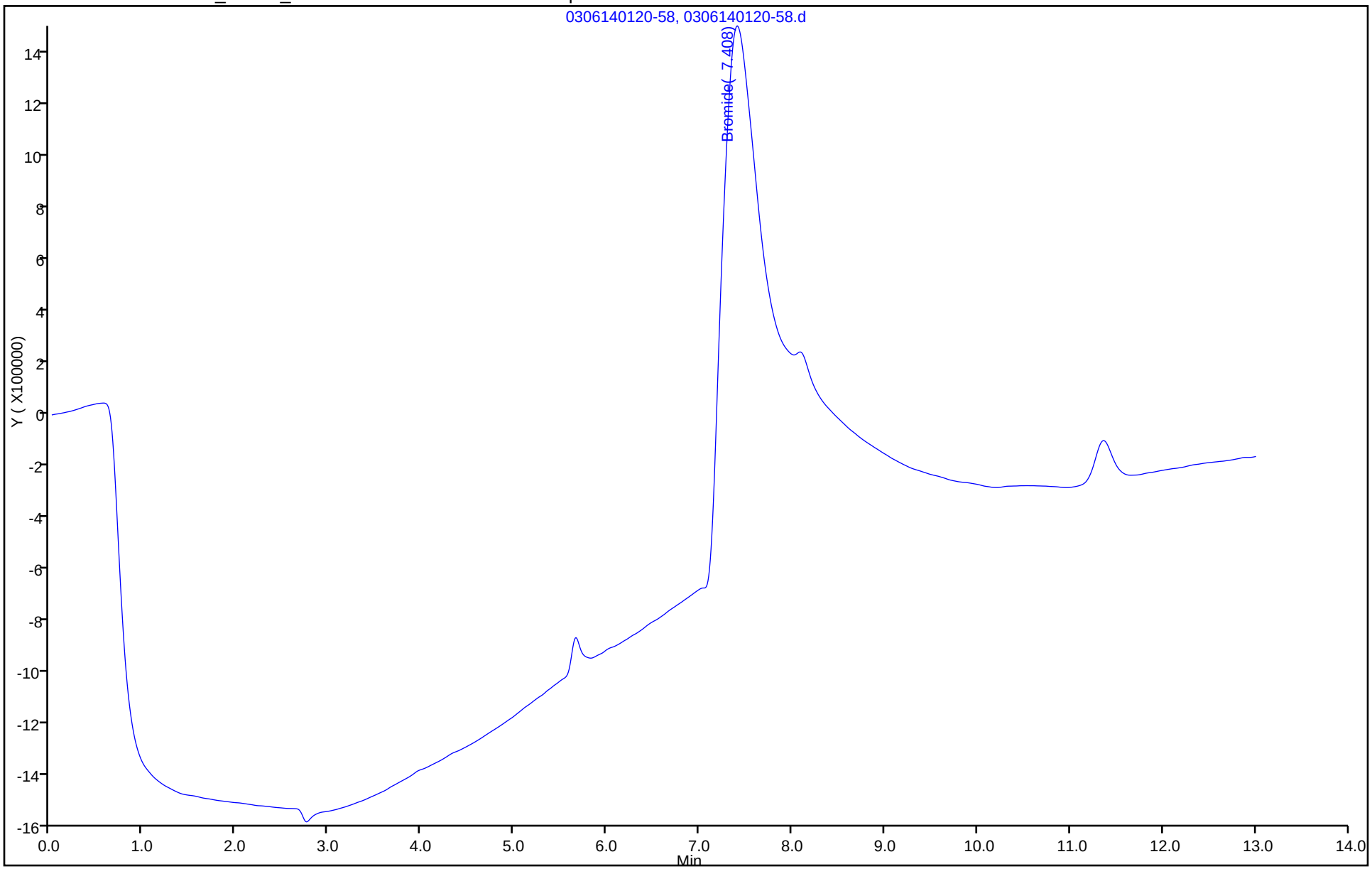
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0306140120-58.d				
Lims ID:	CCB	Lab Sample ID:	CCB 680-318427/58-A		
Client ID:					
Sample Type:	CCB				
Inject. Date:	06-Mar-2014 01:20:00	ALS Bottle#:	0	Worklist Smp#:	58
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	CCB 1G030514 Anion				
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.: 680-99111-1
SDG No.: 68099111-1
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

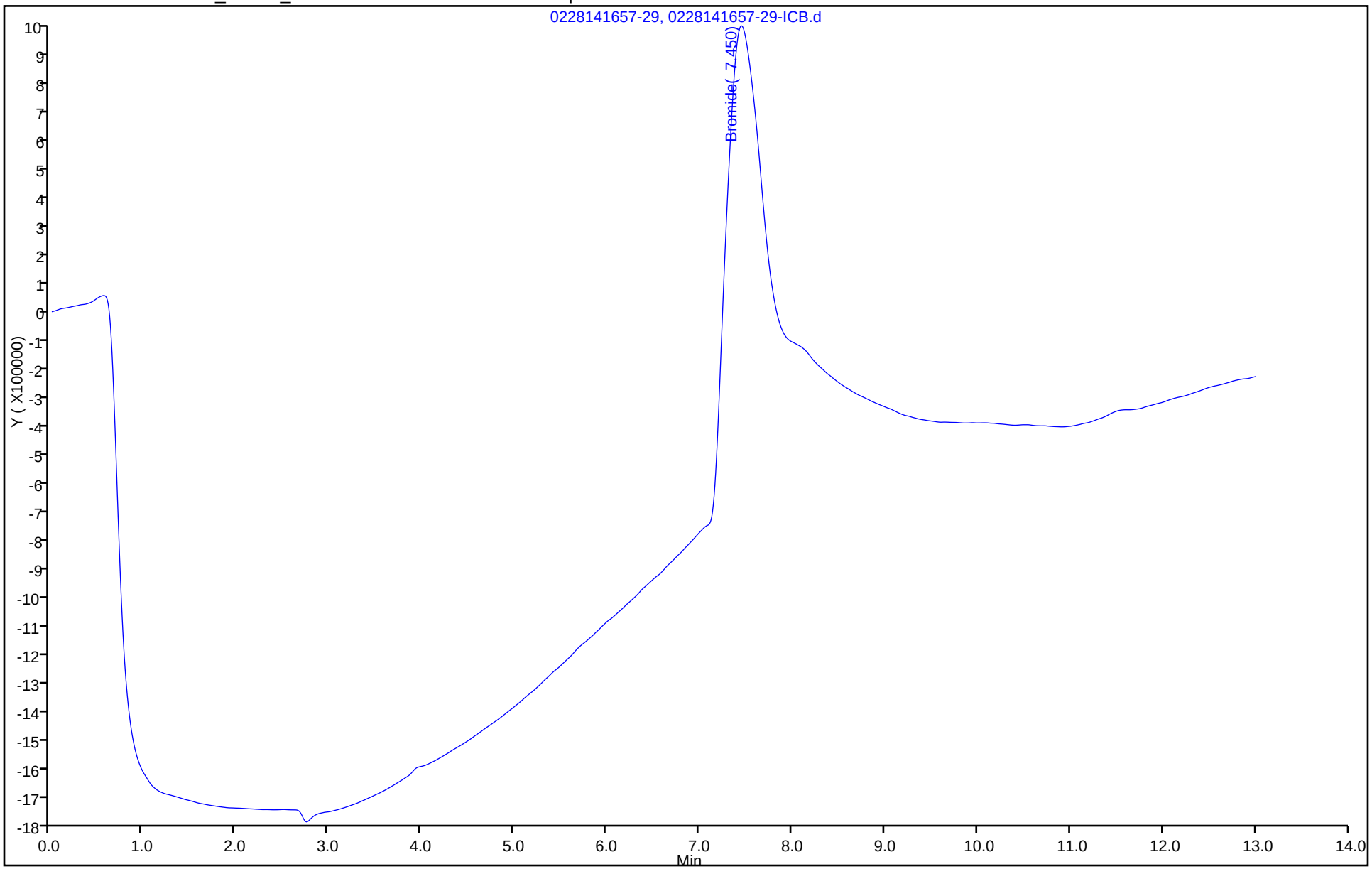
Column 1 : Det: 0423131702-17
Process Host: XAWRK011

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.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID:
Lab Sample ID: LCS 680-318425/6
Matrix: Water
Lab File ID: 0305141039-6.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/05/2014 10:39
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.: 318425
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.32		0.17	0.082
STL00672	Nitrate as NO3	4.33		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141039-6.d
Lims ID: LCS Lab Sample ID: LCS 680-318427/6-A
Client ID:
Sample Type: LCS
Inject. Date: 05-Mar-2014 10:39:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCS 1G030514 Anion
Misc. Info.: 6 3473235
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 11:01:39 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

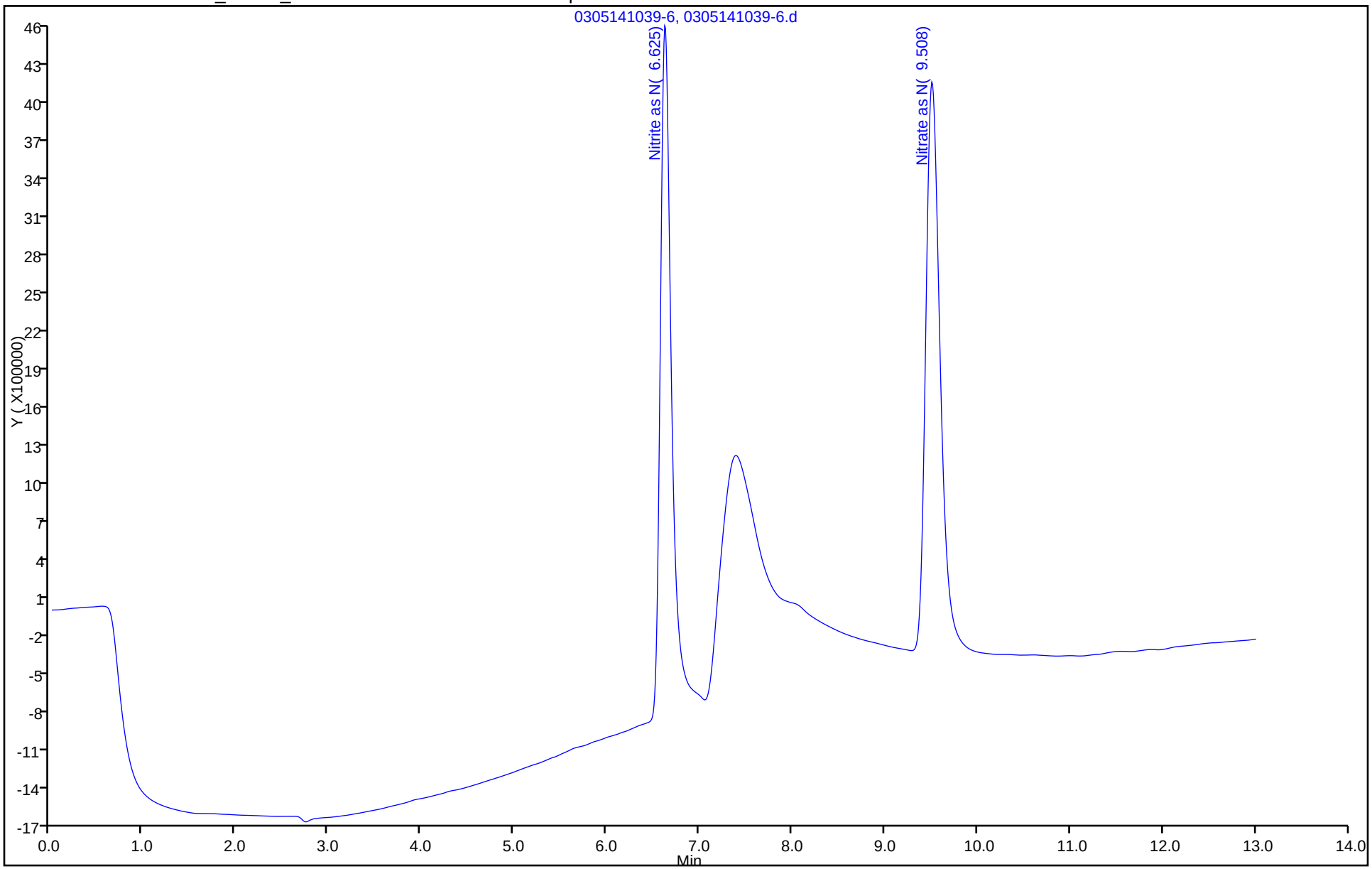
Column 1 : Det: 0423131702-17
Process Host: XAWRK012

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.625	6.625	0.0	45465907	1.01	
	6 Nitrate as N	9.508	9.500	0.008	48357791	0.9790	
S	9 Nitrite as NO2					3.32	
S	10 Nitrate as NO3					4.33	

Report Date: 06-Mar-2014 11:01:40 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141039-6.d				
Injection Date:	05-Mar-2014 10:39:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	LCS	Lab Sample ID:	LCS 680-318427/6-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.: 680-99111-1
SDG No.: 68099111-1
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

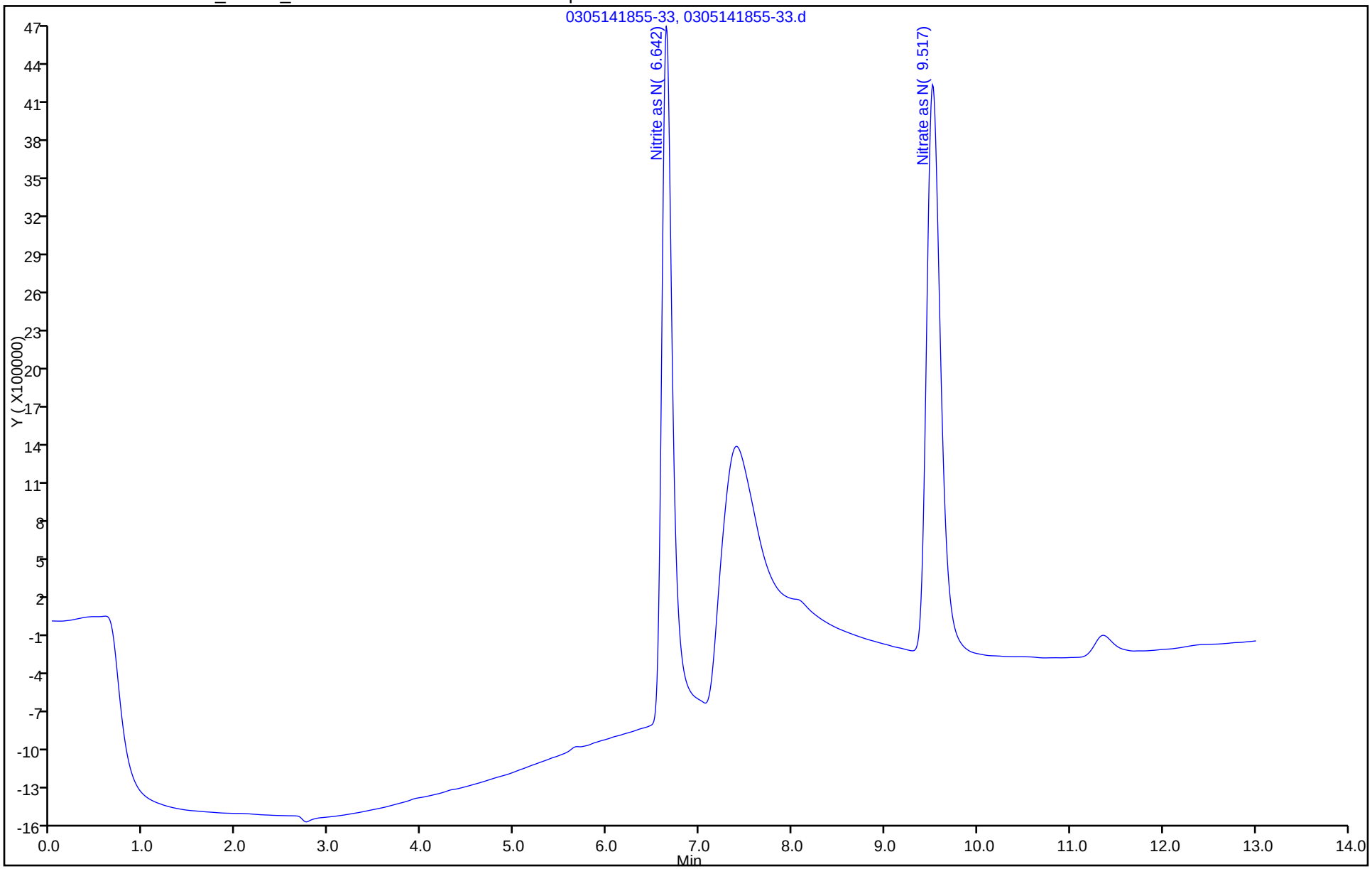
First Level Reviewer: singhv Date: 06-Mar-2014 11:01:37

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.: 680-99111-1
SDG No.: 68099111-1
Client Sample ID:
Lab Sample ID: LCSD 680-318425/7
Matrix: Water
Lab File ID: 0305141054-7.d
Analysis Method: 300.0
Date Collected:
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 03/05/2014 10:54
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.: 318425
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	3.32		0.17	0.082
STL00672	Nitrate as NO3	4.34		0.22	0.11

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141054-7.d
Lims ID: LCSD Lab Sample ID: LCSD 680-318427/7-A
Client ID:
Sample Type: LCSD
Inject. Date: 05-Mar-2014 10:54:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 25.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 1G030514 Anion
Misc. Info.: 7 3473235
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 11:01:39 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

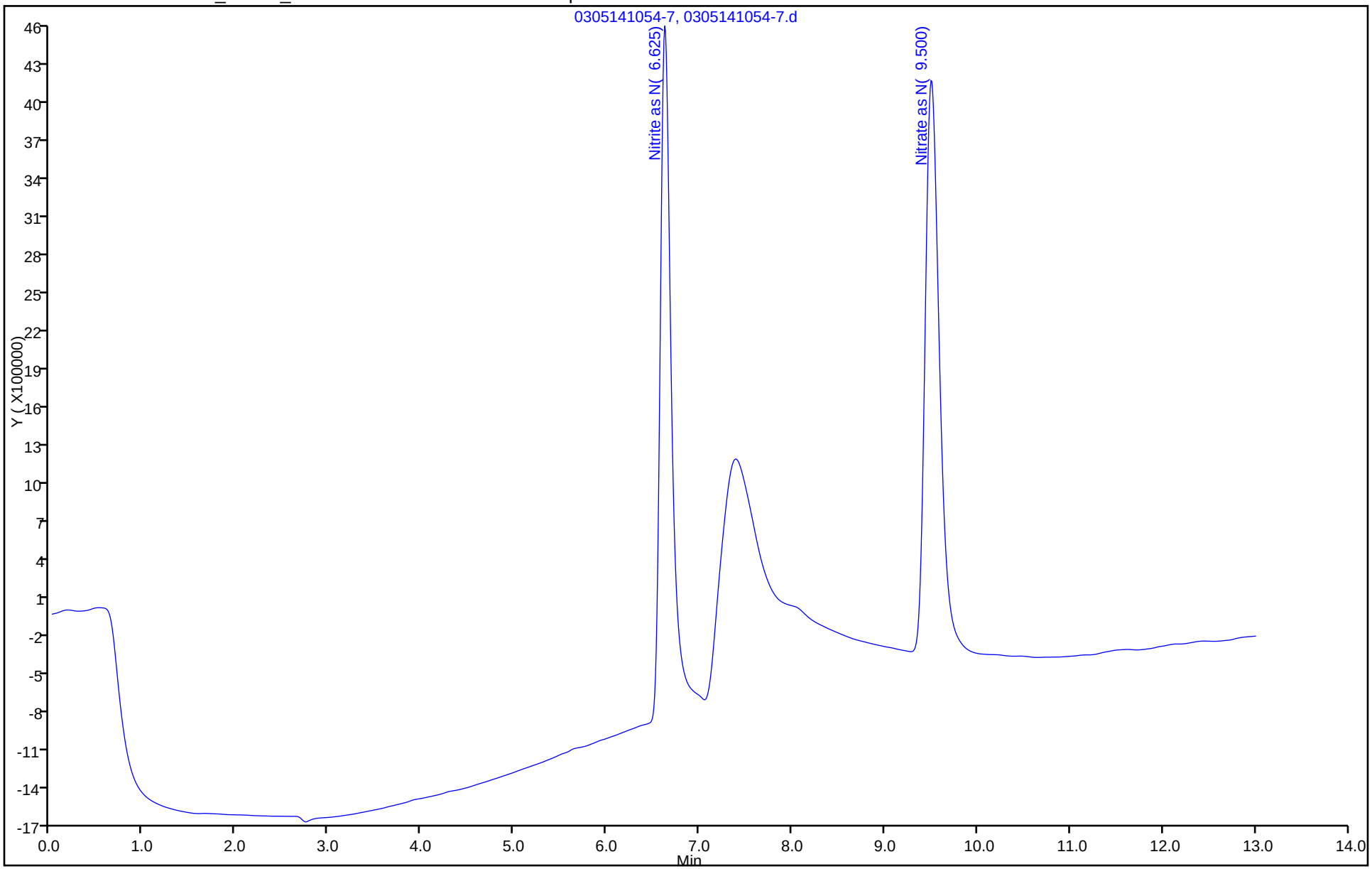
Column 1 : Det: 0423131702-17
Process Host: XAWRK012

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.625	6.625	0.0	45344385	1.01	
	6 Nitrate as N	9.500	9.500	0.0	48390447	0.9797	
S	9 Nitrite as NO2					3.32	
S	10 Nitrate as NO3					4.34	

Report Date: 06-Mar-2014 11:01:40 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141054-7.d				
Injection Date:	05-Mar-2014 10:54:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	LCSD	Lab Sample ID:	LCSD 680-318427/7-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.: 680-99111-1
SDG No.: 68099111-1
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

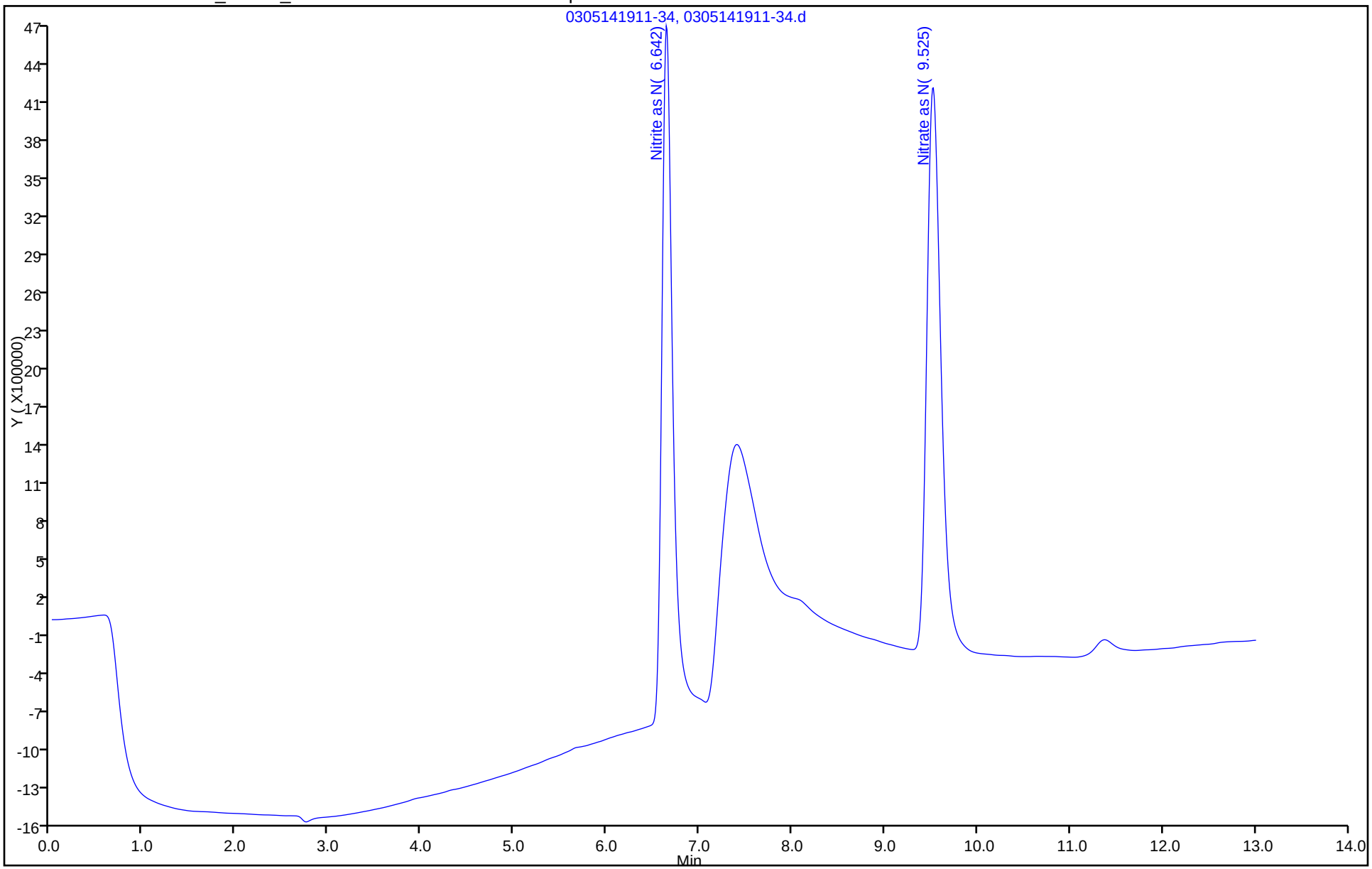
Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141911-34.d				
Lims ID:	LCSD	Lab Sample ID:	LCSD 680-318427/34-A		
Client ID:					
Sample Type:	LCSD				
Inject. Date:	05-Mar-2014 19:11:00	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	25.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 1G030514 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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW09 SPRING MS Lab Sample ID: 680-99111-7 MS

Matrix: Water Lab File ID: 0305141433-16.d

Analysis Method: 300.0 Date Collected: 03/03/2014 15:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/05/2014 14:33

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.: 318425 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	6.57		0.34	0.16
STL00672	Nitrate as NO3	12.4		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141433-16.d
Lims ID: 680-99111-F-7 MS Lab Sample ID: 680-99111-7
Client ID:
Sample Type: MS
Inject. Date: 05-Mar-2014 14:33:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 25.0 ul Dil. Factor: 2.0000
Sample Info: 680-99111-F-7 MS 1G030514 Anion
Misc. Info.: 29146
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 11:01:39 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

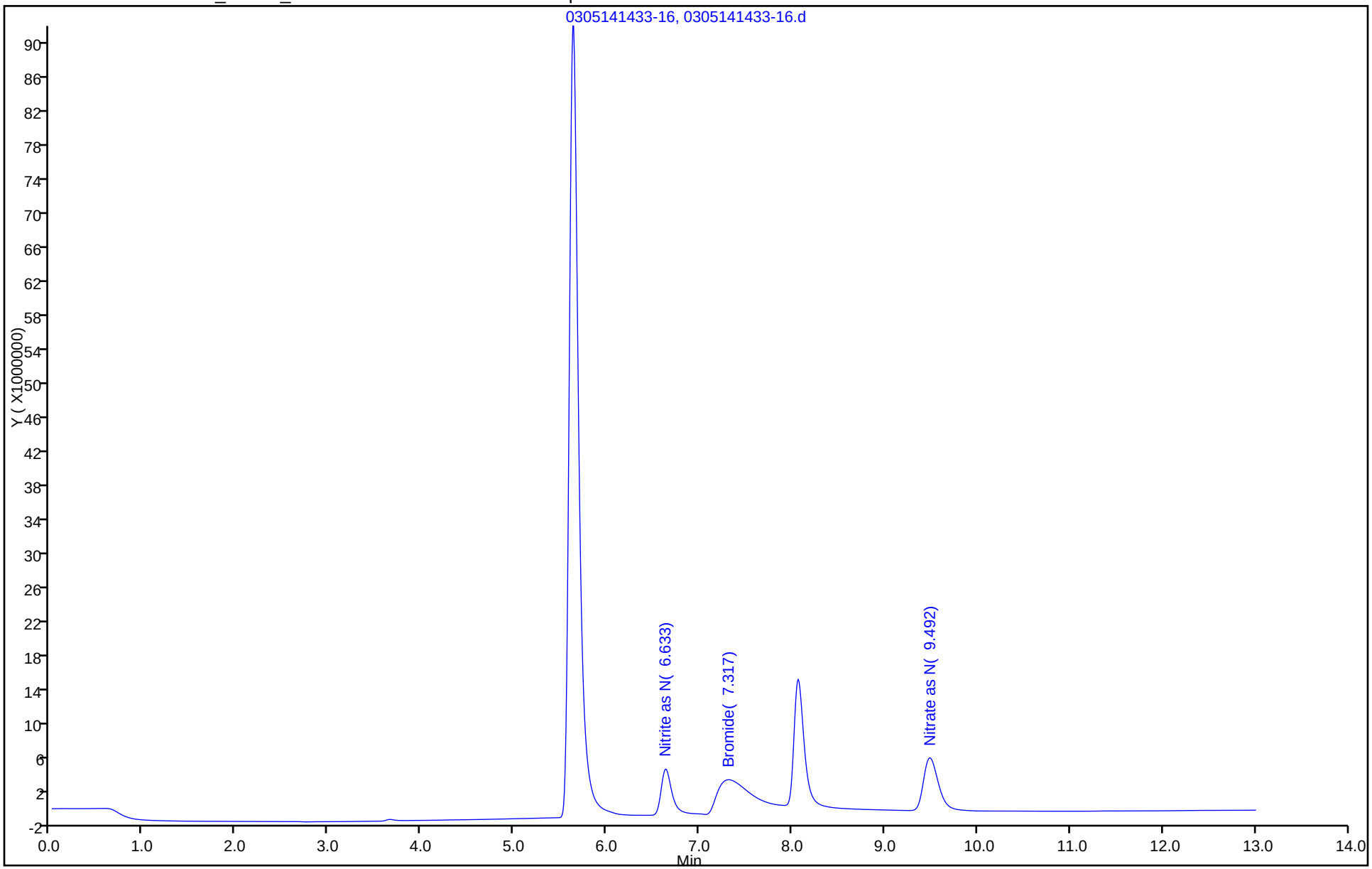
Column 1 : Det: 0423131702-17
Process Host: XAWRK012

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.633	6.625	0.008	44920866	1.00	
	4 Bromide	7.317	7.367	-0.050	87262929	NC	
	6 Nitrate as N	9.492	9.500	-0.008	69307972	1.40	
S	9 Nitrite as NO2					3.28	
S	10 Nitrate as NO3					6.19	

Report Date: 06-Mar-2014 11:01:44 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141433-16.d				
Injection Date:	05-Mar-2014 14:33:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99111-F-7 MS	Lab Sample ID:	680-99111-7	Worklist Smp#:	16
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.: 680-99111-1

SDG No.: 68099111-1

Client Sample ID: SMSSW09 SPRING MSD Lab Sample ID: 680-99111-7 MSD

Matrix: Water Lab File ID: 0305141449-17.d

Analysis Method: 300.0 Date Collected: 03/03/2014 15:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 03/05/2014 14:49

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.: 318425 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00673	Nitrite as NO2	6.58		0.34	0.16
STL00672	Nitrate as NO3	12.4		0.44	0.22

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141449-17.d
Lims ID: 680-99111-F-7 MSD Lab Sample ID: 680-99111-7
Client ID:
Sample Type: MSD
Inject. Date: 05-Mar-2014 14:49:00 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 25.0 ul Dil. Factor: 2.0000
Sample Info: 680-99111-F-7 MSD 1G030514 Anion
Misc. Info.: 5371
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 11:01:39 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

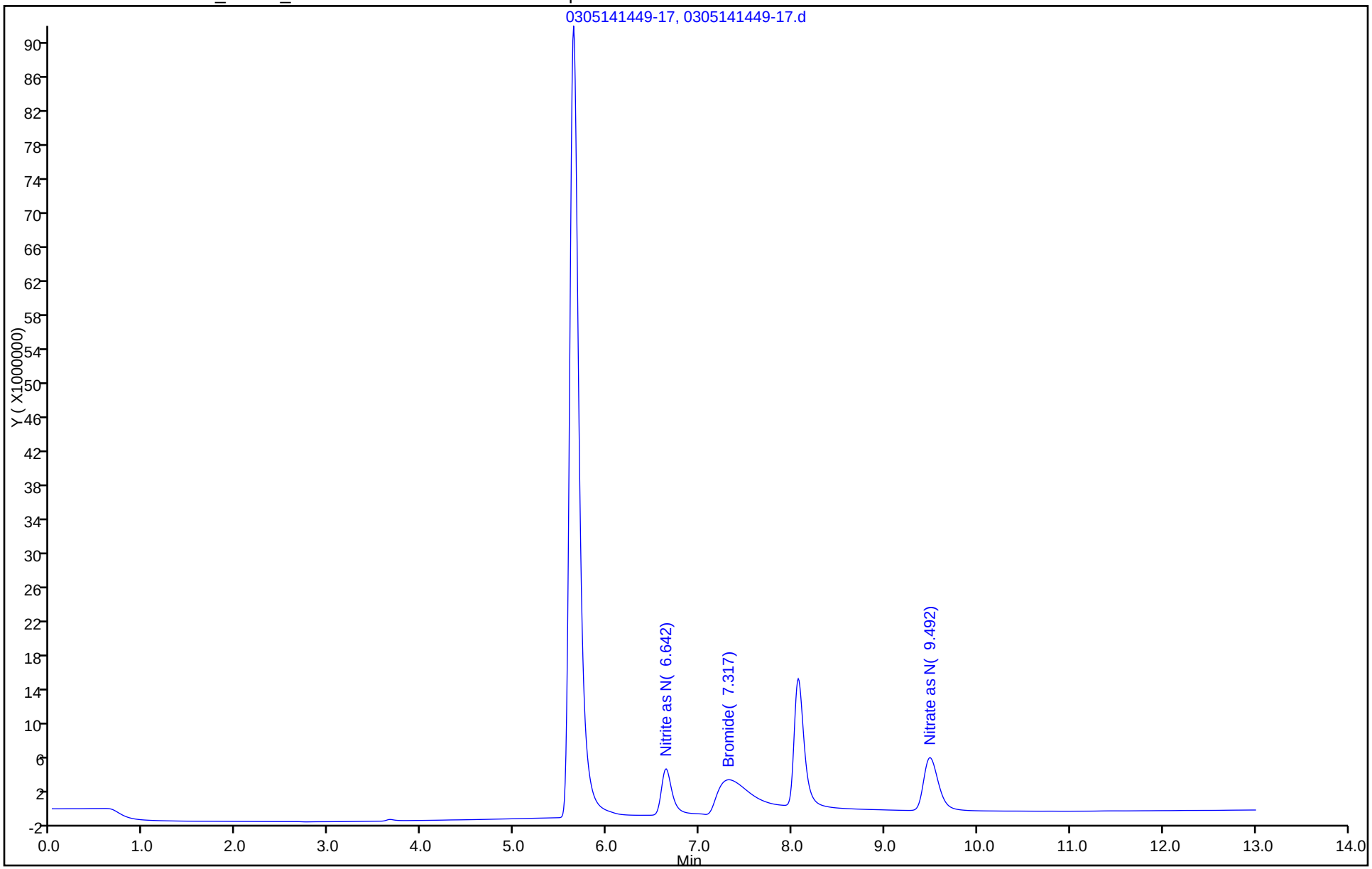
Column 1 : Det: 0423131702-17
Process Host: XAWRK012

	Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ug/ml	Flags
	5 Nitrite as N	6.642	6.625	0.017	45012057	1.00	
	4 Bromide	7.317	7.367	-0.050	86948859	NC	
	6 Nitrate as N	9.492	9.500	-0.008	69318804	1.40	
S	9 Nitrite as NO2					3.29	
S	10 Nitrate as NO3					6.19	

Report Date: 06-Mar-2014 11:01:44 Chrom Revision: 2.1 04-Feb-2014 11:46:32

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CICG\20140305-6925.b\0305141449-17.d				
Injection Date:	05-Mar-2014 14:49:00	Instrument ID:	CICG	Operator ID:	
Lims ID:	680-99111-F-7 MSD	Lab Sample ID:	680-99111-7	Worklist Smp#:	17
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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

Instrument ID: CICG Start Date: 03/05/2014 09:25

Analysis Batch Number: 318425 End Date: 03/06/2014 01:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/05/2014 09:25	1		AS18 4(mm)
ZZZZZ		03/05/2014 09:39	1		AS18 4(mm)
ZZZZZ		03/05/2014 09:53	1		AS18 4(mm)
CCV 680-318425/4		03/05/2014 10:08	1	0305141008-4.d	AS18 4(mm)
MB 680-318425/5		03/05/2014 10:23	1	0305141023-5.d	AS18 4(mm)
LCS 680-318425/6		03/05/2014 10:39	1	0305141039-6.d	AS18 4(mm)
LCSD 680-318425/7		03/05/2014 10:54	1	0305141054-7.d	AS18 4(mm)
680-99111-4	SMSSW11	03/05/2014 12:45	2	0305141245-9.d	AS18 4(mm)
680-99111-5	SMSSW14	03/05/2014 13:01	2	0305141301-10.d	AS18 4(mm)
680-99111-2	SMSMW10A	03/05/2014 13:16	40	0305141316-11.d	AS18 4(mm)
680-99111-2	SMSMW10A	03/05/2014 13:32	4	0305141332-12.d	AS18 4(mm)
680-99111-3	SMSMW10B	03/05/2014 13:47	2	0305141347-13.d	AS18 4(mm)
680-99111-6	SMSSW13	03/05/2014 14:02	2	0305141402-14.d	AS18 4(mm)
680-99111-7	SMSSW09 SPRING	03/05/2014 14:18	2	0305141418-15.d	AS18 4(mm)
680-99111-7 MS	SMSSW09 SPRING MS	03/05/2014 14:33	2	0305141433-16.d	AS18 4(mm)
680-99111-7 MSD	SMSSW09 SPRING MSD	03/05/2014 14:49	2	0305141449-17.d	AS18 4(mm)
ZZZZZ		03/05/2014 15:04	1		AS18 4(mm)
CCV 680-318425/19		03/05/2014 15:19	1	0305141519-19.d	AS18 4(mm)
CCB 680-318425/20		03/05/2014 15:35	1	0305141535-20.d	AS18 4(mm)
ZZZZZ		03/05/2014 15:50	1		AS18 4(mm)
ZZZZZ		03/05/2014 16:06	1		AS18 4(mm)
ZZZZZ		03/05/2014 16:21	20		AS18 4(mm)
ZZZZZ		03/05/2014 16:36	2		AS18 4(mm)
ZZZZZ		03/05/2014 16:52	20		AS18 4(mm)
ZZZZZ		03/05/2014 17:07	1		AS18 4(mm)
ZZZZZ		03/05/2014 17:23	1		AS18 4(mm)
ZZZZZ		03/05/2014 17:38	1		AS18 4(mm)
ZZZZZ		03/05/2014 17:54	1		AS18 4(mm)
ZZZZZ		03/05/2014 18:09	1		AS18 4(mm)
CCV 680-318425/31		03/05/2014 18:24	1		AS18 4(mm)
CCB 680-318425/32		03/05/2014 18:40	1		AS18 4(mm)
CCB 680-318425/58		03/06/2014 01:20	1		AS18 4(mm)

300.0

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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)
680-99111-1	SMSSW01	03/05/2014 22:46	2	0305142246-48.d	AS18 4(mm)
680-99111-8	SMSSW09	03/05/2014 23:02	2	0305142302-49.d	AS18 4(mm)
ZZZZZ		03/05/2014 23:17	2		AS18 4(mm)
ZZZZZ		03/05/2014 23:32	20		AS18 4(mm)
ZZZZZ		03/05/2014 23:48	40		AS18 4(mm)
ZZZZZ		03/06/2014 00:03	1		AS18 4(mm)
ZZZZZ		03/06/2014 00:19	1		AS18 4(mm)
ZZZZZ		03/06/2014 00:34	1		AS18 4(mm)
ZZZZZ		03/06/2014 00:49	1		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

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-99111-1

SDG No.: 68099111-1

Project: Smokey Mountain Smelter

Client Sample ID	Lab Sample ID
SMSSW01	680-99111-1
SMSMW10A	680-99111-2
SMSMW10B	680-99111-3
SMSSW11	680-99111-4
SMSSW14	680-99111-5
SMSSW13	680-99111-6
SMSSW09 SPRING	680-99111-7
SMSSW09	680-99111-8

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW01
Lab Sample ID: 680-99111-1
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 11:17
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	0.079	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.027	0.050	0.016	mg/L	J	H	1	365.1
7440-44-0	Total Organic Carbon	3.1	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW01
Lab Sample ID: 680-99111-1
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 11:17
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	56	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	150	5.0		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW10A
Lab Sample ID: 680-99111-2
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 14:30
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	0.071	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.042	0.050	0.016	mg/L	J	H	1	365.1
7440-44-0	Total Organic Carbon	1.9	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW10A
Lab Sample ID: 680-99111-2
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 14:30
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	<5.0	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	4300	50		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSMW10B
Lab Sample ID: 680-99111-3
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 14:50
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	0.17	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: SMSMW10B
Lab Sample ID: 680-99111-3
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 14:50
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	380	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	1300	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW11
Lab Sample ID: 680-99111-4
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 13:20
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	0.21	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.040	0.050	0.016	mg/L	J	H	1	365.1
7440-44-0	Total Organic Carbon	4.1	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW11
Lab Sample ID: 680-99111-4
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 13:20
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	110	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	150	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW14
Lab Sample ID: 680-99111-5
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 14:15
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	0.088	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.037	0.050	0.016	mg/L	J	H	1	365.1
7440-44-0	Total Organic Carbon	2.6	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW14
Lab Sample ID: 680-99111-5
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 14:15
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	270	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW13
Lab Sample ID: 680-99111-6
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 14:50
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	0.11	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.036	0.050	0.016	mg/L	J	H	1	365.1
7440-44-0	Total Organic Carbon	2.3	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW13
Lab Sample ID: 680-99111-6
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 14:50
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	120	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	290	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW09 SPRING
Lab Sample ID: 680-99111-7
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 15:45
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	0.11	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	0.72	1.0	0.50	mg/L	J		1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW09 SPRING
Lab Sample ID: 680-99111-7
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 15:45
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	200	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	340	10		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW09
Lab Sample ID: 680-99111-8
Lab Name: TestAmerica Savannah
Job No.: 680-99111-1
SDG ID.: 68099111-1
Matrix: Water
Date Sampled: 03/03/2014 10:10
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	0.097	0.050	0.026	mg/L			1	350.1
14265-44-2	ortho-Phosphate	0.023	0.050	0.016	mg/L	J	H	1	365.1
7440-44-0	Total Organic Carbon	2.6	1.0	0.50	mg/L			1	5310 B-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: SMSSW09 | Lab Sample ID: 680-99111-8

Lab Name: TestAmerica Savannah | Job No.: 680-99111-1

SDG ID.: 68099111-1

Matrix: Water | Date Sampled: 03/03/2014 10:10

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	130	5.0		mg/L			1	2320B-2011
	Total Dissolved Solids	380	10		mg/L			1	2540C-2011

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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

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.: 680-99111-1

SDG No.: 68099111-1

Analyst: JME Batch Start Date: 03/14/2014

Reporting Units: mg/L Analytical Batch No.: 319783

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	17:48	Ammonia	1.09	1.00	109	90-110		NH3 LCS_00043
2	CCB	17:48	Ammonia	0.0354				J	
13	CCV	17:57	Ammonia	1.08	1.00	108	90-110		NH3 LCS_00043
14	CCB	17:57	Ammonia	0.0272				J	
25	CCV	18:06	Ammonia	1.08	1.00	107	90-110		NH3 LCS_00043
26	CCB	18:06	Ammonia	0.0274				J	
30	CCV	18:16	Ammonia	1.08	1.00	108	90-110		NH3 LCS_00043
31	CCB	18:16	Ammonia	0.0269				J	

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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

Analyst: CMP Batch Start Date: 03/12/2014

Reporting Units: mg/L Analytical Batch No.: 319534

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
13	CCV	20:06	Total Organic Carbon	47.6	50.0	95	90-110		TOCCALSTD4_00066
14	CCB	20:22	Total Organic Carbon	<0.50					
25	CCV	23:20	Total Organic Carbon	49.1	50.0	98	90-110		TOCCALSTD4_00066
26	CCB	23:36	Total Organic Carbon	<0.50					
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					
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					
84	CCV	14:44	Total Organic Carbon	50.1	50.0	100	90-110		TOCCALSTD4_00066
85	CCB	14:58	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.: 680-99111-1

SDG No.: 68099111-1

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					

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.: 680-99111-1

SDG No.: 68099111-1

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: 318814	Date: 03/09/2014 15:30						
2540C-2011	MB 680-318814/1	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: 319783	Date: 03/15/2014 10:59						
350.1	MB 680-319783/33	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: 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: 319534	Date: 03/13/2014 02:41						
5310 B-2011	MB 680-319534/38	Total Organic Carbon	<0.50		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

FORM III-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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	SMSSW11	680-99111-4	Alkalinity	110	mg/L			
2320B-2011	SMSSW11	680-99111-4 DU	Alkalinity	107	mg/L	0.3	30	
Batch ID: 318814	Date: 03/09/2014 15:30							
2540C-2011	SMSSW09 SPRING	680-99111-7	Total Dissolved Solids	340	mg/L			
2540C-2011	SMSSW09 SPRING	680-99111-7 DU	Total Dissolved Solids	346	mg/L	3	25	
Batch ID: 318814	Date: 03/09/2014 15:30							
2540C-2011	SMSSW09	680-99111-8	Total Dissolved Solids	380	mg/L			
2540C-2011	SMSSW09	680-99111-8 DU	Total Dissolved Solids	358	mg/L	5	25	
Batch ID: 318579	Date: 03/06/2014 14:26							
365.1	SMSSW14	680-99111-5	ortho-Phosphate	0.037	mg/L			J
365.1	SMSSW14	680-99111-5 DU	ortho-Phosphate	0.0322	mg/L	14	30	J
Batch ID: 318525	Date: 03/06/2014 13:56							
4500 S2 F-2011	SMSSW01	680-99111-1	Sulfide	<1.0	mg/L			
4500 S2 F-2011	SMSSW01	680-99111-1 DU	Sulfide	<1.0	mg/L	NC	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.: 680-99111-1

SDG No.: 68099111-1

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: 318814	Date: 03/09/2014 15:30										
						LCS Source: TS/TDS LCS_00226					
2540C-2011	LCS 680-318814/2	Total Dissolved Solids	120		mg/L	109	110	80-120	9	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: 319783	Date: 03/15/2014 10:59										
						LCS Source: NH3 LCS_00043					
350.1	LCS 680-319783/32	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: 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: 319534	Date: 03/12/2014 20:57										
						LCS Source: TOC LCS/ICV_00025					
5310 B-2011	LCS 680-319534/16	Total Organic Carbon	17.2		mg/L	20.0	86	80-120			
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			

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.: 680-99111-1

SDG No.: 68099111-1

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: 318814	Date: 03/09/2014 15:30										
						LCSD Source: TS/TDS LCS_00226					
2540C-2011	LCSD 680-318814/3	Total Dissolved Solids	110		mg/L	109	101	80-120	9	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	

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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: 680-99111-1

SDG Number: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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																			
ZZZZZZ			13:56																				
ZZZZZZ			13:56																				
ZZZZZZ			13:56																				
ZZZZZZ			13:56																				
CCV 680-319360/14	1		14:05	X																			
CCB 680-319360/15	1		14:05	X																			
ZZZZZZ			14:05																				
ZZZZZZ			14:05																				
680-99111-8	1	T	14:05	X																			
ZZZZZZ			14:05																				
ZZZZZZ			14:05																				
ZZZZZZ			14:05																				
ZZZZZZ			14:05																				
CCV 680-319360/23	1		14:14	X																			
CCB 680-319360/24	1		14:14	X																			
ZZZZZZ			14:24																				
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			14:58																				
ZZZZZZ			14:59																				
ZZZZZZ			14:59																				
ZZZZZZ			14:59																				
ZZZZZZ			15:03																				
ZZZZZZ			15:03																				
CCV 680-319360/38			15:06																				
CCB 680-319360/39			15:06																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

Instrument ID: KONELAB1 Method: 350.1

Start Date: 03/14/2014 17:48 End Date: 03/15/2014 10:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
CCV 680-319783/1	1		17:48	X																			
CCB 680-319783/2	1		17:48	X																			
ZZZZZZ			17:48																				
ZZZZZZ			17:48																				
ZZZZZZ			17:48																				
ZZZZZZ			17:48																				
ZZZZZZ			17:48																				
ZZZZZZ			17:48																				
ZZZZZZ			17:48																				
ZZZZZZ			17:48																				
ZZZZZZ			17:48																				
ZZZZZZ			17:48																				
CCV 680-319783/13	1		17:57	X																			
CCB 680-319783/14	1		17:57	X																			
ZZZZZZ			17:57																				
ZZZZZZ			17:57																				
ZZZZZZ			17:57																				
ZZZZZZ			17:57																				
ZZZZZZ			17:57																				
680-99111-1	1	T	17:57	X																			
680-99111-2	1	T	17:57	X																			
680-99111-3	1	T	17:57	X																			
680-99111-4	1	T	17:57	X																			
680-99111-5	1	T	17:57	X																			
CCV 680-319783/25	1		18:06	X																			
CCB 680-319783/26	1		18:06	X																			
680-99111-6	1	T	18:06	X																			
680-99111-7	1	T	18:06	X																			
ZZZZZZ			18:06																				
CCV 680-319783/30	1		18:16	X																			
CCB 680-319783/31	1		18:16	X																			
LCS 680-319783/32	1	T	10:59	X																			
MB 680-319783/33	1	T	10:59	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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																				
680-99111-1	1	T	14:23	X																			
680-99111-2	1	T	14:23	X																			
CCV 680-318579/10	1		14:26	X																			
CCB 680-318579/11	1		14:26	X																			
680-99111-3	1	T	14:26	X																			
680-99111-4	1	T	14:26	X																			
680-99111-5	1	T	14:26	X																			
680-99111-5 DU	1	T	14:26	X																			
680-99111-6	1	T	14:26	X																			
680-99111-7	1	T	14:26	X																			
680-99111-8	1	T	14:26	X																			
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																			
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.: 680-99111-1

SDG No.: 68099111-1

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																			
680-99111-1	1	T	13:56	X																			
680-99111-1 DU	1	T	13:56	X																			
680-99111-2	1	T	13:56	X																			
680-99111-3	1	T	13:56	X																			
680-99111-4	1	T	13:56	X																			
680-99111-5	1	T	13:56	X																			
680-99111-6	1	T	13:56	X																			
680-99111-7	1	T	13:56	X																			
680-99111-8	1	T	13:56	X																			
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																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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																				
680-99111-1	1	T	13:53	X																			
680-99111-2	1	T	13:53	X																			
680-99111-3	1	T	13:53	X																			
680-99111-4	1	T	13:53	X																			
680-99111-4 DU	1	T	13:53	X																			
CCV 680-319601/11	1		13:53	X																			
680-99111-5	1	T	13:53	X																			
680-99111-6	1	T	13:53	X																			
680-99111-7	1	T	13:53	X																			
680-99111-8	1	T	13:53	X																			
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
CCV 680-319601/22	1		13:53	X																			
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
ZZZZZZ			13:53																				
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.: 680-99111-1

SDG No.: 68099111-1

Instrument ID: NOEQUIP Method: 2540C-2011

Start Date: 03/09/2014 15:30 End Date: 03/09/2014 15:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				TDS																			
MB 680-318814/1	1	T	15:30	X																			
LCS 680-318814/2	1	T	15:30	X																			
LCSD 680-318814/3	1	T	15:30	X																			
680-99111-7	1	T	15:30	X																			
680-99111-7 DU	1	T	15:30	X																			
ZZZZZZ			15:30																				
ZZZZZZ			15:30																				
ZZZZZZ			15:30																				
ZZZZZZ			15:30																				
ZZZZZZ			15:30																				
ZZZZZZ			15:30																				
ZZZZZZ			15:30																				
ZZZZZZ			15:30																				
680-99111-1	1	T	15:30	X																			
680-99111-4	1	T	15:30	X																			
680-99111-2	1	T	15:30	X																			
ZZZZZZ			15:30																				
ZZZZZZ			15:30																				
ZZZZZZ			15:30																				
680-99111-3	1	T	15:30	X																			
680-99111-5	1	T	15:30	X																			
680-99111-6	1	T	15:30	X																			
ZZZZZZ			15:30																				
680-99111-8	1	T	15:30	X																			
680-99111-8 DU	1	T	15:30	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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																				
CCV 680-319534/13	1		20:06	X																			
CCB 680-319534/14	1		20:22	X																			
ZZZZZZ			20:43																				
LCS 680-319534/16	1	T	20:57	X																			
ZZZZZZ			21:12																				
ZZZZZZ			21:35																				
ZZZZZZ			21:51																				
ZZZZZZ			22:07																				
ZZZZZZ			22:22																				
ZZZZZZ			22:36																				
ZZZZZZ			22:51																				
ZZZZZZ			23:05																				
CCV 680-319534/25	1		23:20	X																			
CCB 680-319534/26	1		23:36	X																			
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																				
680-99111-1	1	T	02:12	X																			
CCV 680-319534/37	1		02:27	X																			
MB 680-319534/38	1	T	02:41	X																			
680-99111-2	1	T	02:58	X																			
680-99111-3	1	T	03:14	X																			
680-99111-4	1	T	03:33	X																			
680-99111-5	1	T	03:49	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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																			
680-99111-6	1	T	04:03	X																			
ZZZZZZ			04:17																				
ZZZZZZ			04:34																				
ZZZZZZ			04:48																				
ZZZZZZ			04:59																				
ZZZZZZ			05:15																				
CCV 680-319534/49	1		05:30	X																			
CCB 680-319534/50	1		05:48	X																			
ZZZZZZ			06:02																				
ZZZZZZ			06:13																				
ZZZZZZ			06:32																				
ZZZZZZ			06:48																				
ZZZZZZ			07:02																				
ZZZZZZ			07:19																				
ZZZZZZ			07:37																				
ZZZZZZ			07:51																				
ZZZZZZ			08:08																				
ZZZZZZ			08:26																				
ZZZZZZ			08:45																				
ZZZZZZ			08:59																				
ZZZZZZ			09:23																				
ZZZZZZ			09:37																				
ZZZZZZ			09:54																				
ZZZZZZ			10:10																				
ZZZZZZ			10:24																				
ZZZZZZ			10:39																				
ZZZZZZ			10:53																				
ZZZZZZ			11:04																				
ZZZZZZ			11:25																				
ZZZZZZ			11:39																				
CCV 680-319534/73	1		11:56	X																			
CCB 680-319534/74	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 680-319534/84	1		14:44	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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 680-319534/85	1		14:58	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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																			
680-99111-7	1	T	04:34	X																			
ZZZZZZ			04:48																				
ZZZZZZ			04:59																				
680-99111-8	1	T	05:15	X																			
CCV 680-319535/49	1		05:30	X																			
CCB 680-319535/50	1		05:48	X																			
ZZZZZZ			06:02																				
ZZZZZZ			06:13																				
ZZZZZZ			06:32																				
ZZZZZZ			06:48																				
ZZZZZZ			07:02																				
ZZZZZZ			07:19																				
ZZZZZZ			07:37																				
ZZZZZZ			07:51																				
ZZZZZZ			08:08																				
ZZZZZZ			08:26																				
CCV 680-319535/61	1		08:45	X																			
CCB 680-319535/62	1		08:59	X																			
ZZZZZZ			09:23																				
ZZZZZZ			09:37																				
ZZZZZZ			09:54																				
ZZZZZZ			10:10																				
ZZZZZZ			10:24																				
ZZZZZZ			10:39																				
ZZZZZZ			10:53																				
ZZZZZZ			11:04																				
ZZZZZZ			11:25																				
ZZZZZZ			11:39																				
CCV 680-319535/73			11:56																				
CCB 680-319535/74			12:12																				
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.: 680-99111-1

SDG No.: 68099111-1

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

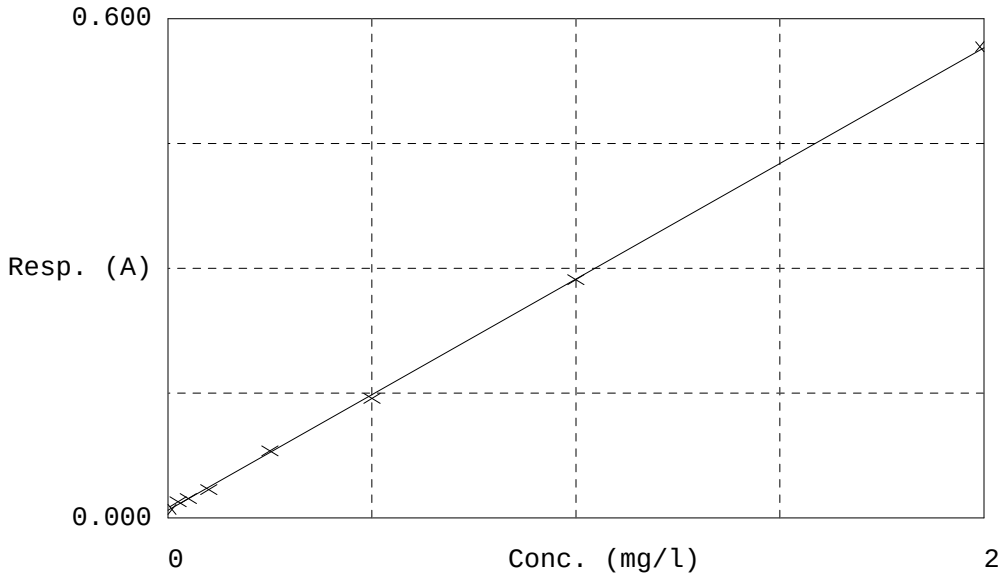
Test Ammonia

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

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 : 3/12/2014
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

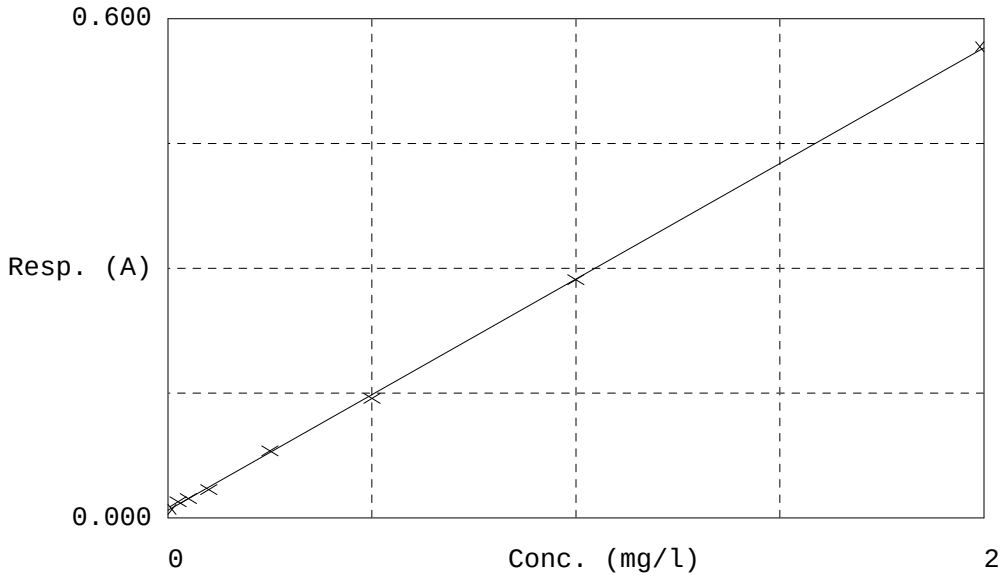
Test Ammonia

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

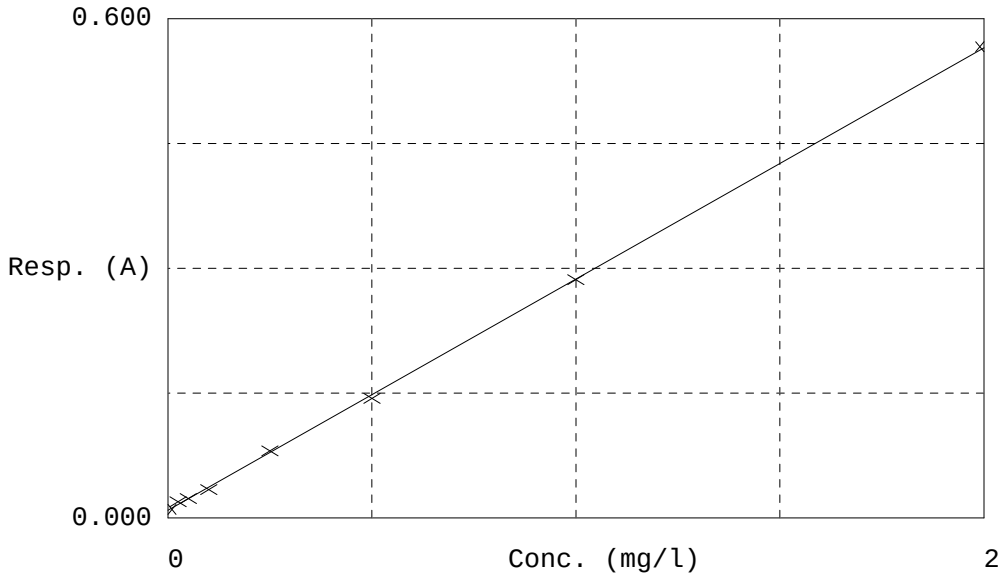
Test Ammonia

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

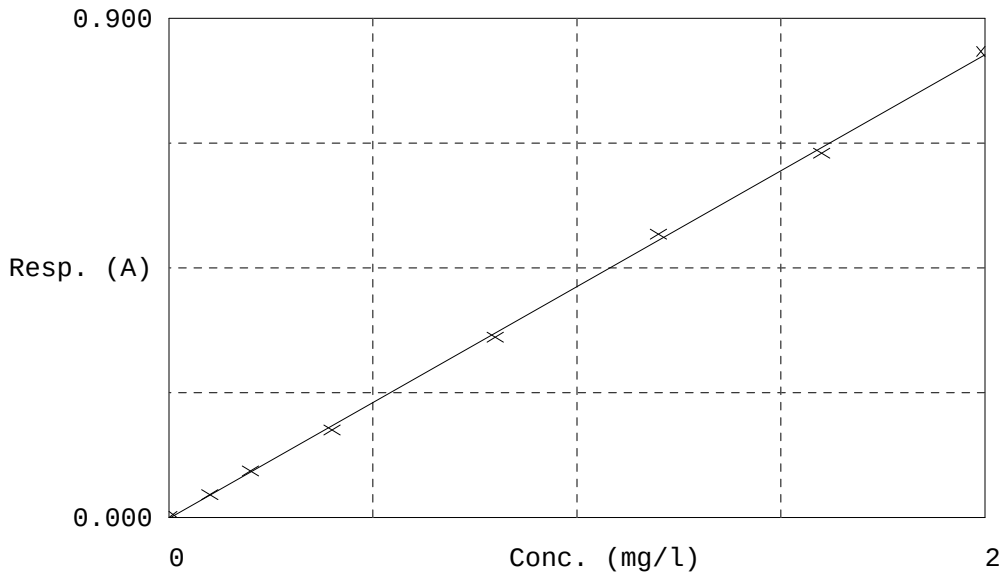
Test Phosphate

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

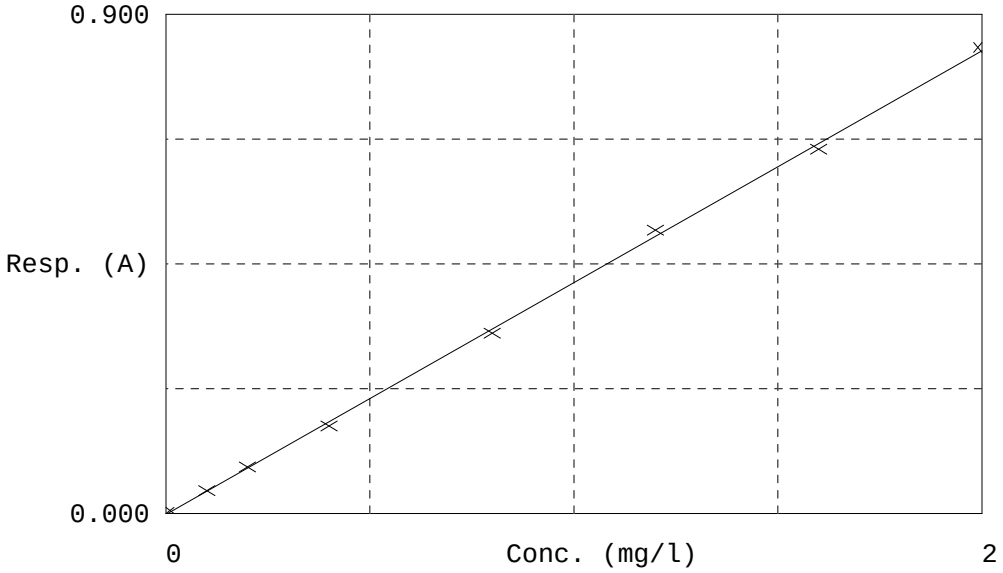
Test Phosphate

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		

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

PC-TitratION PLUS by Man-Tech Associates, Inc.

GENERAL RESULTS REPORT.SRW

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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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PC-TitratION PLUS

Water Analysis Report

Run Number 6642 **Order Number** 20140309-1

SampleID	RunDate	RunTime	cond (uS)	Salinity	Resistivity
DI RINSE	3/9/2014	1:23 PM	.00	.00	-0.9009
CAL CHECK 1413	3/9/2014	1:25 PM	1,411.00	.00	0.0007
DI RINSE	3/9/2014	1:26 PM	.00	.00	-0.8621
680-99155-b-6	3/9/2014	1:28 PM	8,940.00	.00	0.0001
680-99155-b-5	3/9/2014	1:30 PM	10,550.00	.00	0.0001
680-99155-b-1	3/9/2014	1:31 PM	8,630.00	.00	0.0001
680-99155-b-2	3/9/2014	1:33 PM	8,450.00	.00	0.0001
680-99155-b-8	3/9/2014	1:34 PM	8,870.00	.00	0.0001
680-99155-b-3	3/9/2014	1:36 PM	3,900.00	.00	0.0003
680-99155-b-4	3/9/2014	1:37 PM	8,070.00	.00	0.0001
680-99155-b-7	3/9/2014	1:39 PM	8,350.00	.00	0.0001
680-99111-a-7	3/9/2014	1:41 PM	616.00	.00	0.0016
680-99111-a-1	3/9/2014	1:42 PM	133.00	.00	0.0075
680-99111-a-4	3/9/2014	1:44 PM	252.00	.00	0.0040
680-99111-a-2	3/9/2014	1:45 PM	4,350.00	.00	0.0002
680-99104-a-3	3/9/2014	1:47 PM	1,265.00	.00	0.0008
680-99104-a-2	3/9/2014	1:48 PM	4,350.00	.00	0.0002
160-5829-c-1	3/9/2014	1:50 PM	269.00	.00	0.0037
680-99111-a-3	3/9/2014	1:51 PM	1,602.00	.00	0.0006
680-99111-a-5	3/9/2014	1:53 PM	408.00	.00	0.0025
680-99111-a-6	3/9/2014	1:55 PM	471.00	.00	0.0021
680-99111-a-8	3/9/2014	1:56 PM	618.00	.00	0.0016
680-99089-g-1	3/9/2014	1:58 PM	173.60	.00	0.0058

PC-TitratION PLUS by Man-Tech Associates, Inc.

GENERAL RESULTS REPORT.SRW

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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	

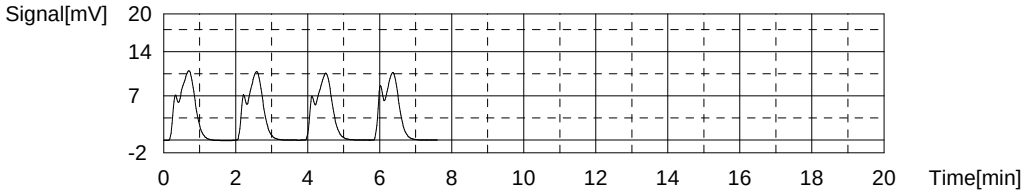
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.25mg/L

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	

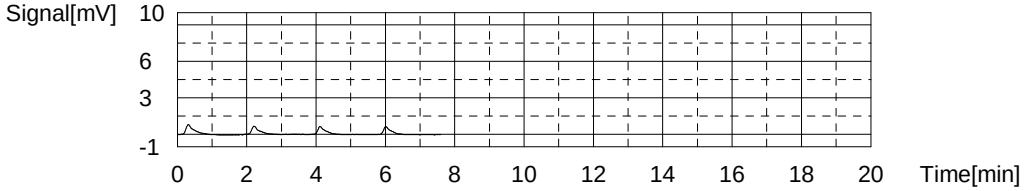
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1476mg/L

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

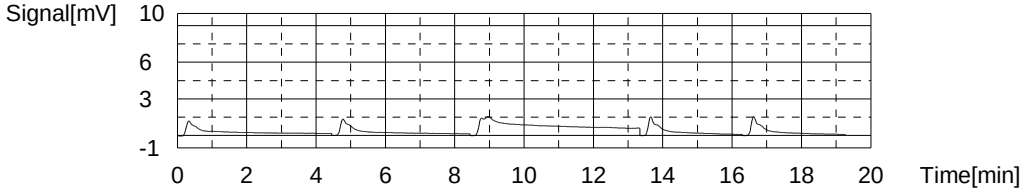
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.312mg/L

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

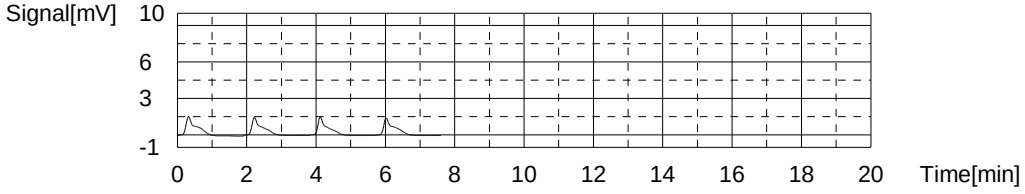
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.199mg/L

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

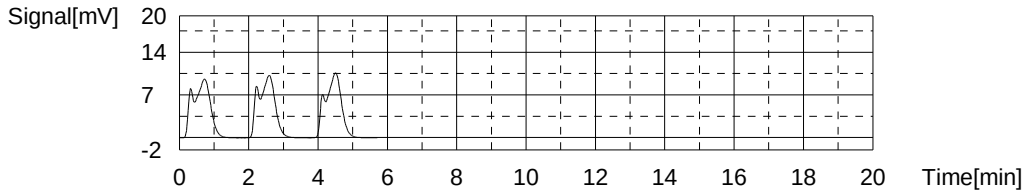
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.05mg/L

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

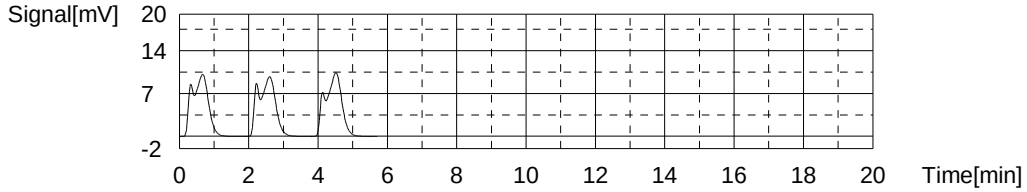
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.90mg/L

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

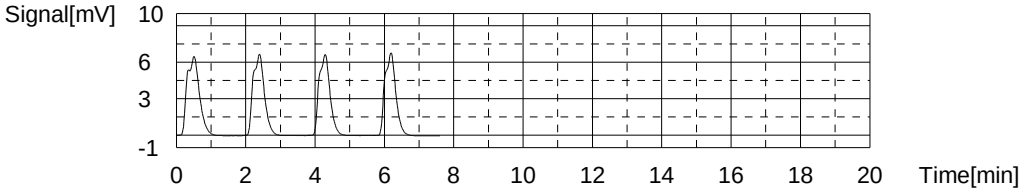
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:79.84mg/L

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

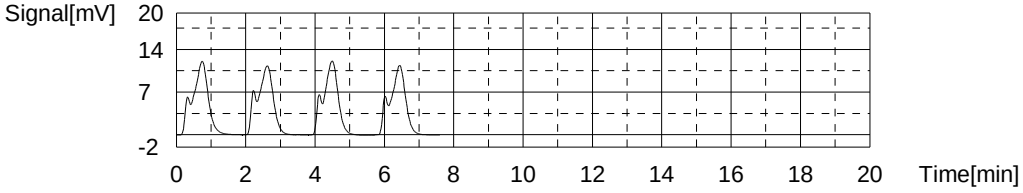
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:20.09mg/L

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

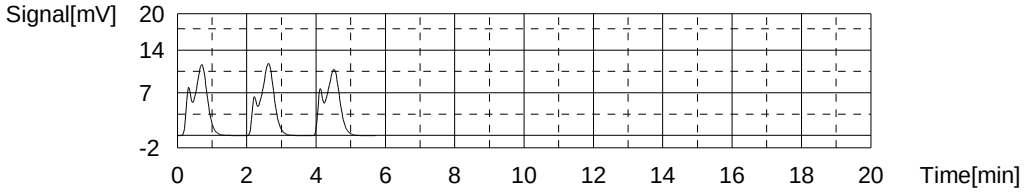
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:19.58mg/L

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

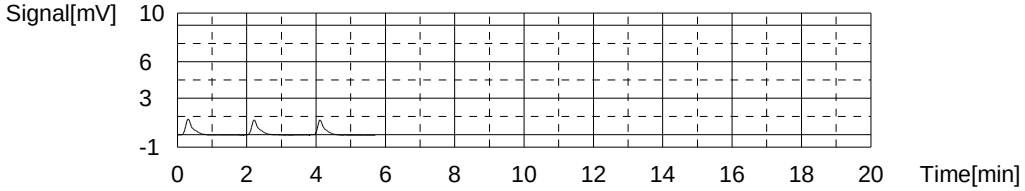
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:0.5780mg/L

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

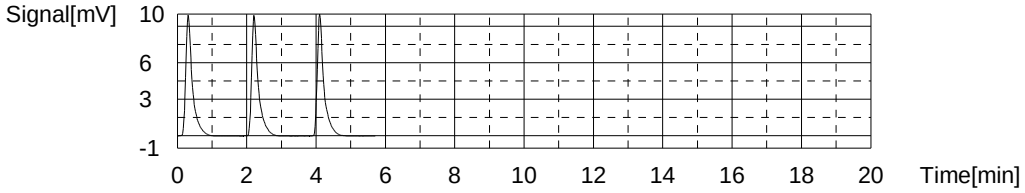
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:6.962mg/L

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

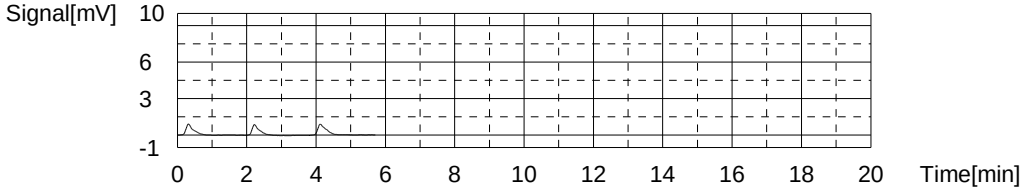
Type	Anal.	Dil.	Result
Unknown	TC	1.000	!!Failed!! TC:-0.4422mg/L

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

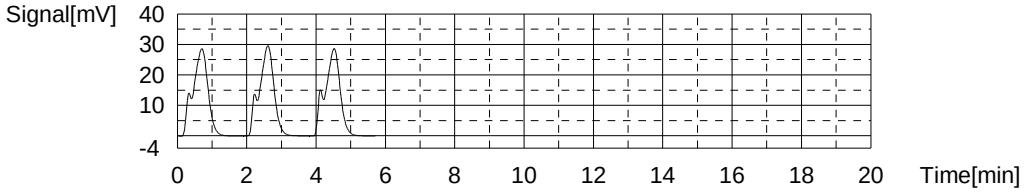
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.43mg/L

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

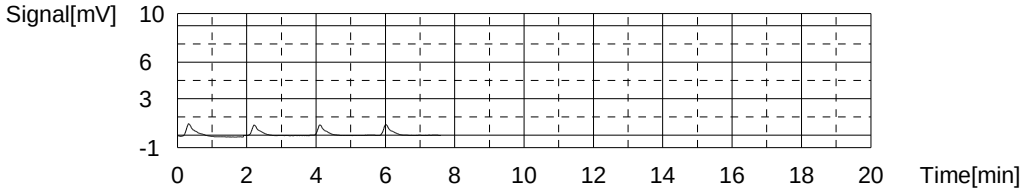
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3284mg/L

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

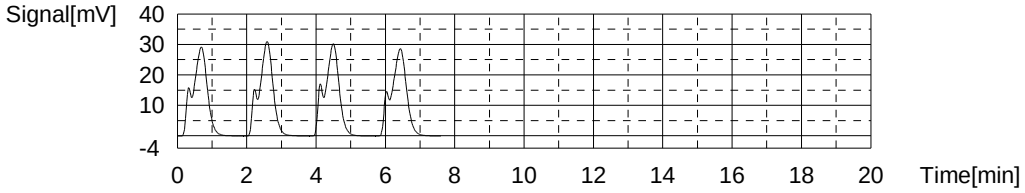
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.55mg/L

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

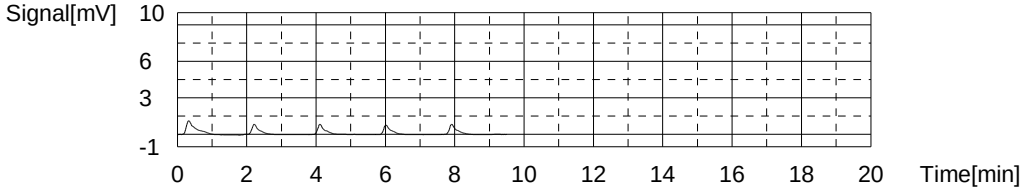
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2646mg/L

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

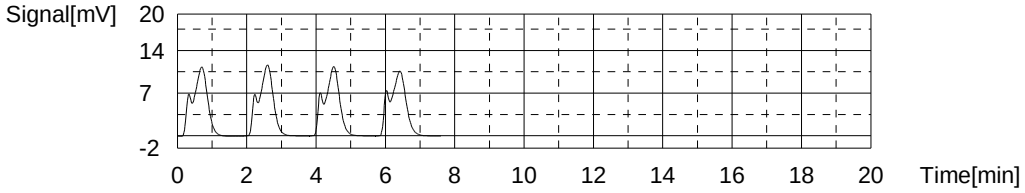
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.40mg/L

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

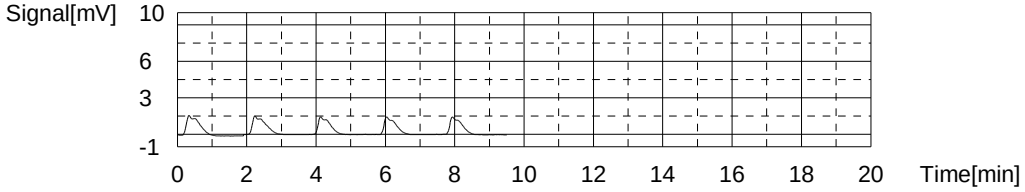
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.556mg/L

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

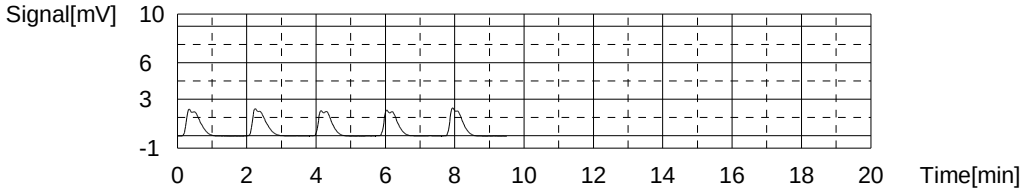
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.658mg/L

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

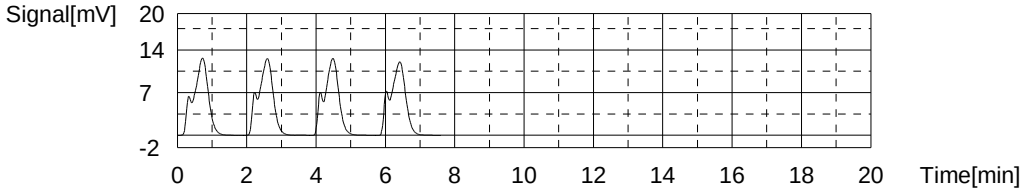
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.01mg/L

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

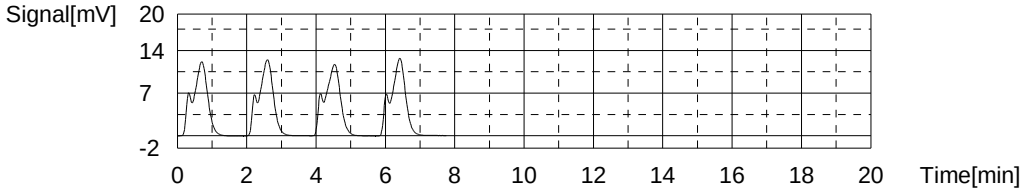
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.82mg/L

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

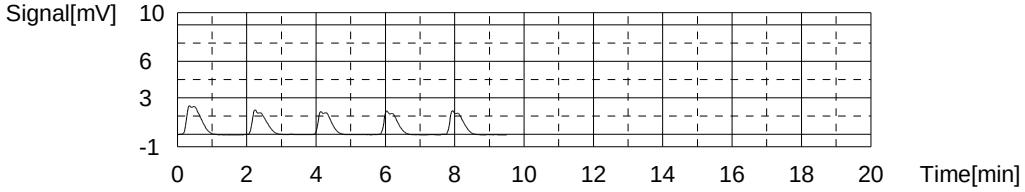
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.376mg/L

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

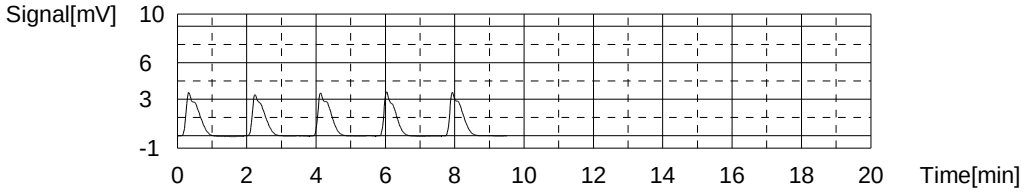
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.203mg/L

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

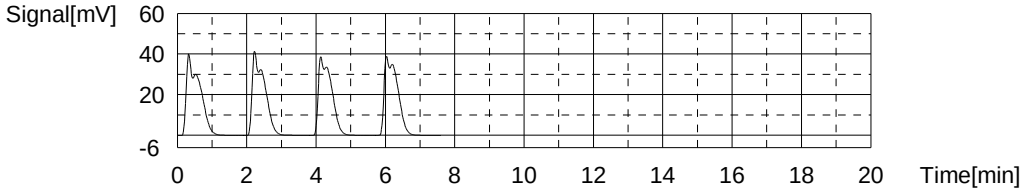
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:576.0mg/L

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

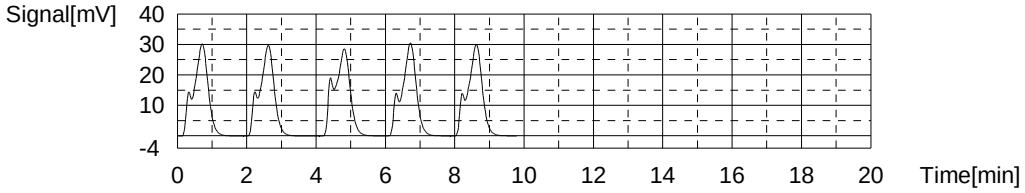
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.12mg/L

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

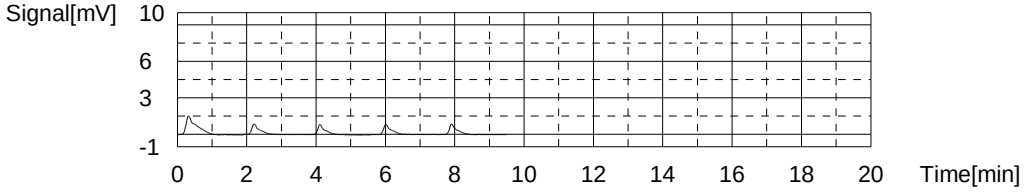
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3102mg/L

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

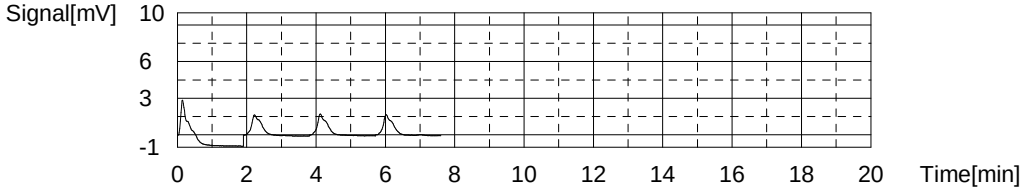
Sample Name:	TC
Sample ID:	TC
Cal. Curve:	TOCCURVE100.2014_03_04_15_36_53.cal
Status	Completed

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

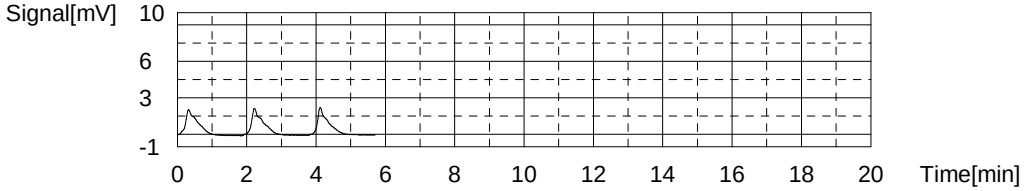
Acid Add. 0.000%
Mean Area 3.045



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

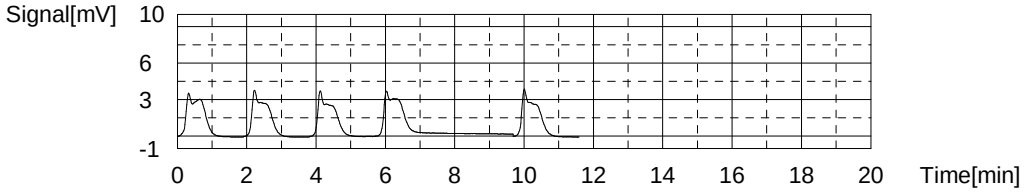
Acid Add. 0.000%
Mean Area 4.589



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

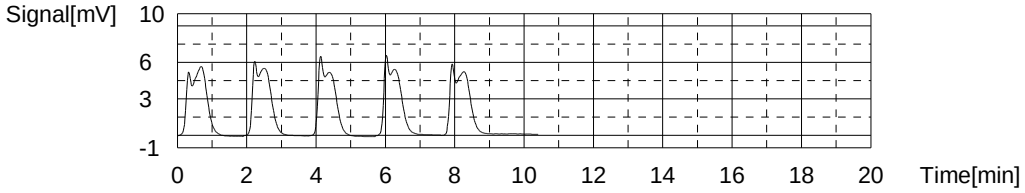
Acid Add. 0.000%
Mean Area 11.17



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

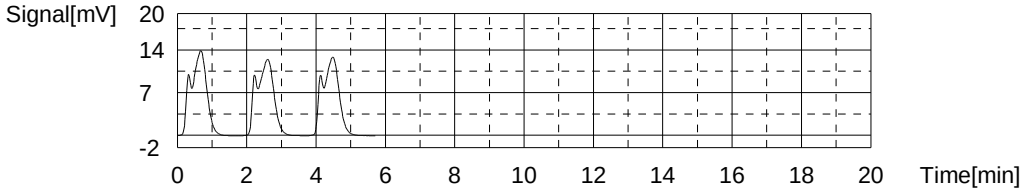
Acid Add. 0.000%
Mean Area 20.16



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

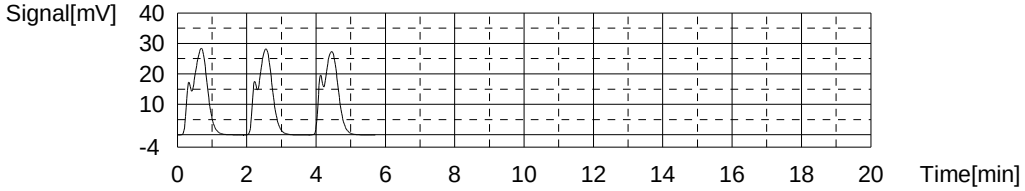
Acid Add. 0.000%
Mean Area 43.69



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

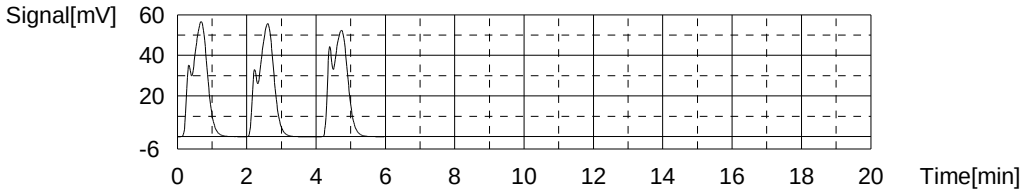
Acid Add. 0.000%
Mean Area 87.61



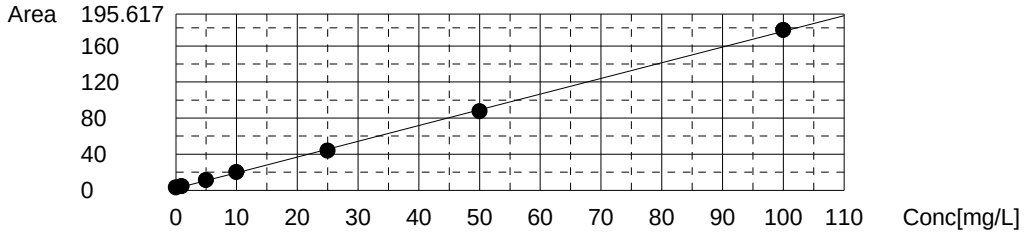
Conc: 100.0mg/L

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	

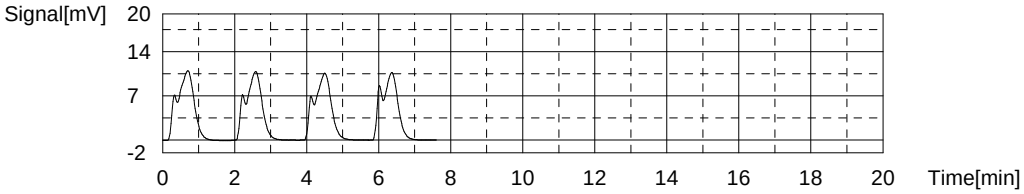
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.25mg/L

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	

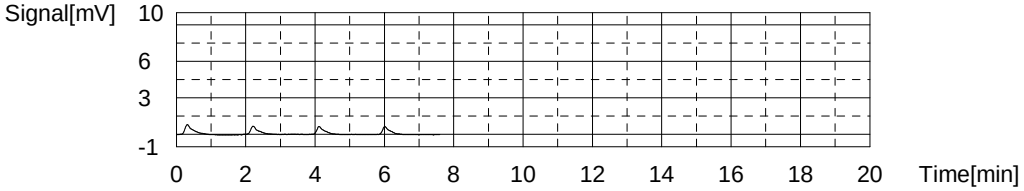
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1476mg/L

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

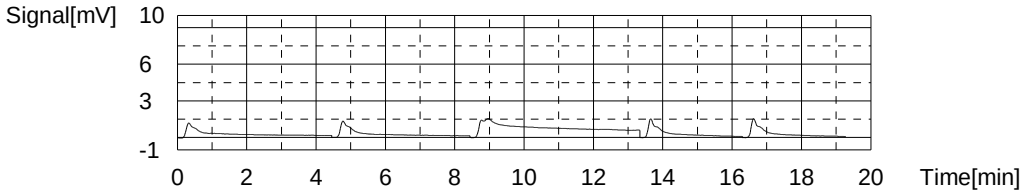
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.312mg/L

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

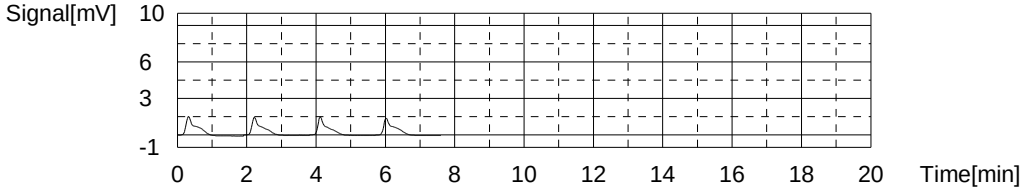
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.199mg/L

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

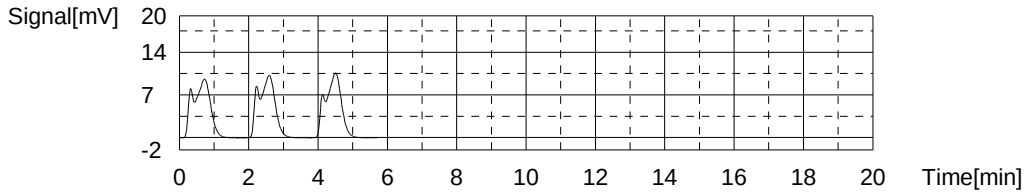
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.05mg/L

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

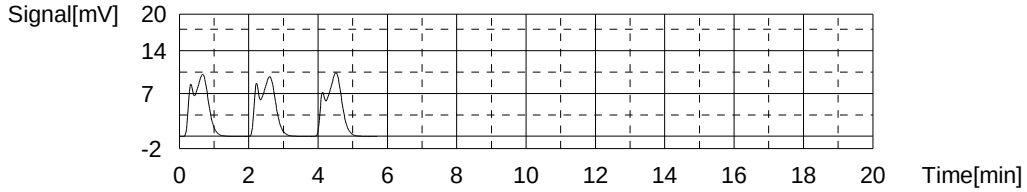
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.90mg/L

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

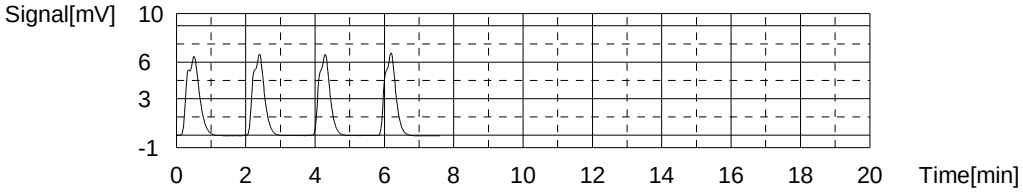
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:79.84mg/L

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

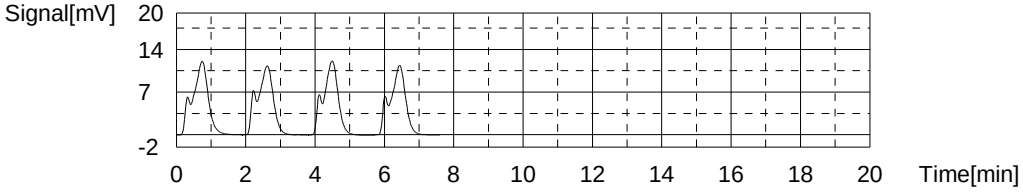
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:20.09mg/L

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

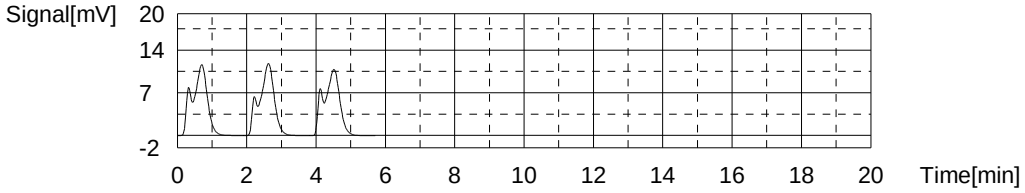
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:19.58mg/L

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

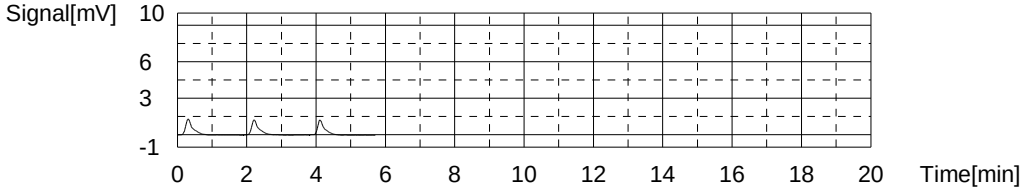
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:0.5780mg/L

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

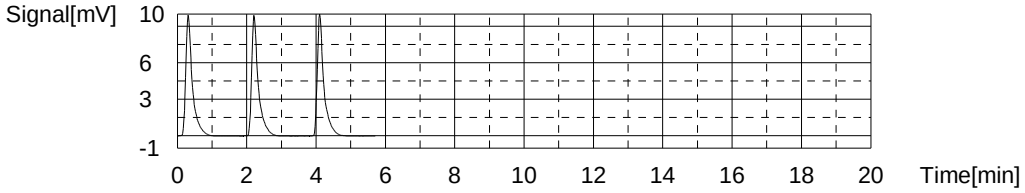
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:6.962mg/L

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

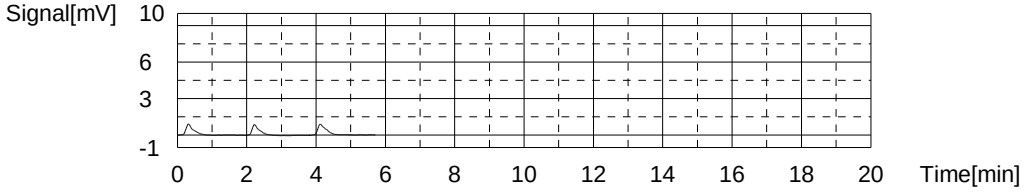
Type	Anal.	Dil.	Result
Unknown	TC	1.000	!!Failed!! TC:-0.4422mg/L

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

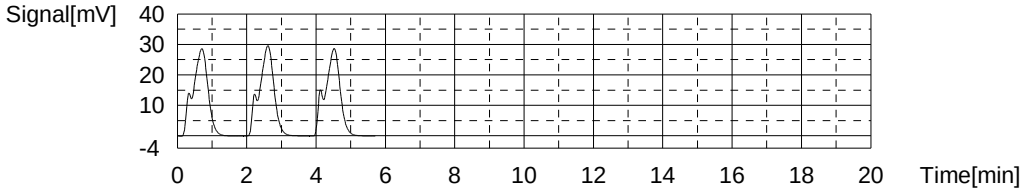
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.43mg/L

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

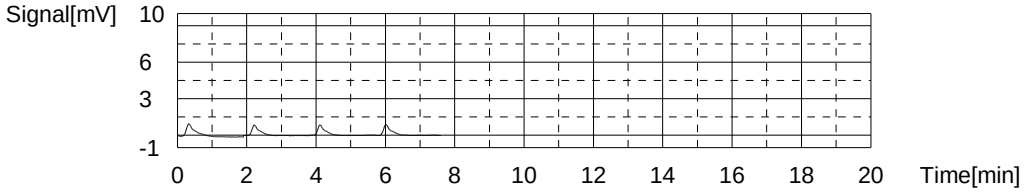
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3284mg/L

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

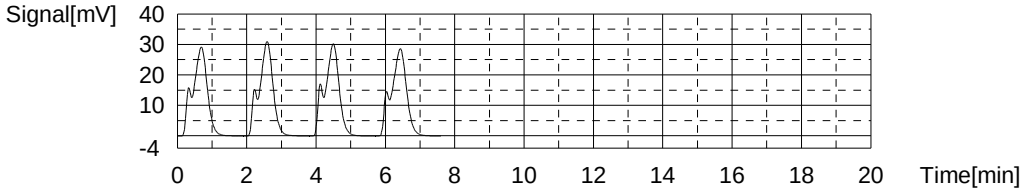
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.55mg/L

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

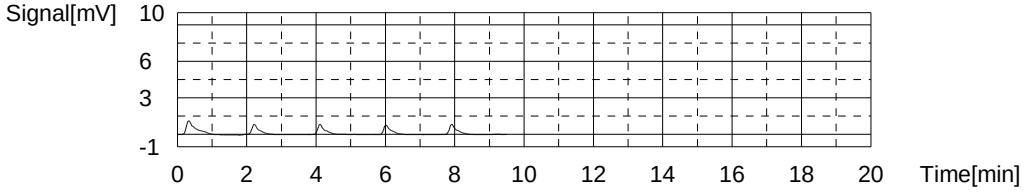
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2646mg/L

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

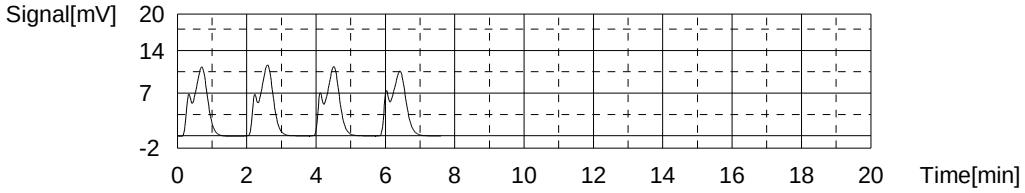
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.40mg/L

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

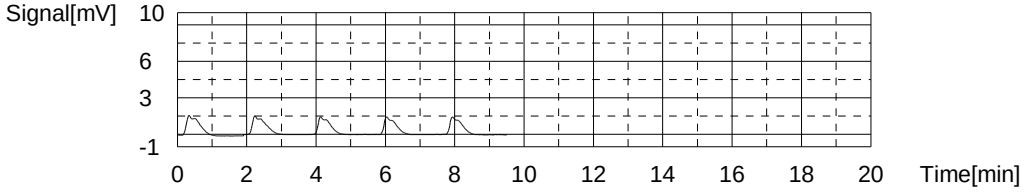
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.556mg/L

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

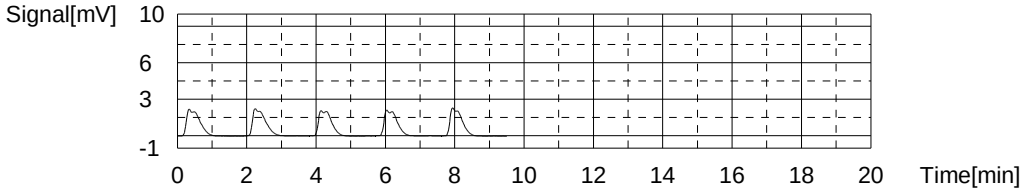
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.658mg/L

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

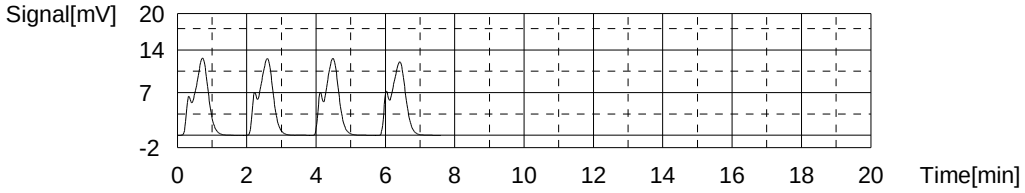
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.01mg/L

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

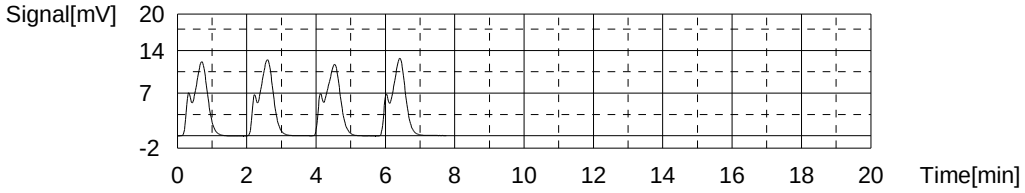
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.82mg/L

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

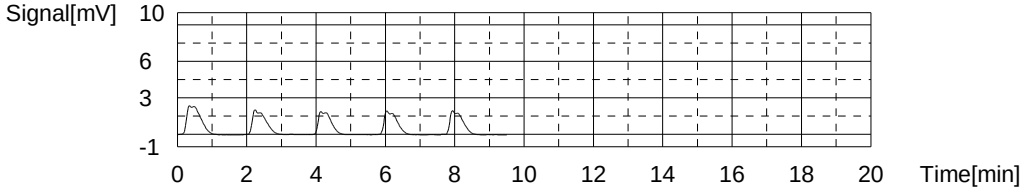
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.376mg/L

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

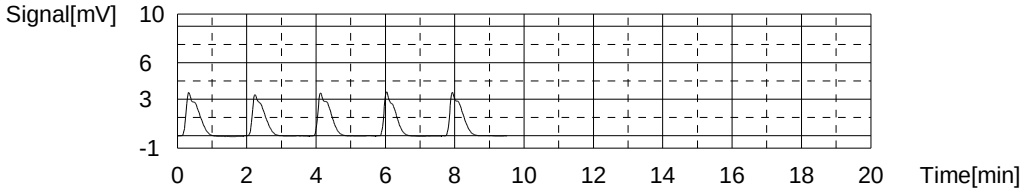
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.203mg/L

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

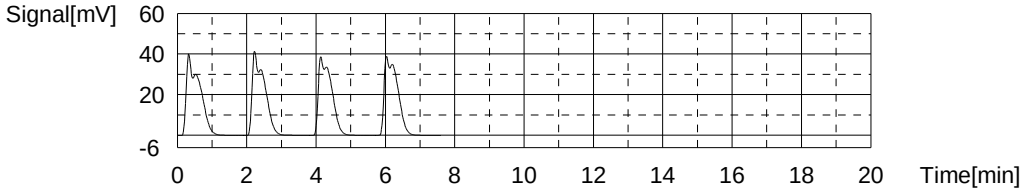
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:576.0mg/L

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

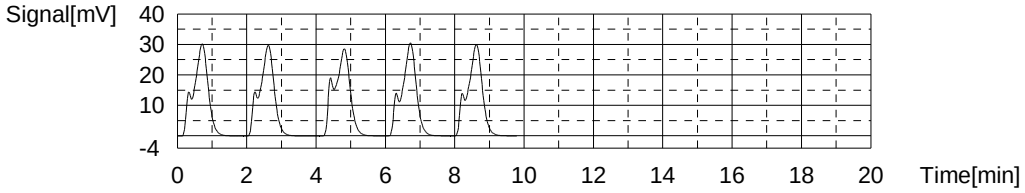
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.12mg/L

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

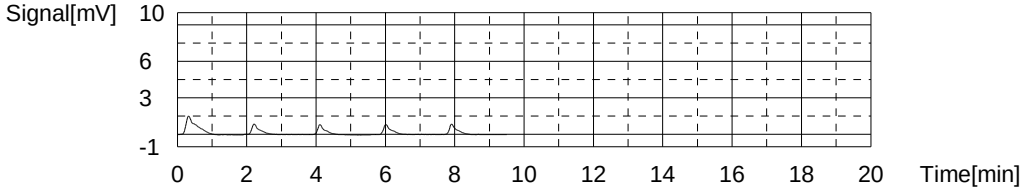
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3102mg/L

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	

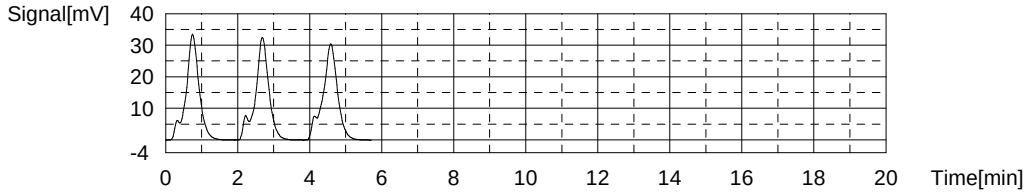
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:47.75mg/L

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	

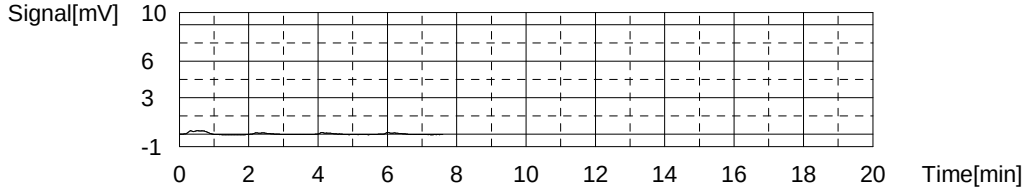
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-1.051mg/L

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

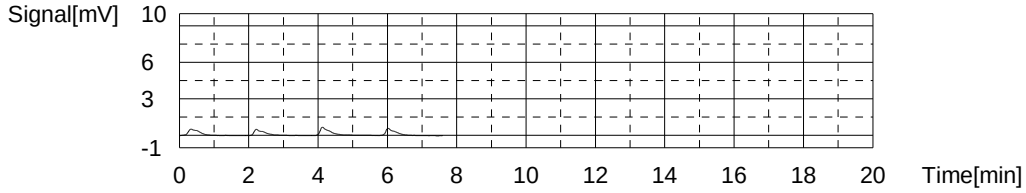
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.6390mg/L

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

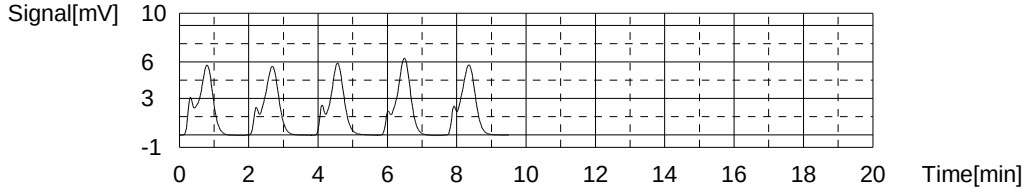
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.943mg/L

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

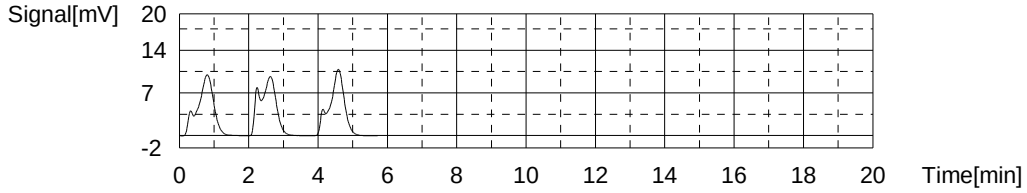
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:17.29mg/L

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

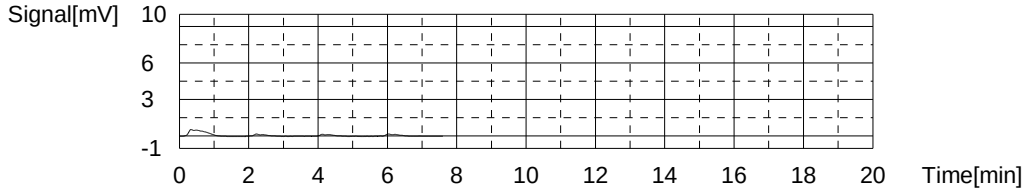
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-1.019mg/L

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

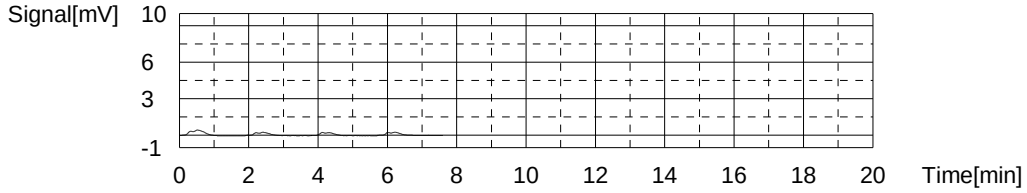
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-4.333mg/L

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

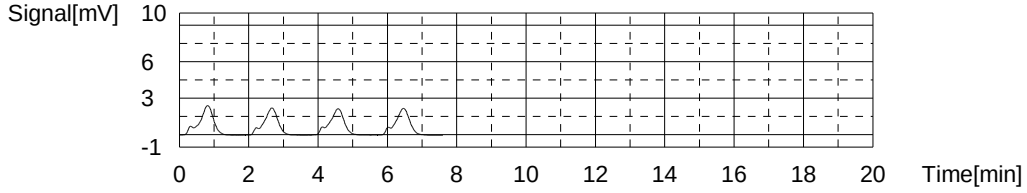
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:11.71mg/L

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

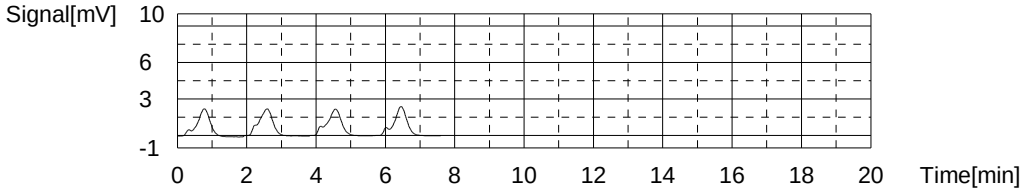
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:11.56mg/L

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

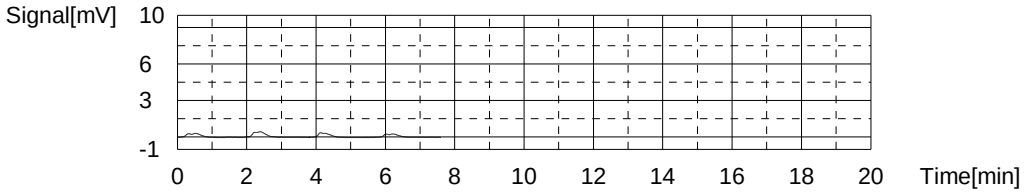
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-3.990mg/L

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

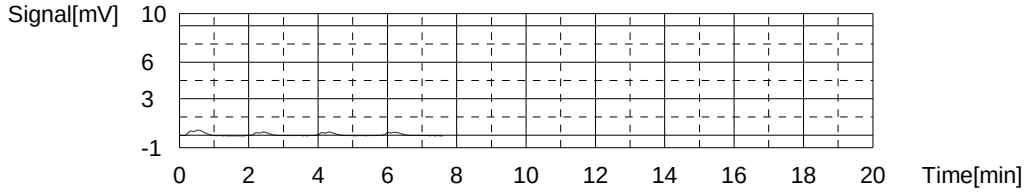
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-4.156mg/L

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

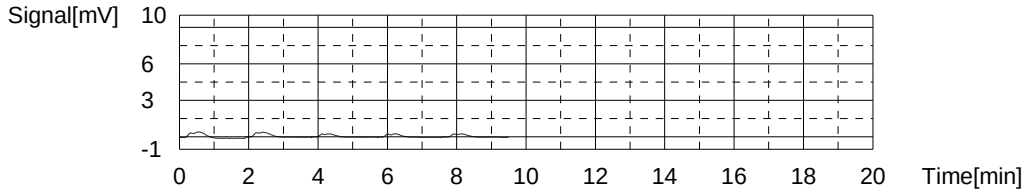
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-4.059mg/L

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

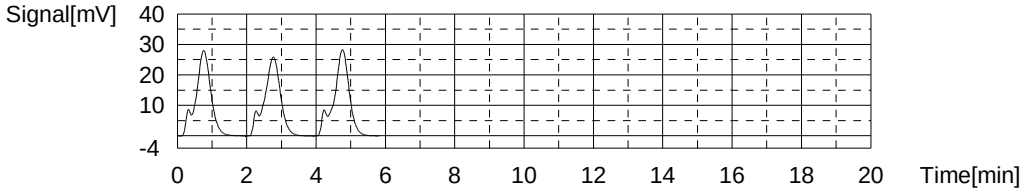
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:47.61mg/L

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

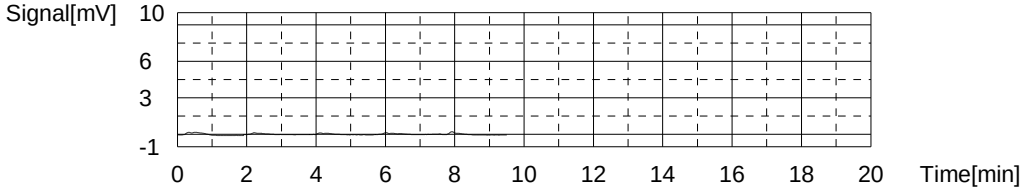
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-1.063mg/L

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

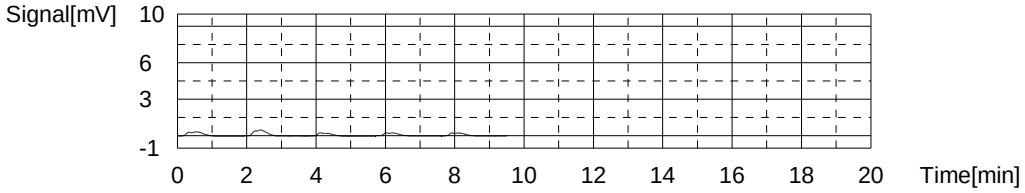
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-4.200mg/L

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

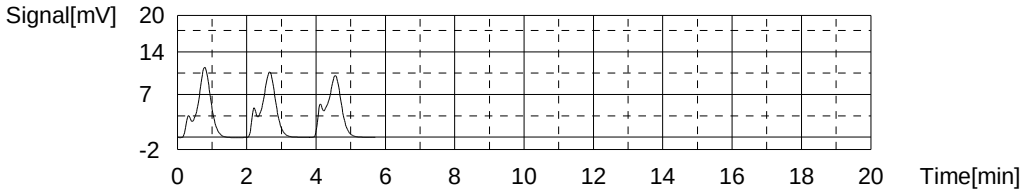
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:17.19mg/L

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

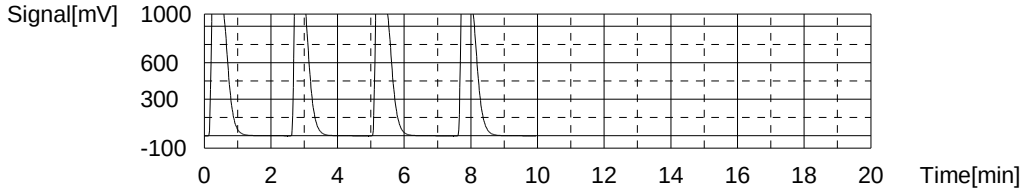
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2242mg/L

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

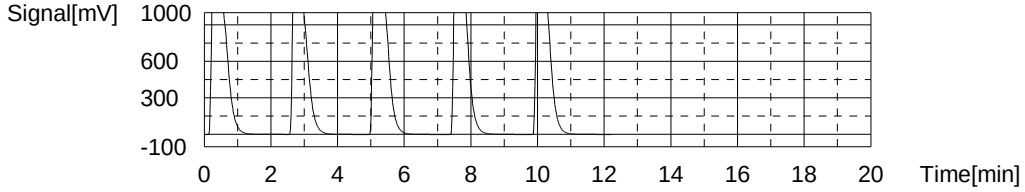
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2158mg/L

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

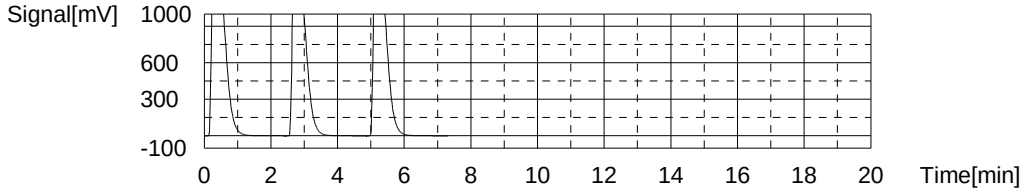
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2160mg/L

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

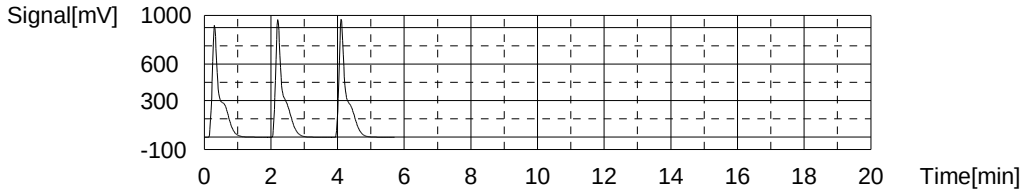
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:869.2mg/L

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

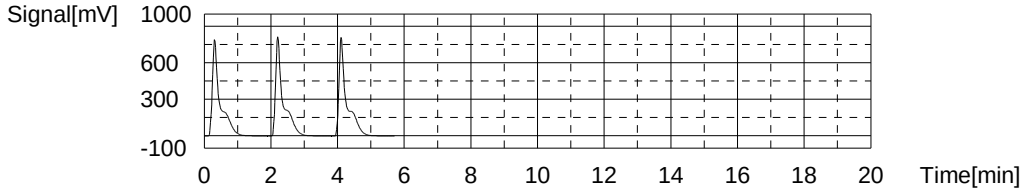
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:726.6mg/L

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

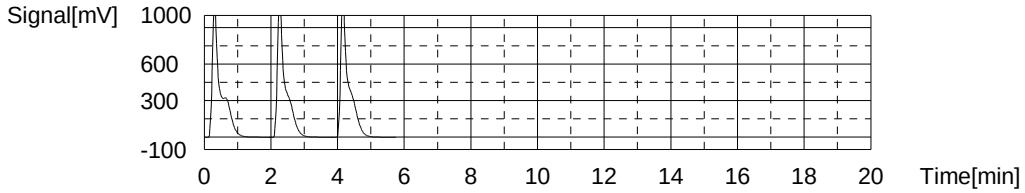
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1078mg/L

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

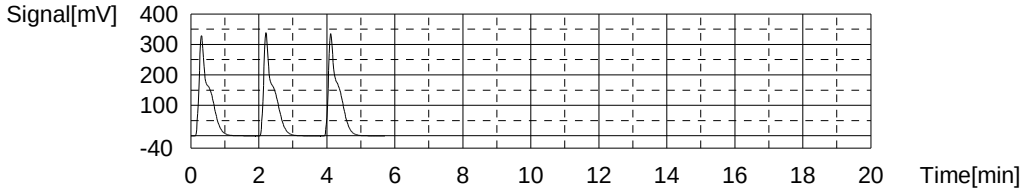
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:369.7mg/L

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

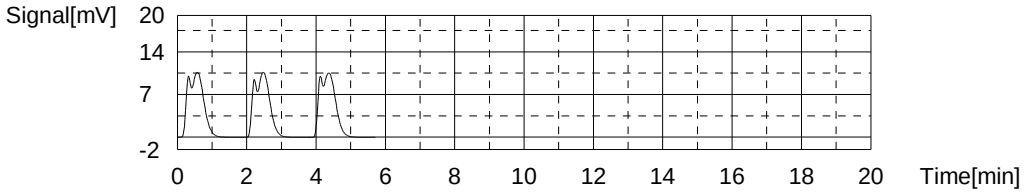
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:17.97mg/L

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

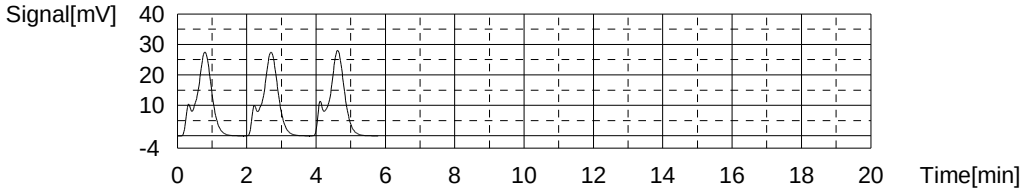
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.06mg/L

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

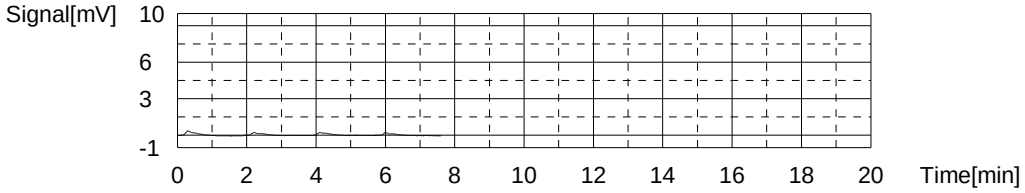
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.9736mg/L

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

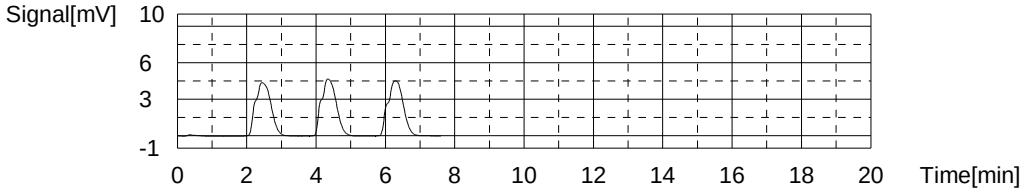
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.680mg/L

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

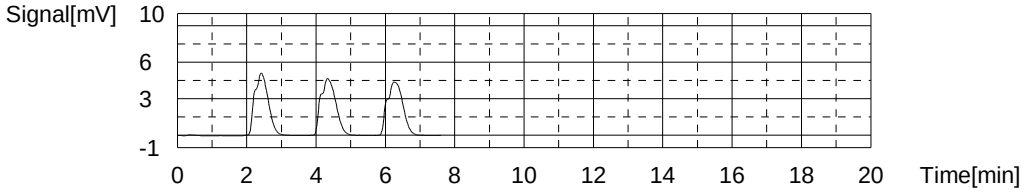
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.716mg/L

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

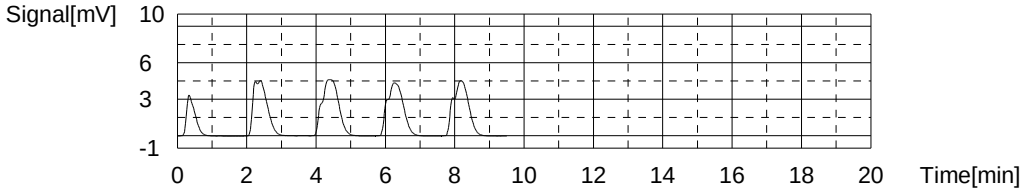
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.097mg/L

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

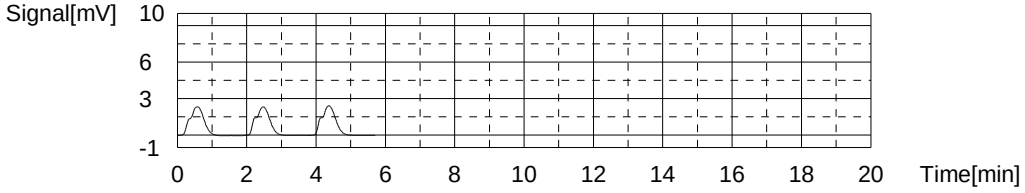
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.535mg/L

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

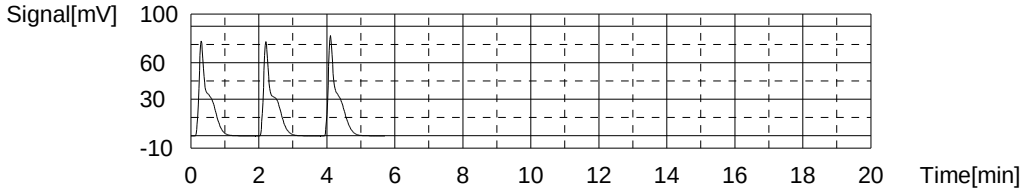
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:84.71mg/L

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

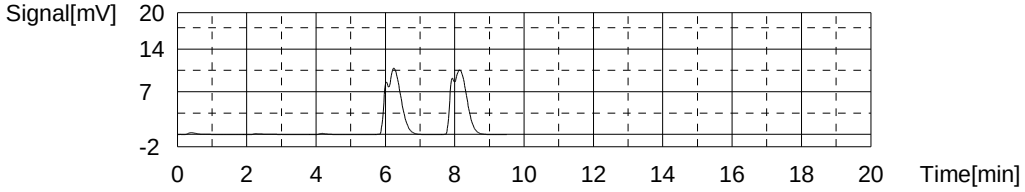
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-1.033mg/L

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

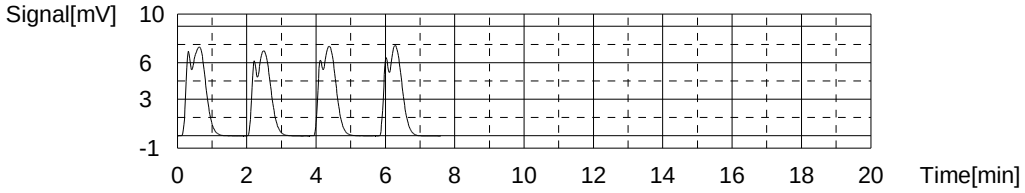
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:12.01mg/L

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

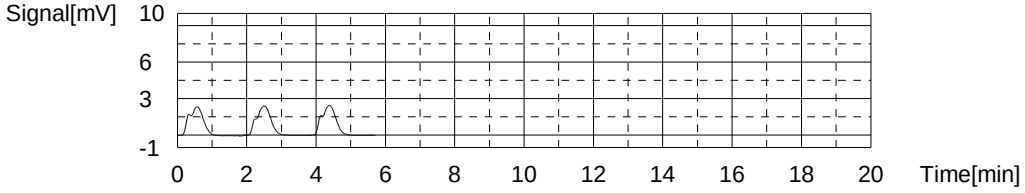
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.704mg/L

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

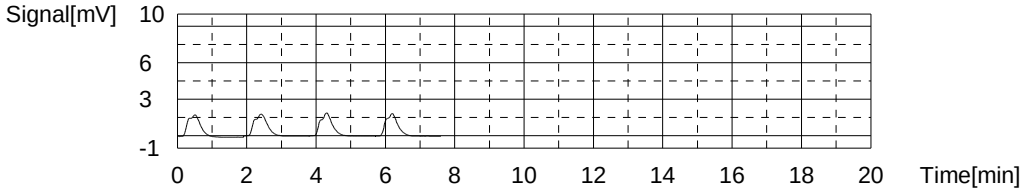
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.287mg/L

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

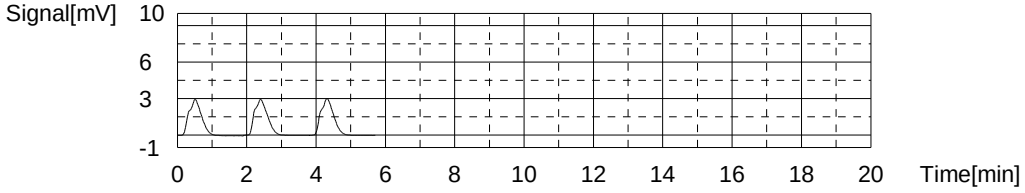
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.084mg/L

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

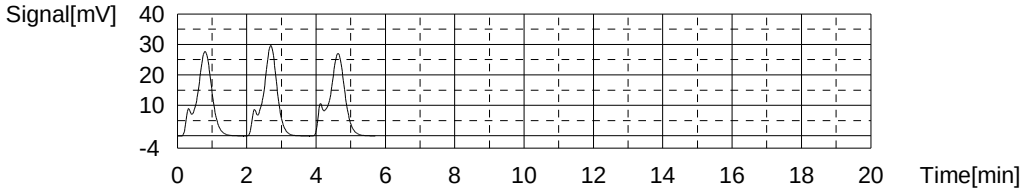
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.04mg/L

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

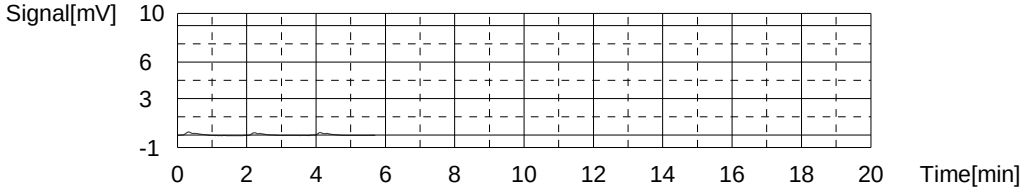
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.9829mg/L

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

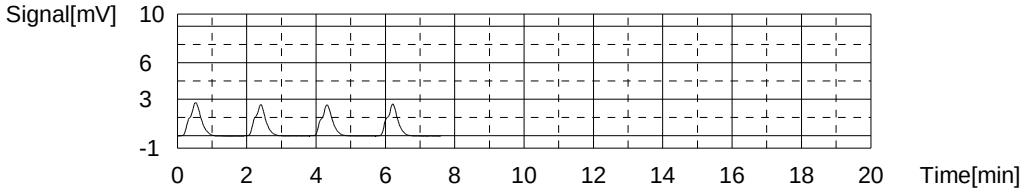
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.899mg/L

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

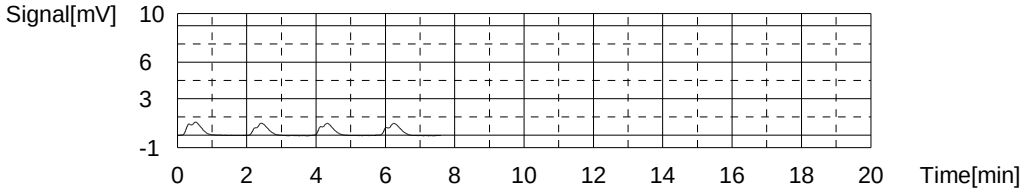
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2283mg/L

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

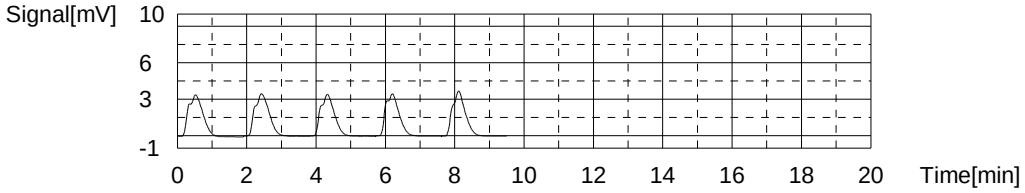
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.065mg/L

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

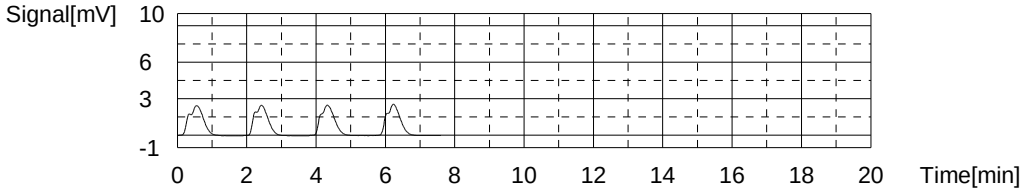
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.633mg/L

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

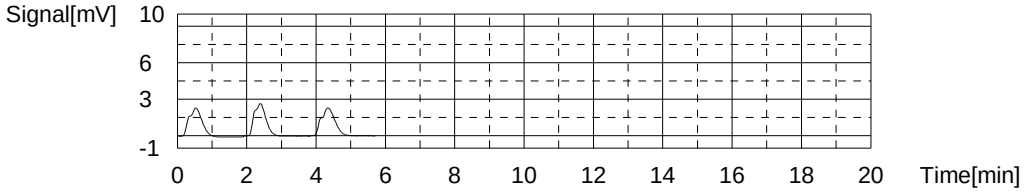
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.300mg/L

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

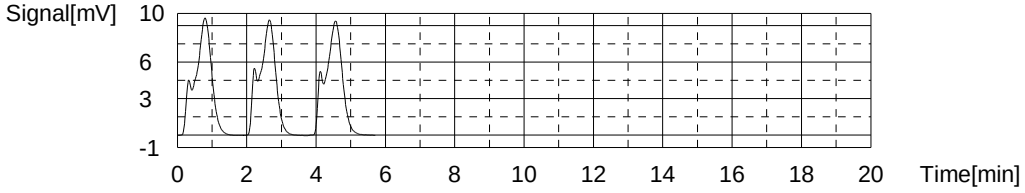
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:17.01mg/L

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

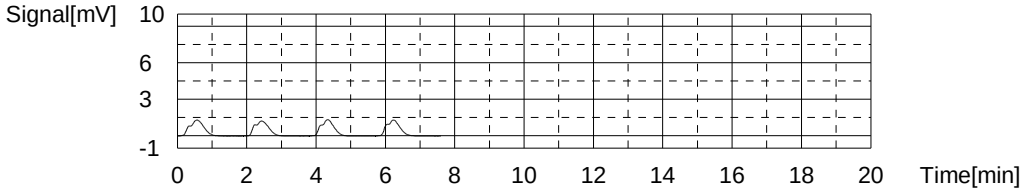
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7197mg/L

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

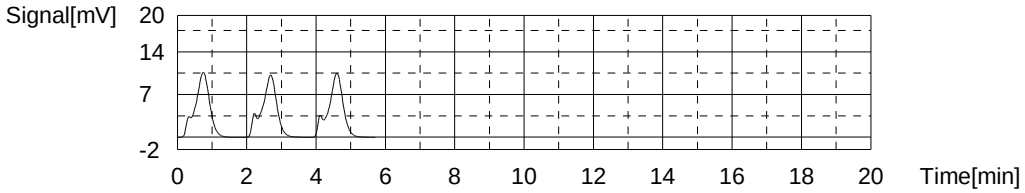
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:16.49mg/L

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

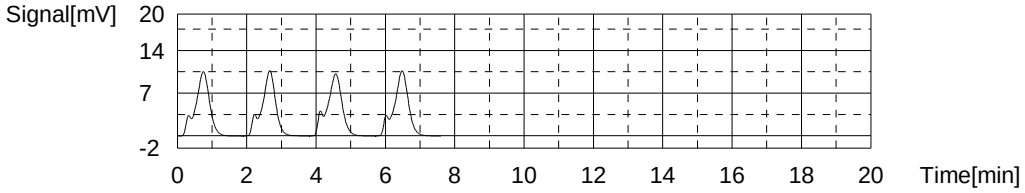
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:16.26mg/L

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

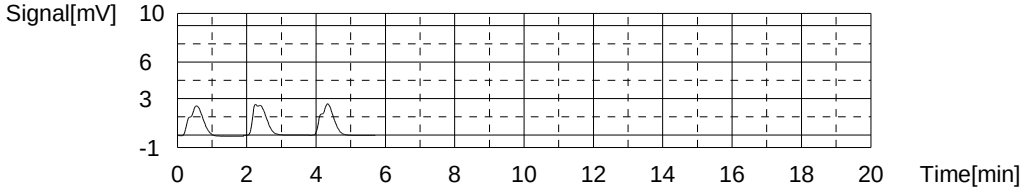
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.553mg/L

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

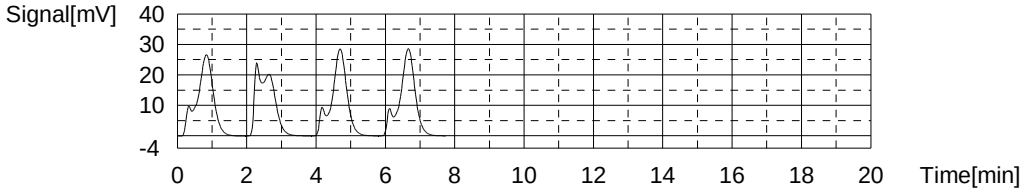
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.22mg/L

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

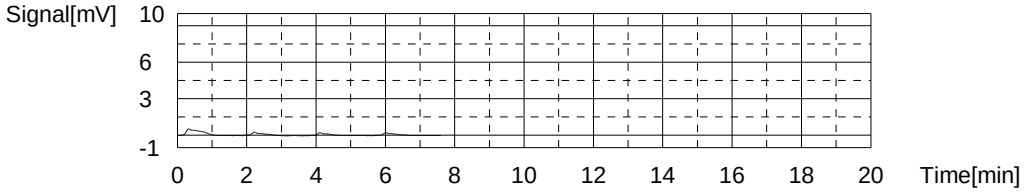
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.9630mg/L

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

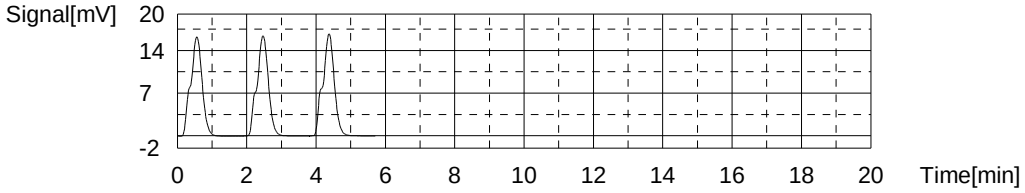
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.52mg/L

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

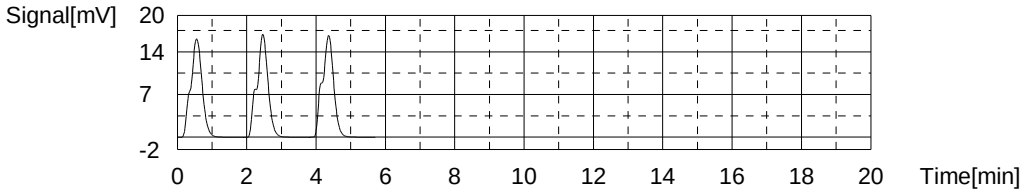
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.34mg/L

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

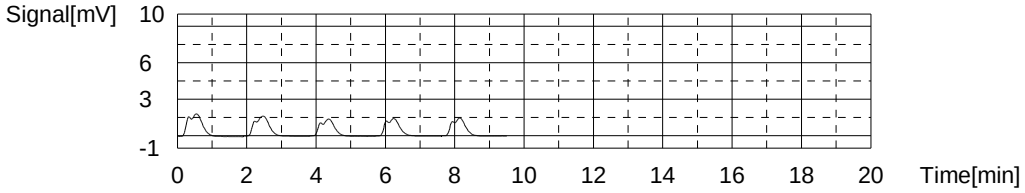
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9737mg/L

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

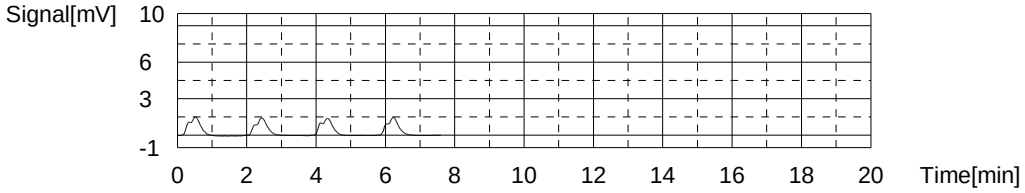
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6925mg/L

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

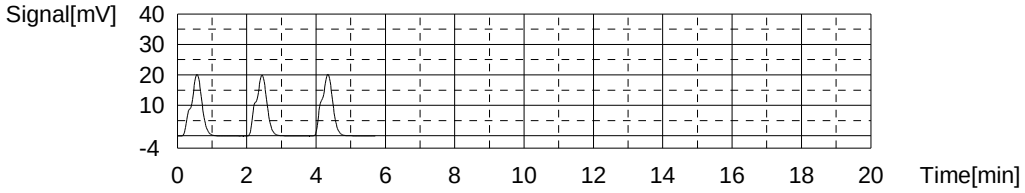
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.04mg/L

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

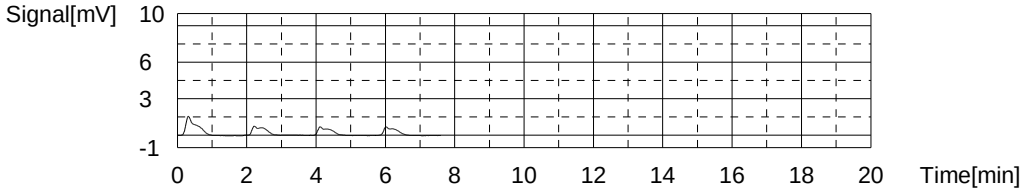
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.2217mg/L

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

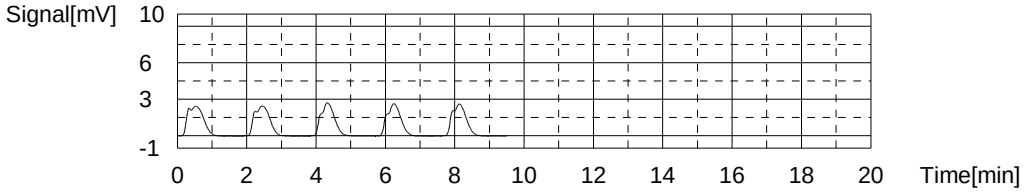
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.972mg/L

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

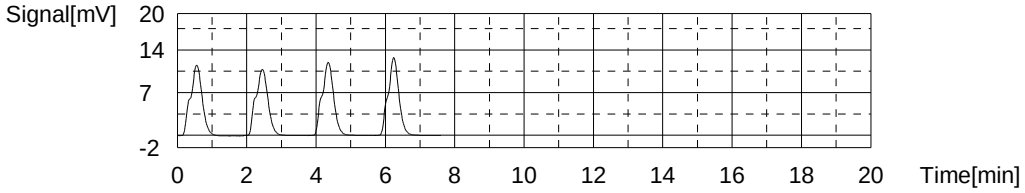
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:14.53mg/L

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

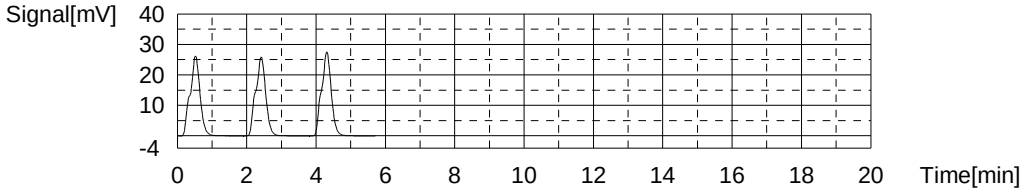
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:28.91mg/L

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

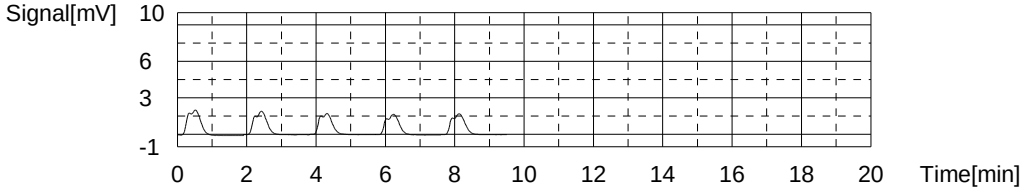
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.250mg/L

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

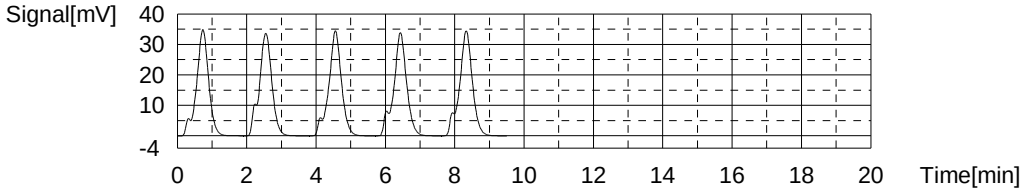
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.75mg/L

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

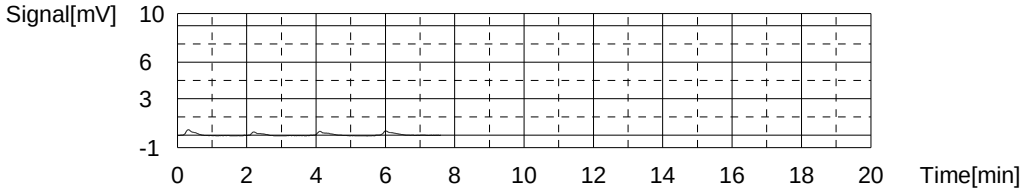
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.8408mg/L

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

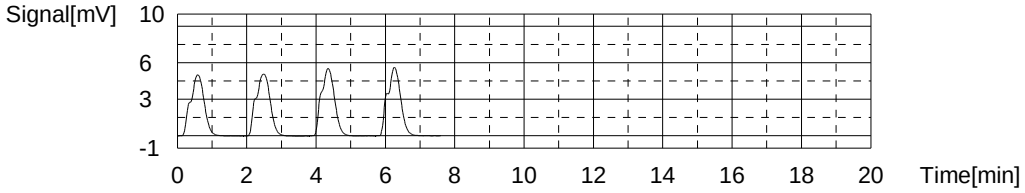
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.137mg/L

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

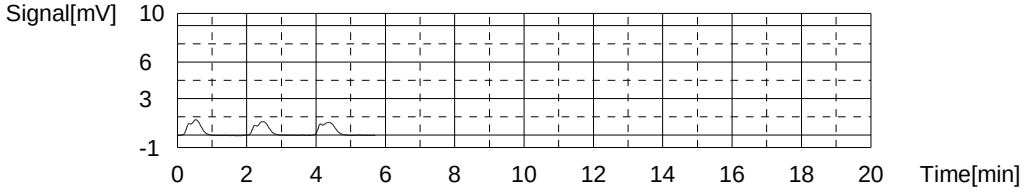
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5509mg/L

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

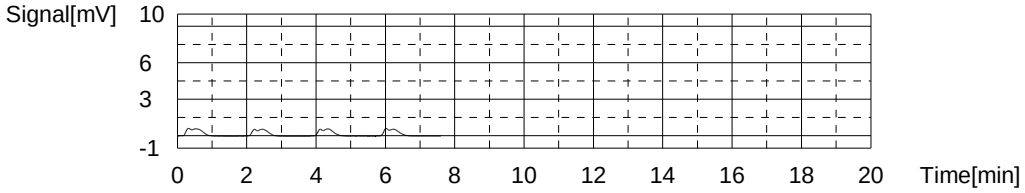
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.3125mg/L

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

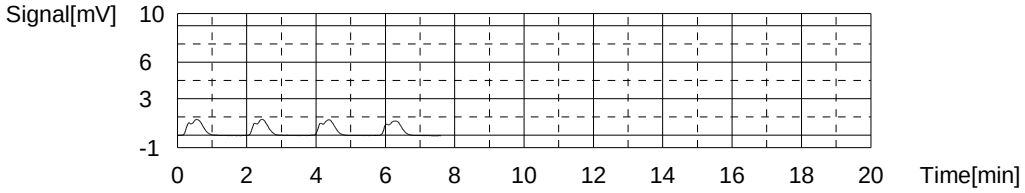
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7948mg/L

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

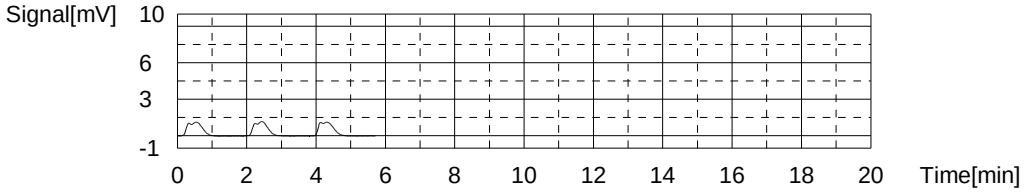
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6463mg/L

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

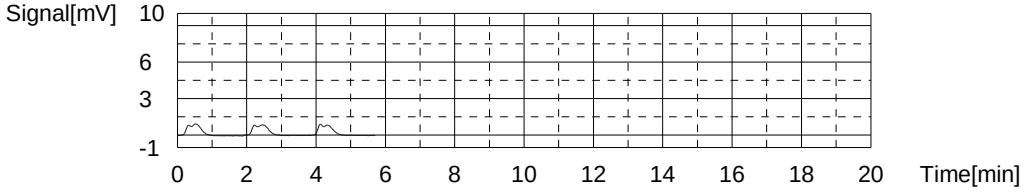
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1834mg/L

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

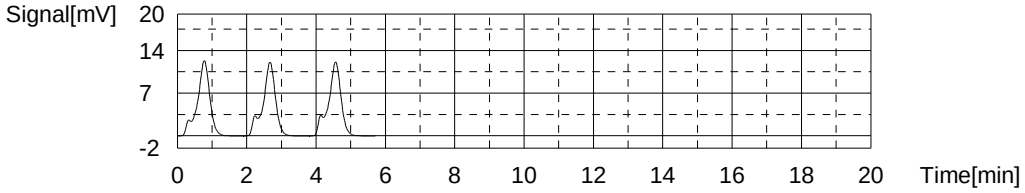
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:16.40mg/L

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

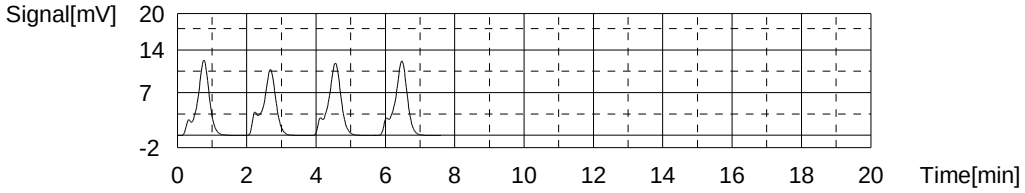
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:16.24mg/L

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

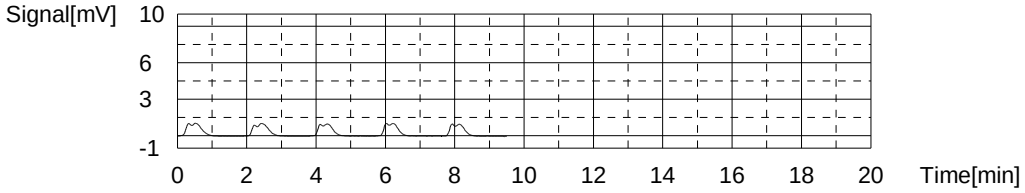
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3093mg/L

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

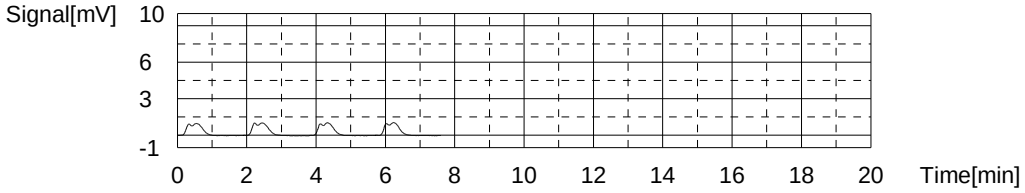
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4206mg/L

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

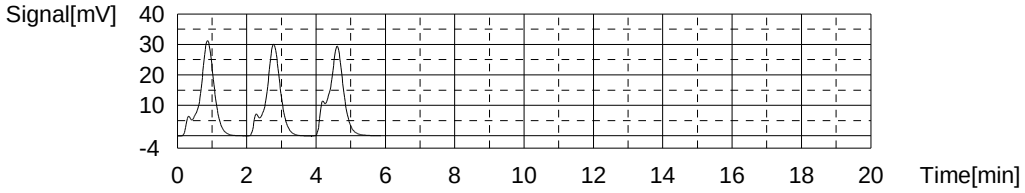
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.35mg/L

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

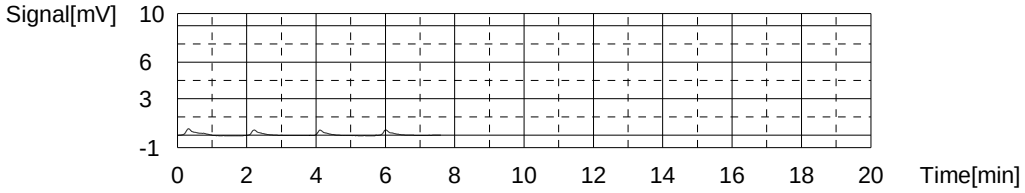
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.8156mg/L

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

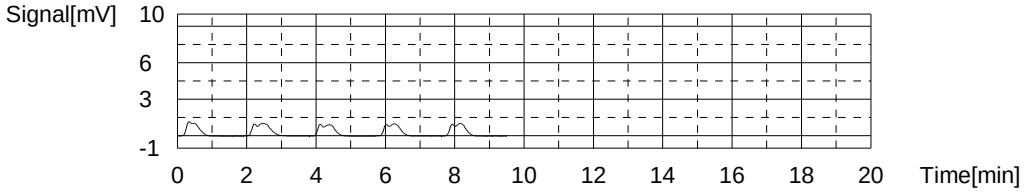
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4485mg/L

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

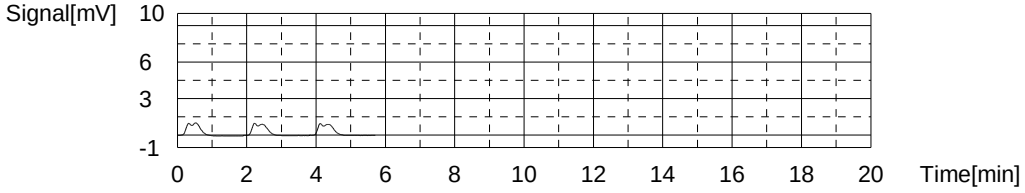
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3070mg/L

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

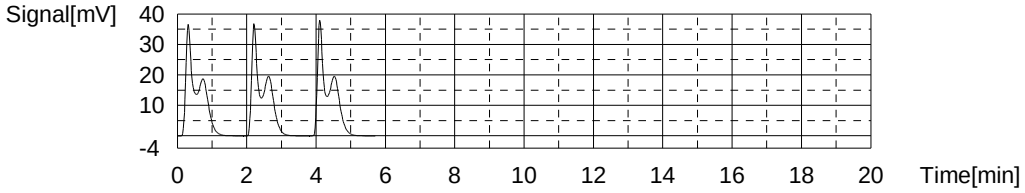
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2437mg/L

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

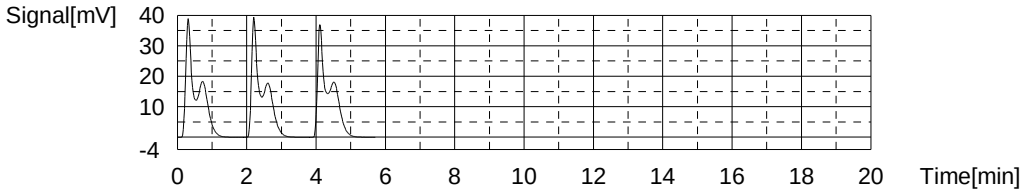
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2413mg/L

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

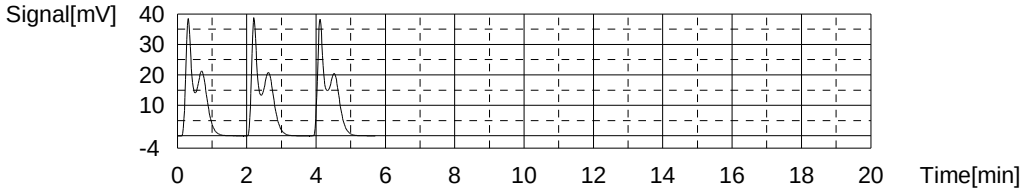
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2582mg/L

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

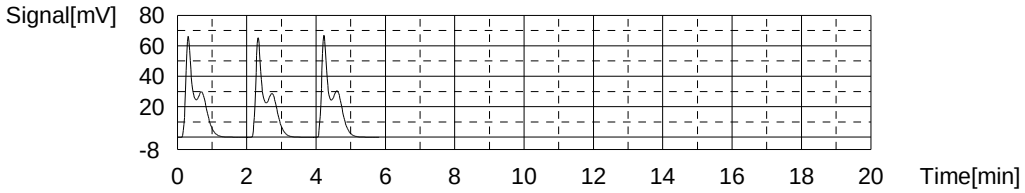
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:820.7mg/L

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

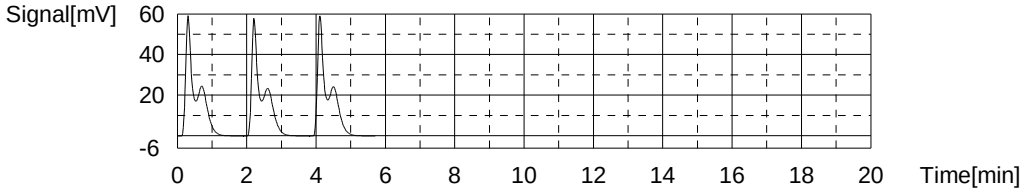
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:678.7mg/L

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

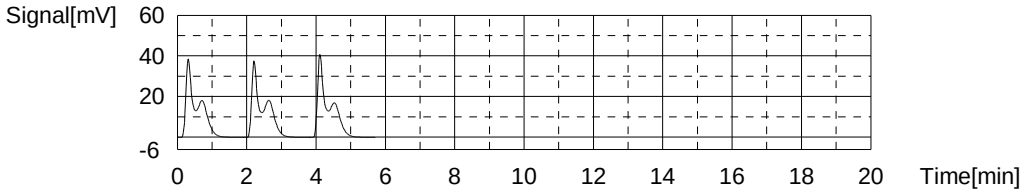
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:966.2mg/L

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

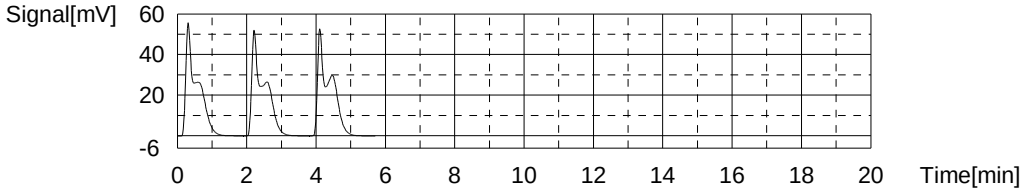
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:354.2mg/L

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

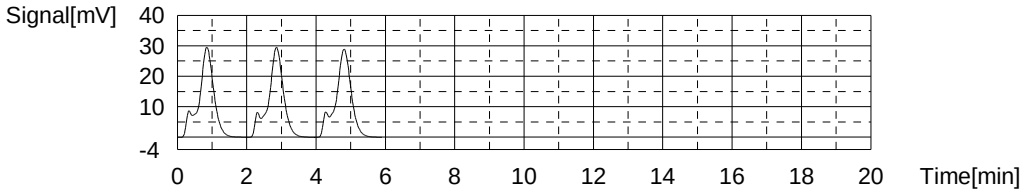
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.06mg/L

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

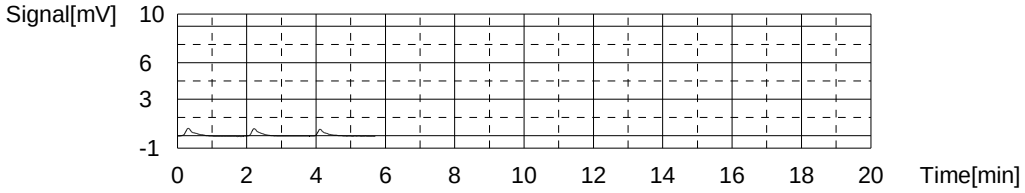
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.6737mg/L

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

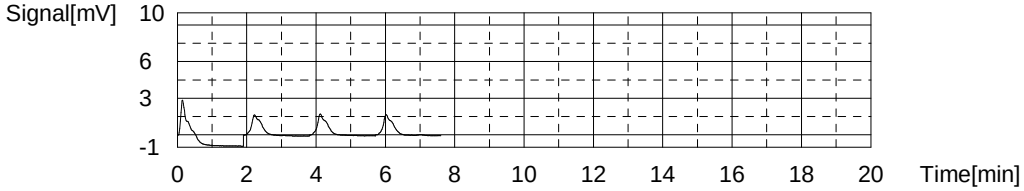
Sample Name:	TC
Sample ID:	TC
Cal. Curve:	TOCCURVE100.2014_03_04_15_36_53.cal
Status	Completed

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

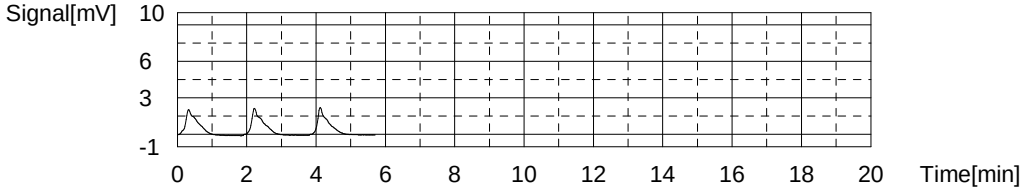
Acid Add. 0.000%
Mean Area 3.045



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

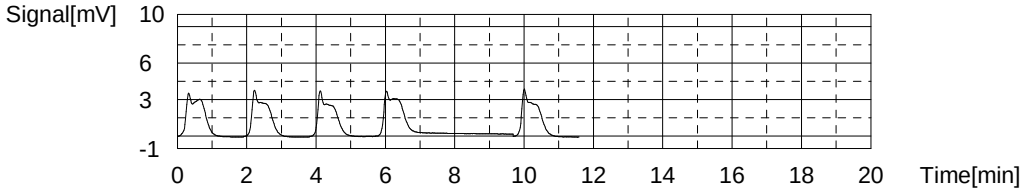
Acid Add. 0.000%
Mean Area 4.589



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

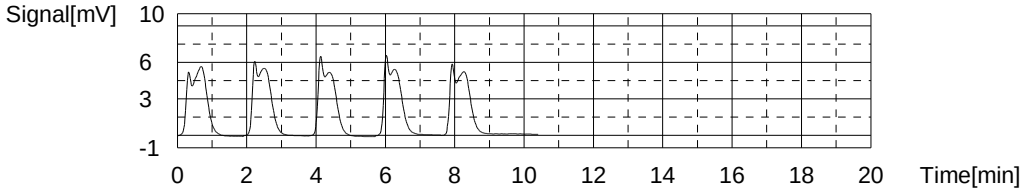
Acid Add. 0.000%
Mean Area 11.17



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

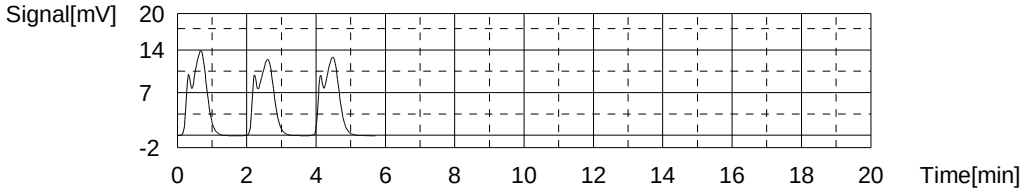
Acid Add. 0.000%
Mean Area 20.16



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

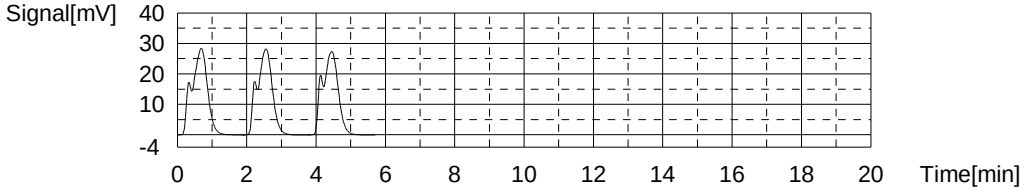
Acid Add. 0.000%
Mean Area 43.69



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

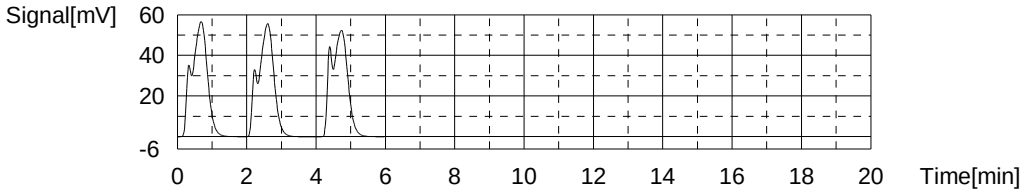
Acid Add. 0.000%
Mean Area 87.61



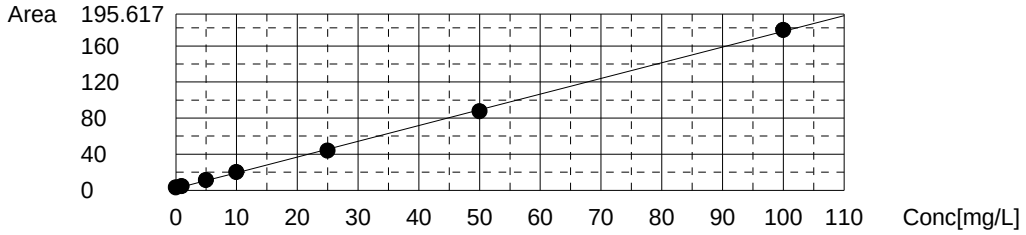
Conc: 100.0mg/L

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



	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	

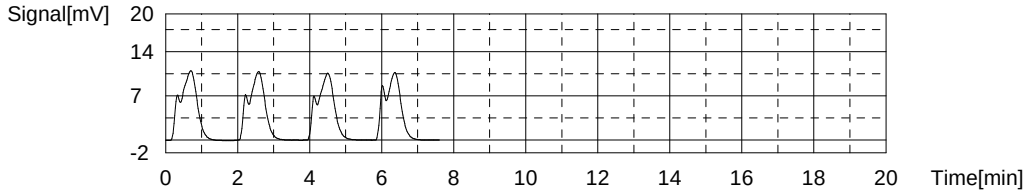
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.25mg/L

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	

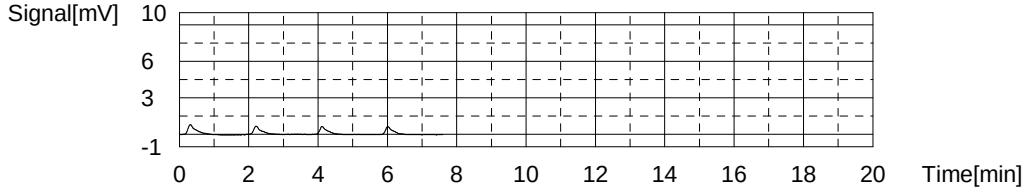
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1476mg/L

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

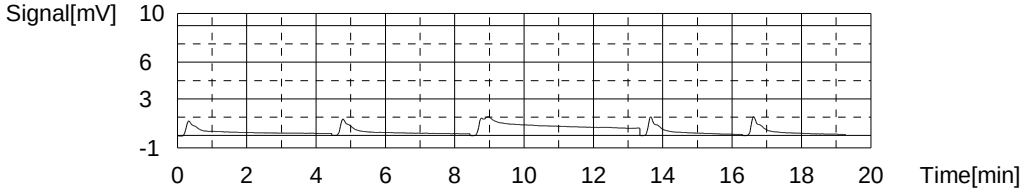
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.312mg/L

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

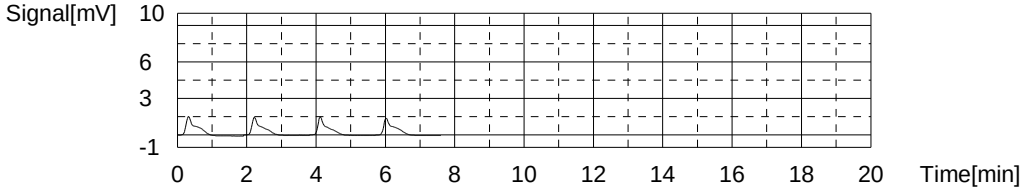
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.199mg/L

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

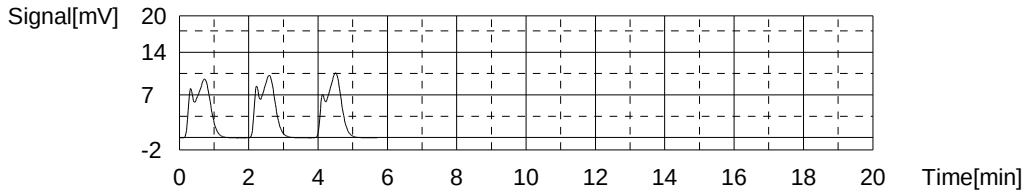
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.05mg/L

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

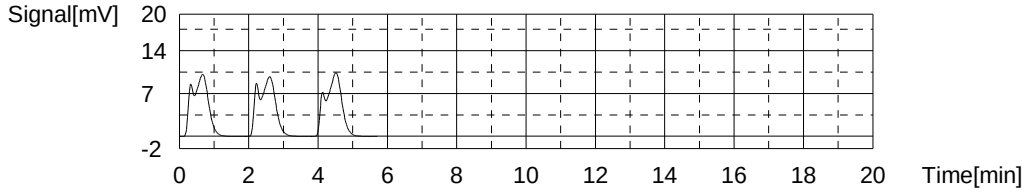
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.90mg/L

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

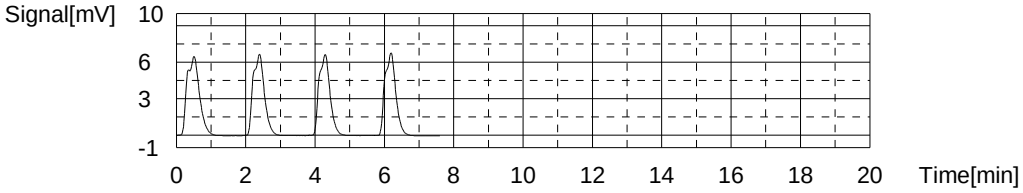
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:79.84mg/L

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

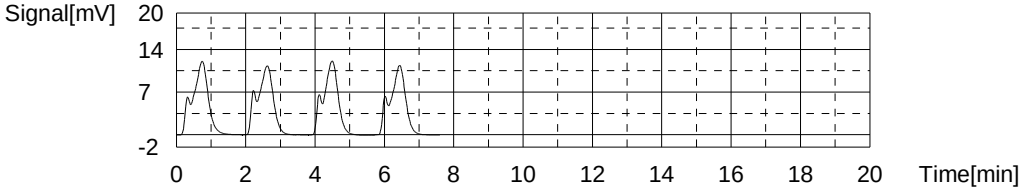
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:20.09mg/L

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

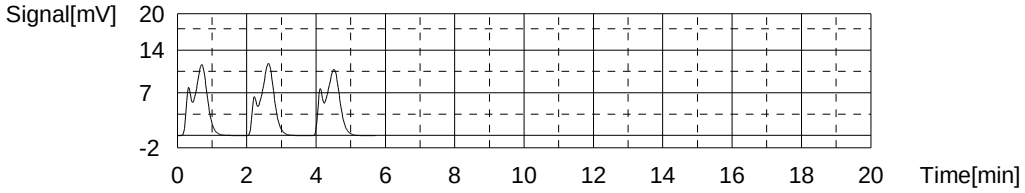
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:19.58mg/L

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

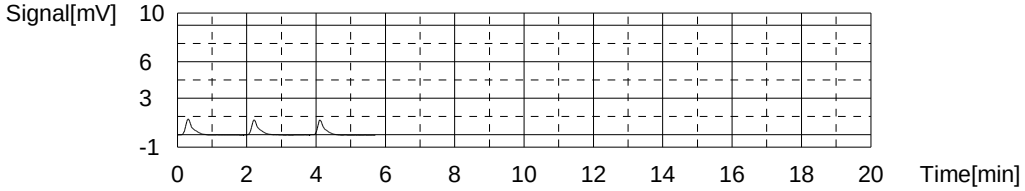
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:0.5780mg/L

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

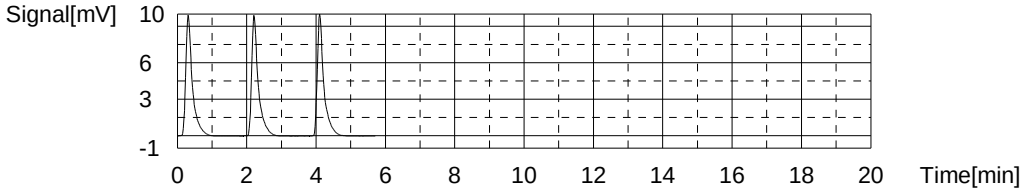
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:6.962mg/L

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

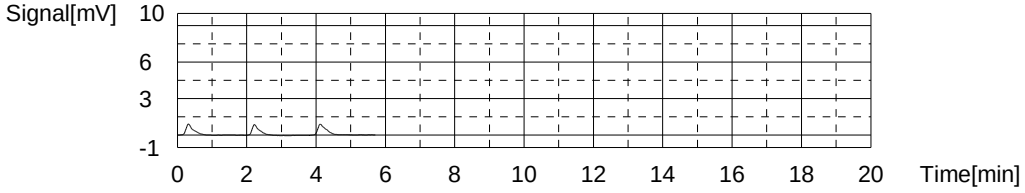
Type	Anal.	Dil.	Result
Unknown	TC	1.000	!!Failed!! TC:-0.4422mg/L

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

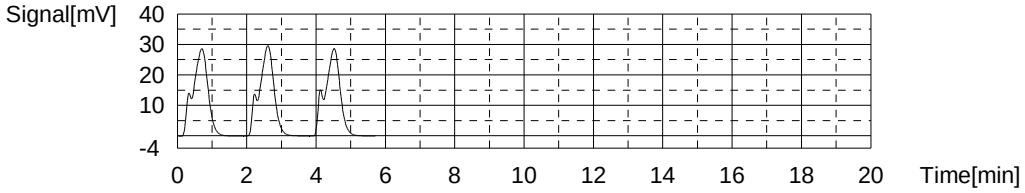
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.43mg/L

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

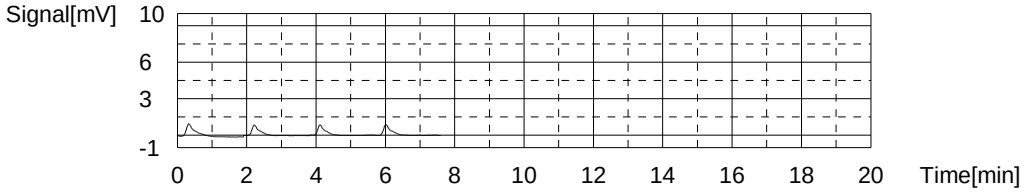
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3284mg/L

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

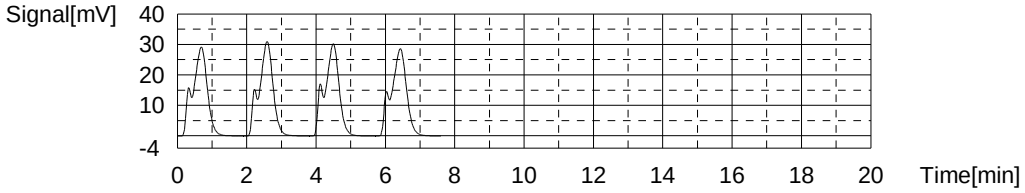
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.55mg/L

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

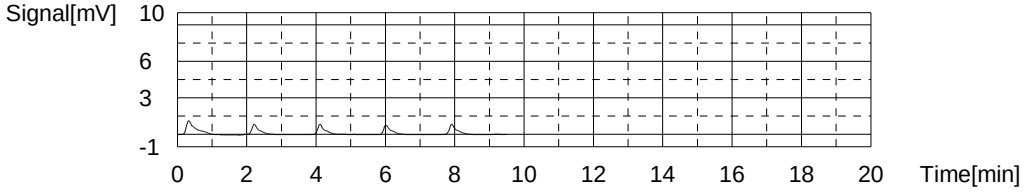
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2646mg/L

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

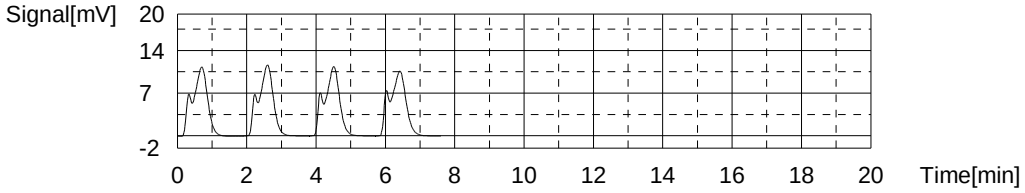
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.40mg/L

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

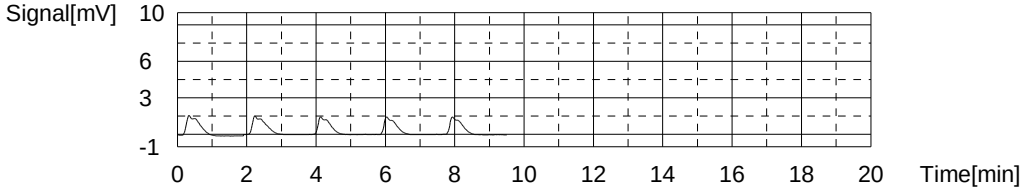
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.556mg/L

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

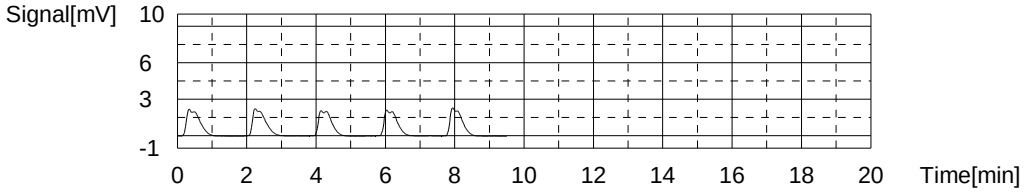
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.658mg/L

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

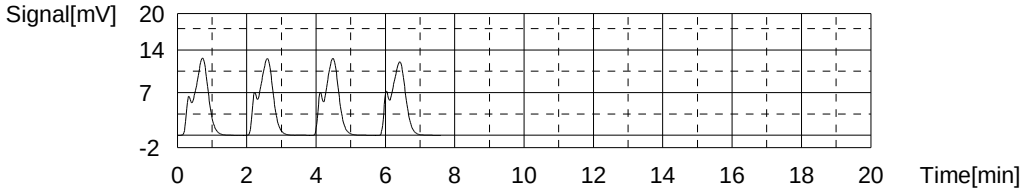
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.01mg/L

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

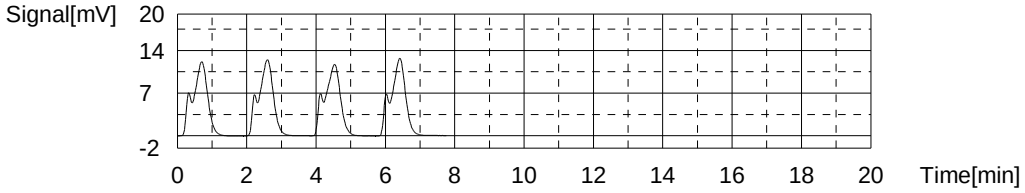
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.82mg/L

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

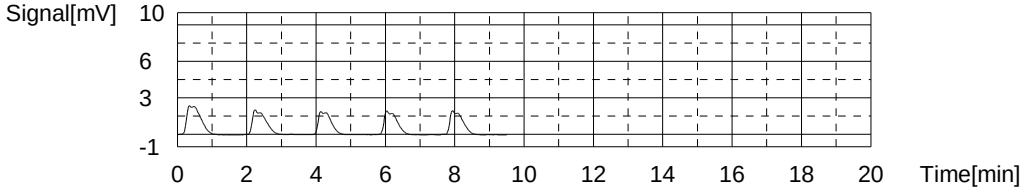
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.376mg/L

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

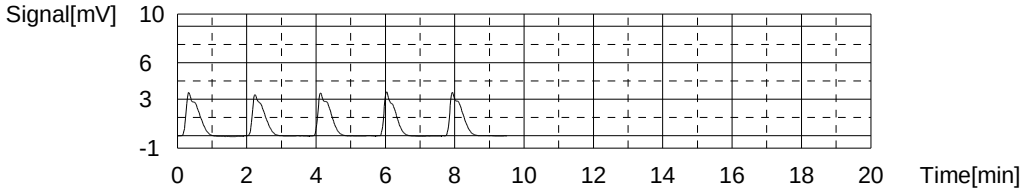
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.203mg/L

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

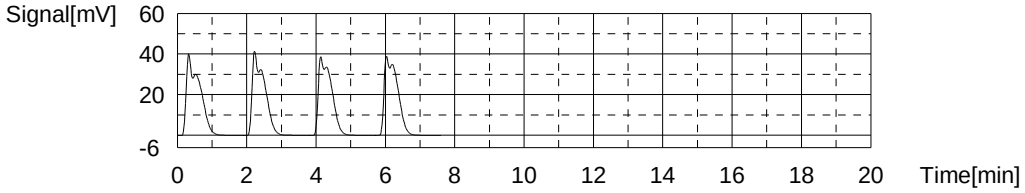
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:576.0mg/L

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

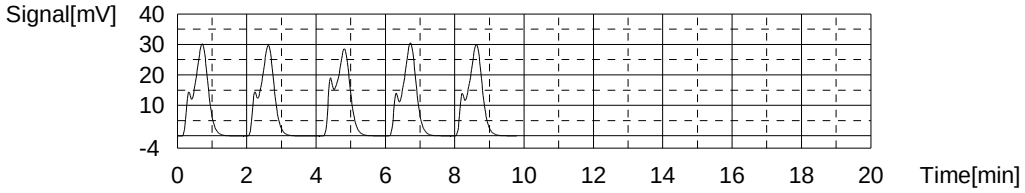
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.12mg/L

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

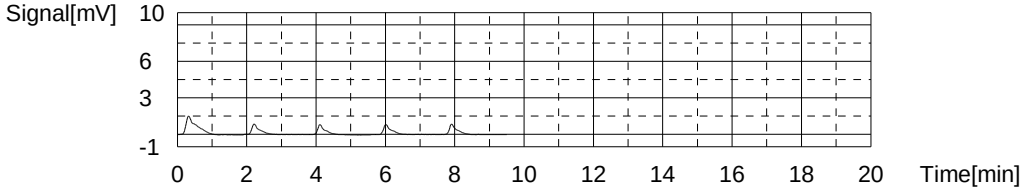
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3102mg/L

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	

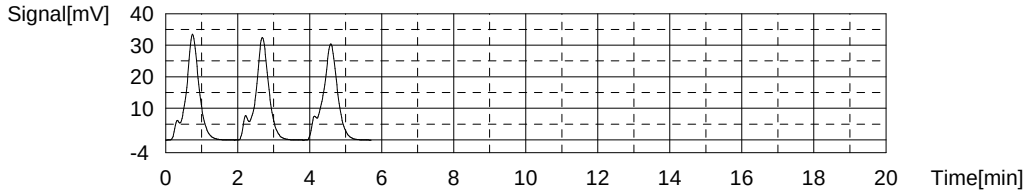
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:47.75mg/L

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	

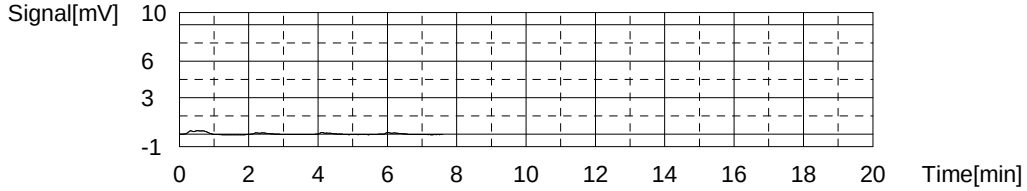
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-1.051mg/L

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

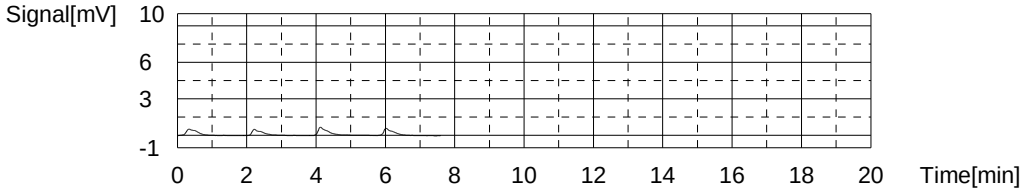
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.6390mg/L

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

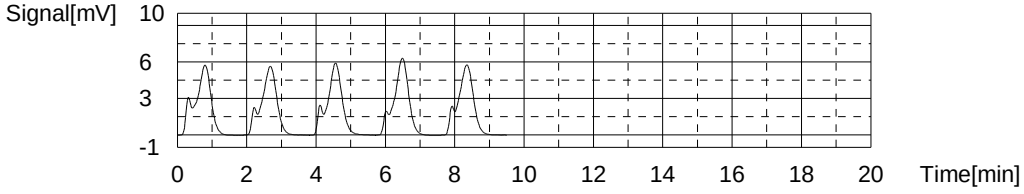
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.943mg/L

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

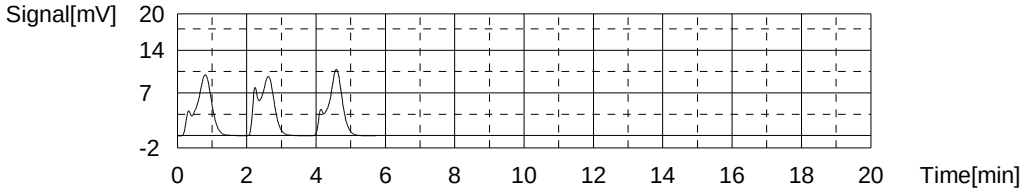
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:17.29mg/L

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

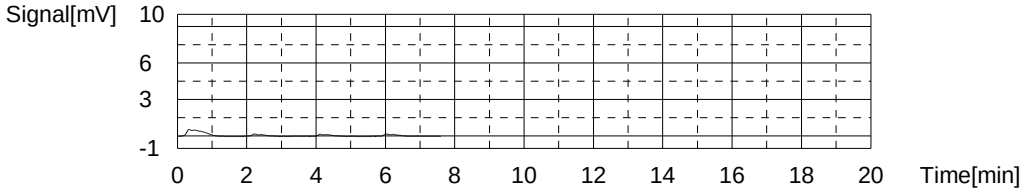
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-1.019mg/L

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

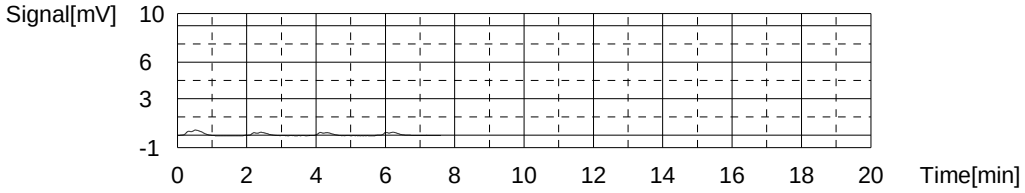
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-4.333mg/L

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

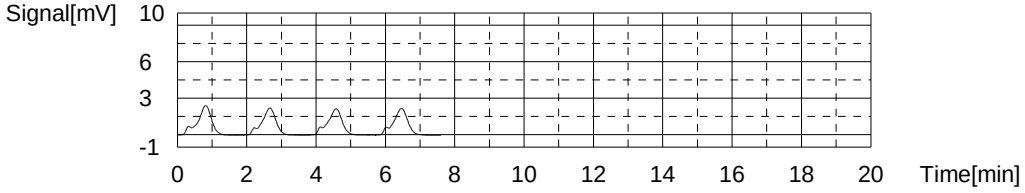
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:11.71mg/L

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

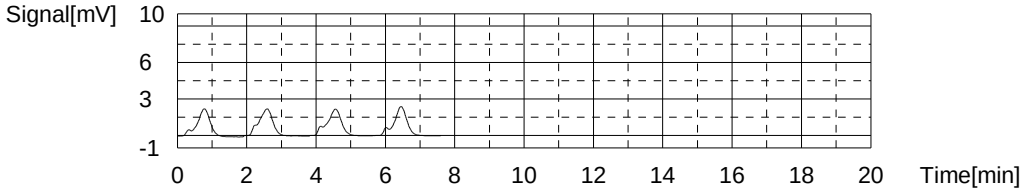
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:11.56mg/L

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

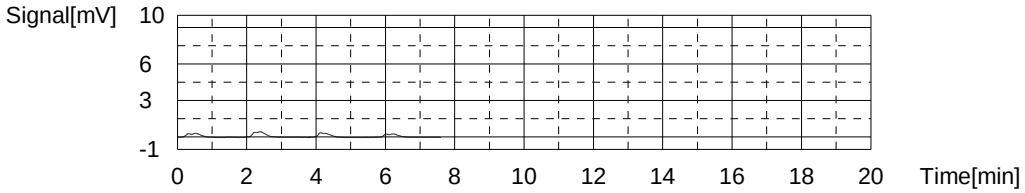
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-3.990mg/L

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

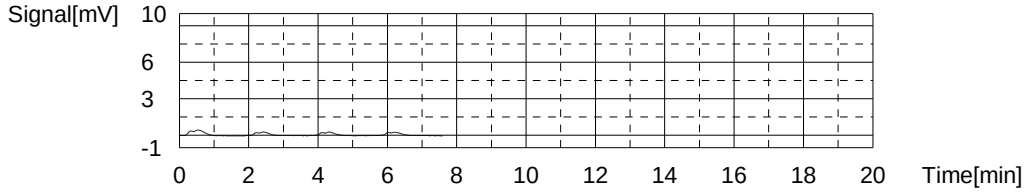
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-4.156mg/L

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

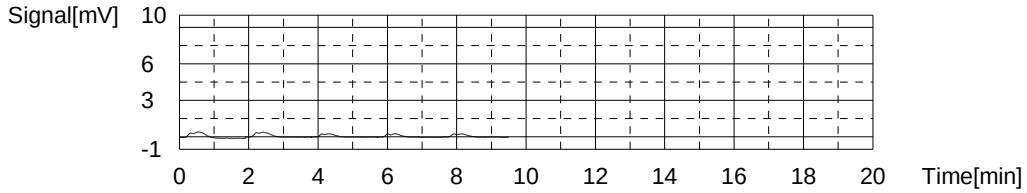
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-4.059mg/L

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

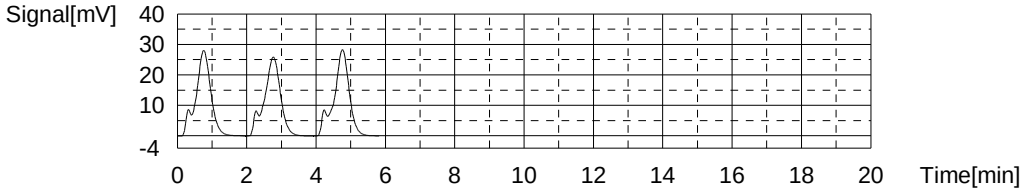
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:47.61mg/L

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

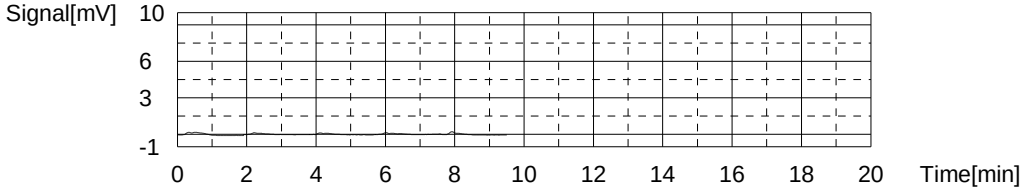
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-1.063mg/L

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

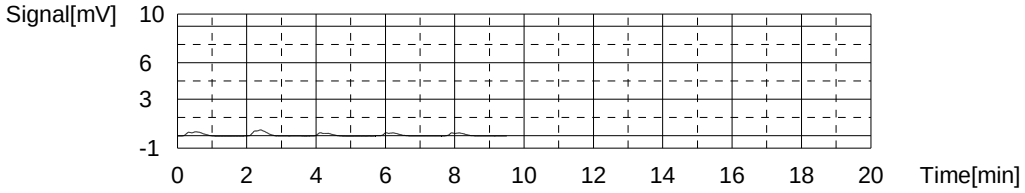
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-4.200mg/L

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

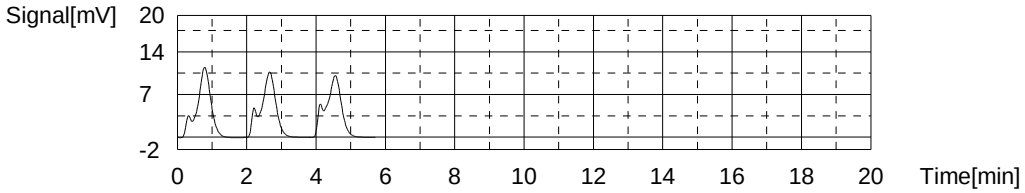
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:17.19mg/L

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

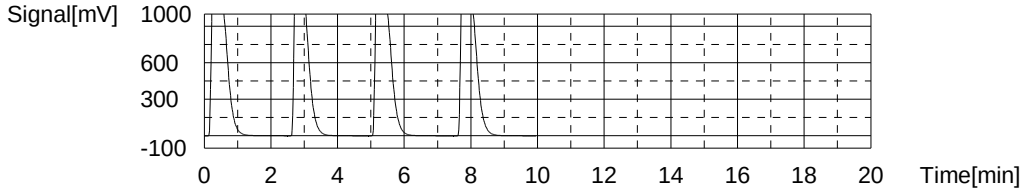
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2242mg/L

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

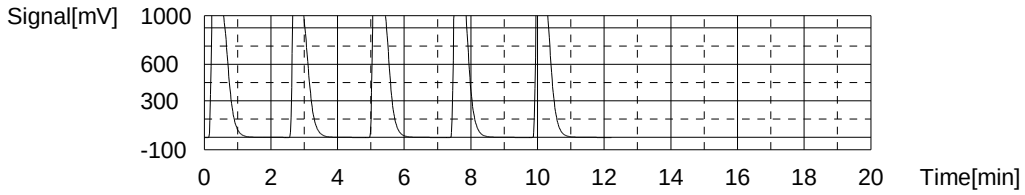
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2158mg/L

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

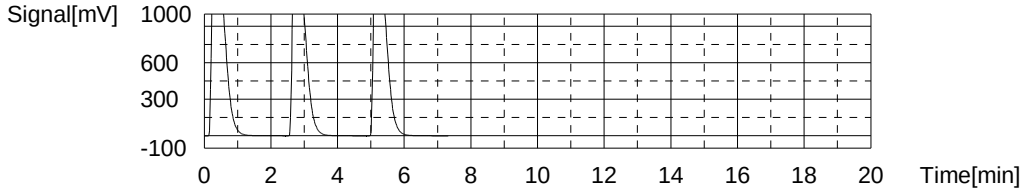
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2160mg/L

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

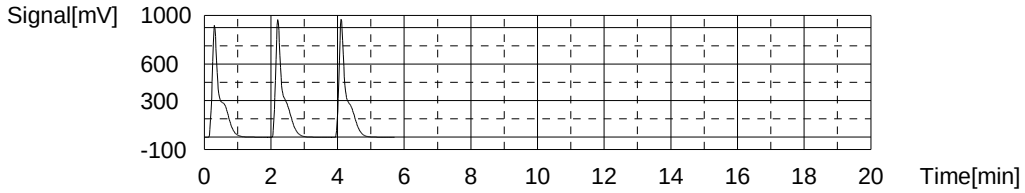
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:869.2mg/L

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

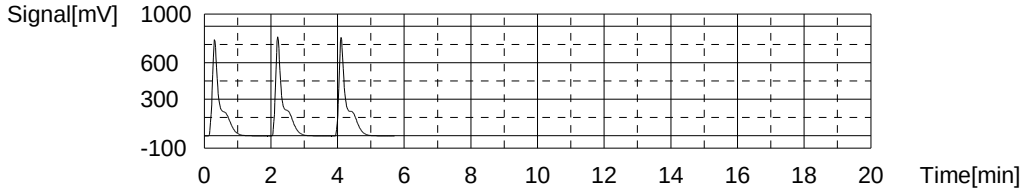
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:726.6mg/L

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

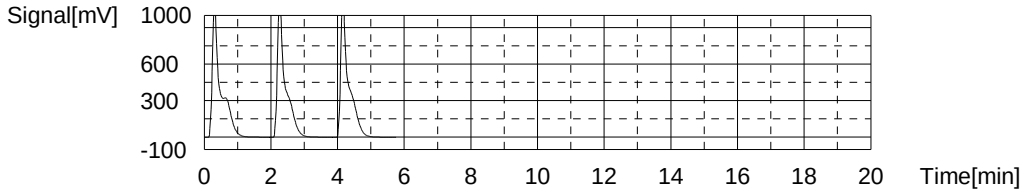
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1078mg/L

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

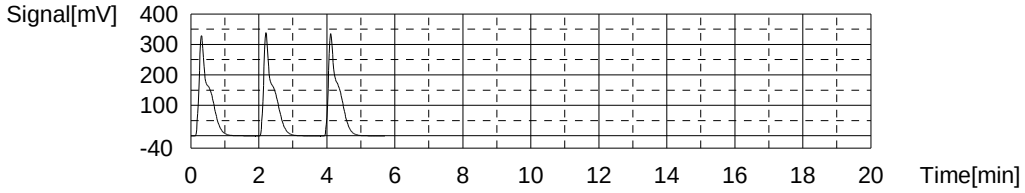
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:369.7mg/L

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

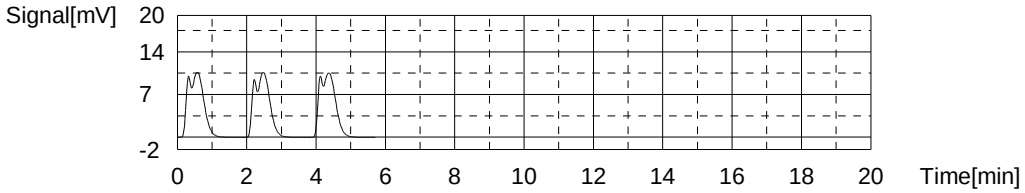
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:17.97mg/L

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

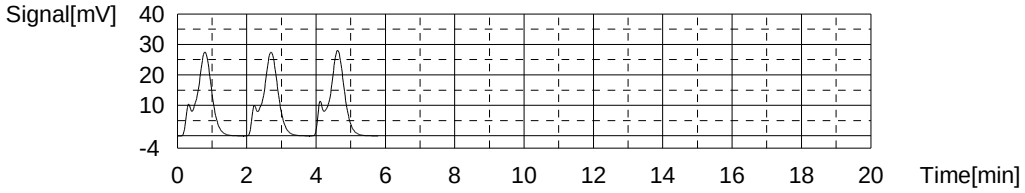
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.06mg/L

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

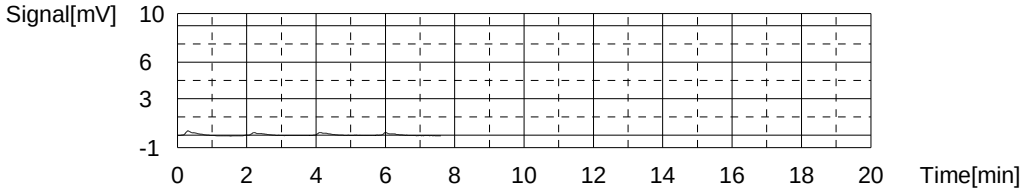
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.9736mg/L

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

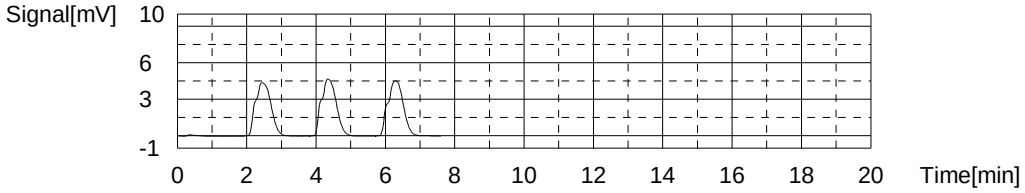
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.680mg/L

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

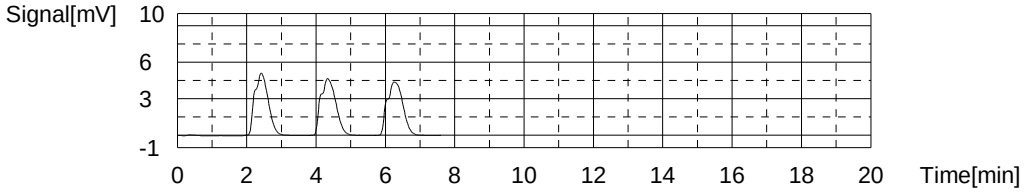
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.716mg/L

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

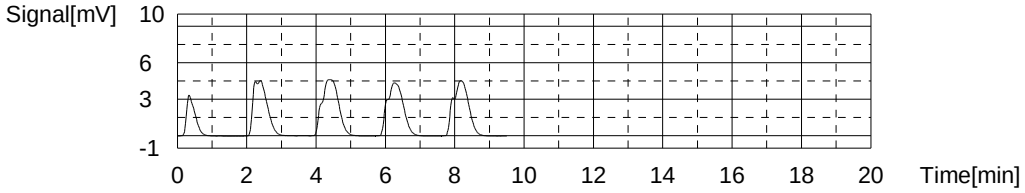
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.097mg/L

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

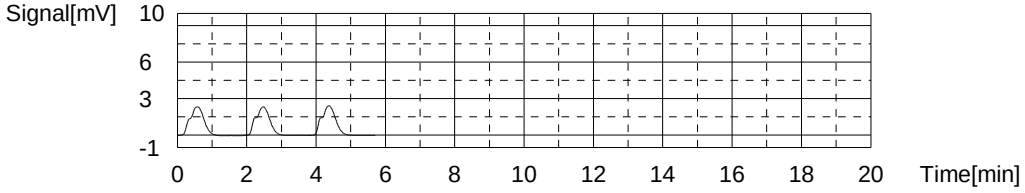
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.535mg/L

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

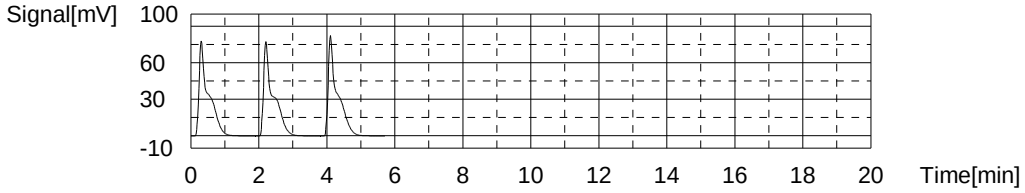
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:84.71mg/L

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

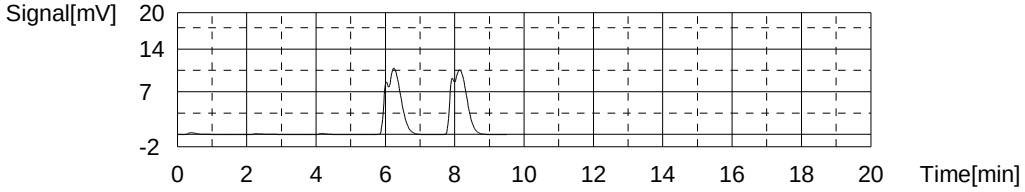
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-1.033mg/L

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

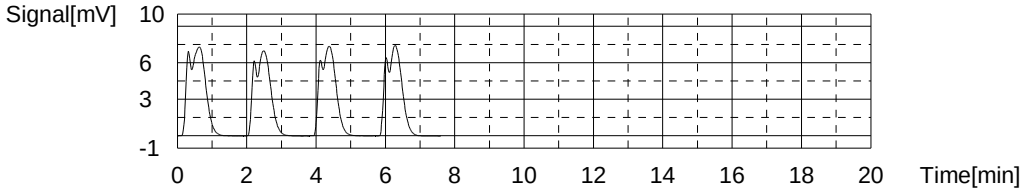
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:12.01mg/L

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

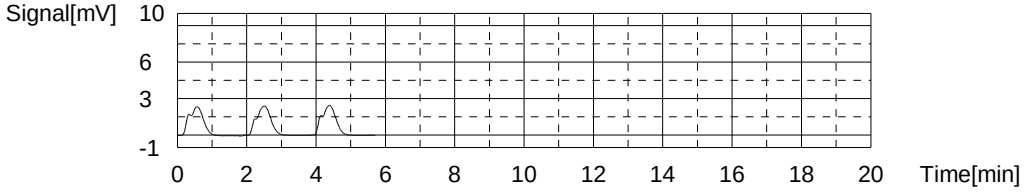
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.704mg/L

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

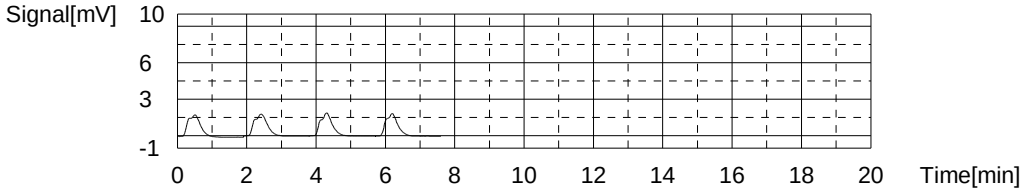
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.287mg/L

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

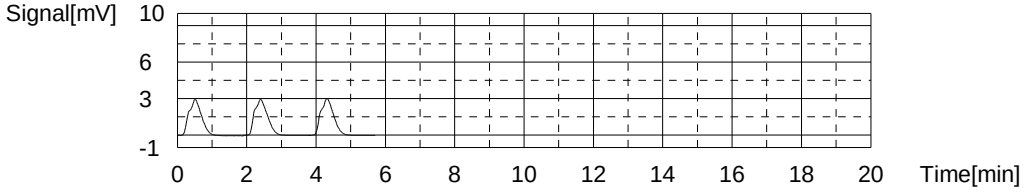
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.084mg/L

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

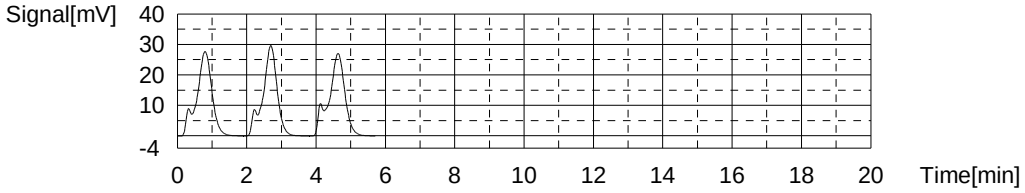
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.04mg/L

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

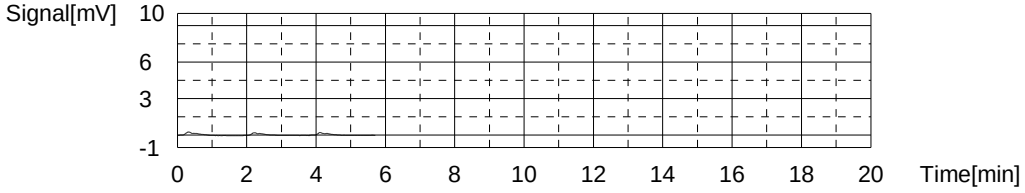
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.9829mg/L

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

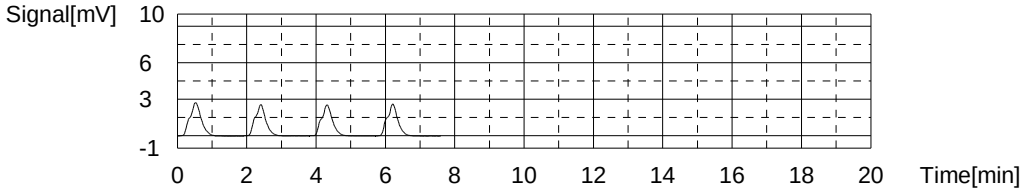
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.899mg/L

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

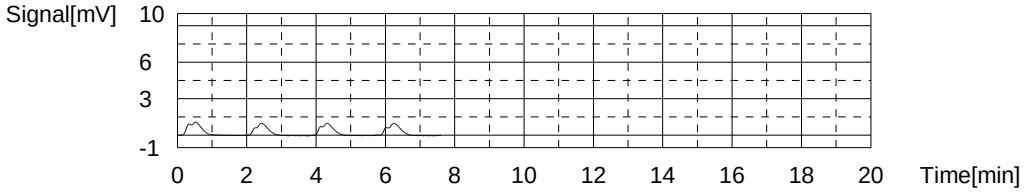
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2283mg/L

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

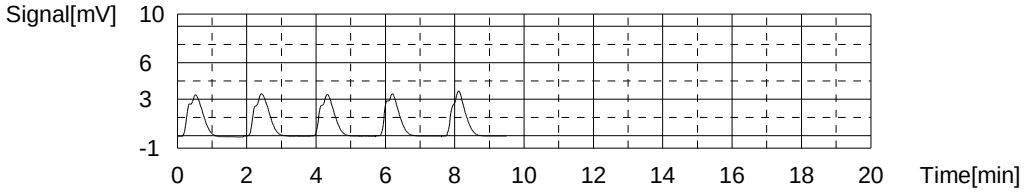
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.065mg/L

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

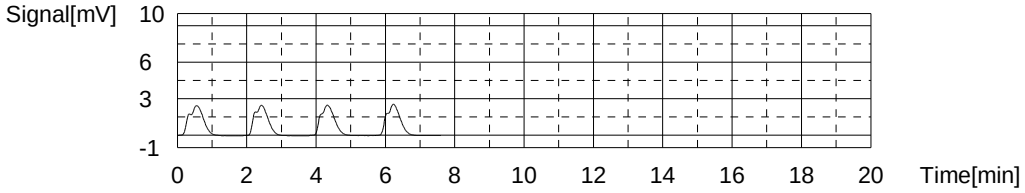
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.633mg/L

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

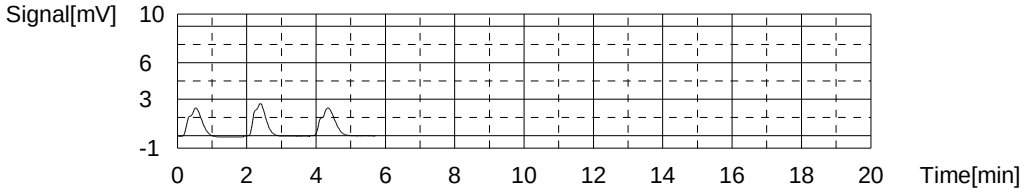
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.300mg/L

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

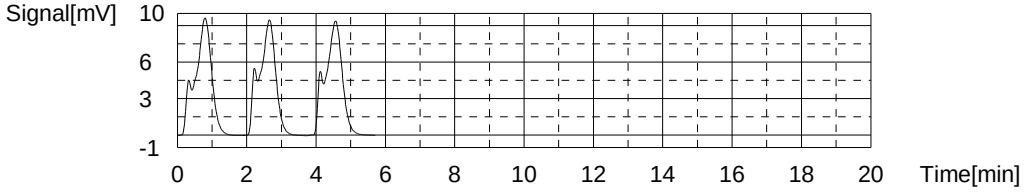
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:17.01mg/L

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

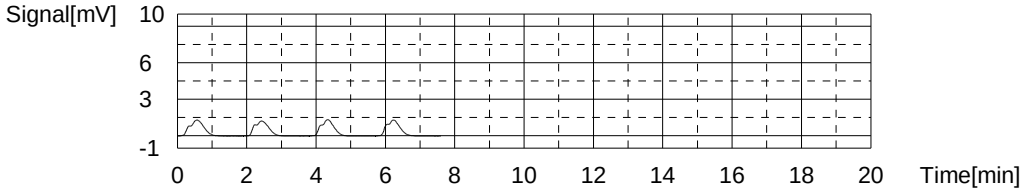
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7197mg/L

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

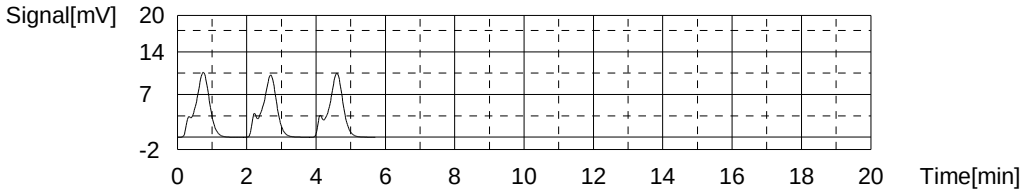
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:16.49mg/L

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

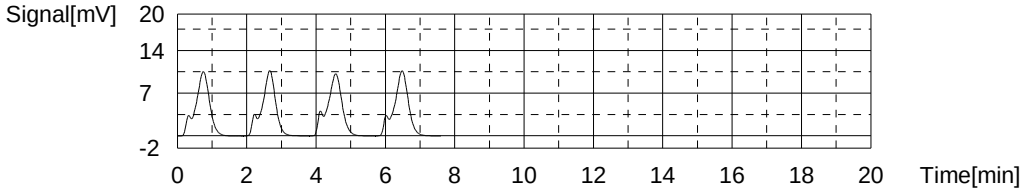
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:16.26mg/L

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

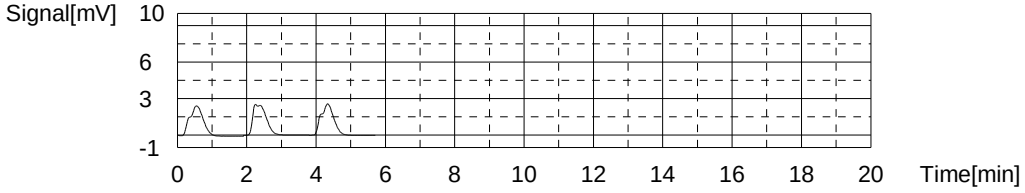
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.553mg/L

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

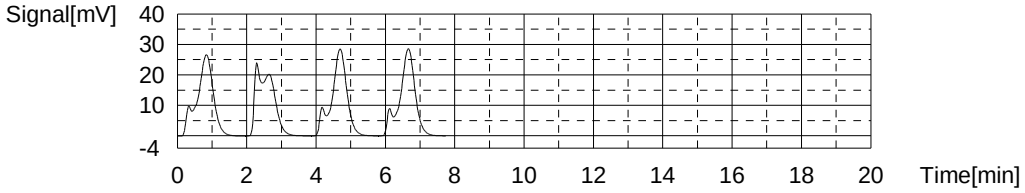
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.22mg/L

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

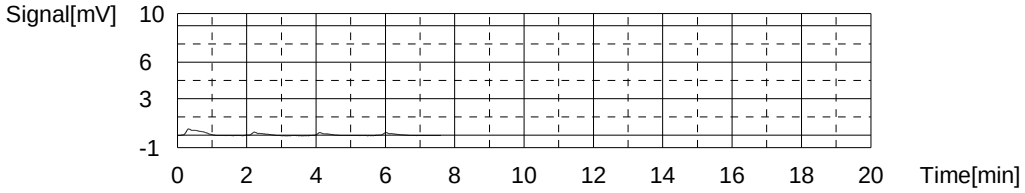
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.9630mg/L

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

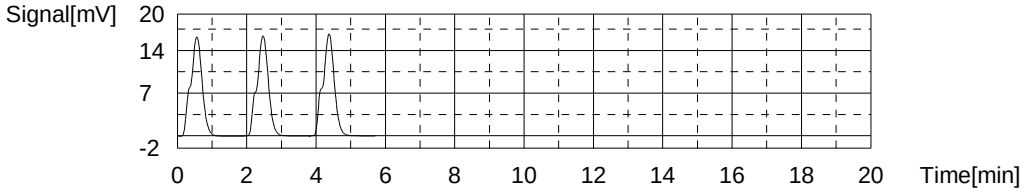
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.52mg/L

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

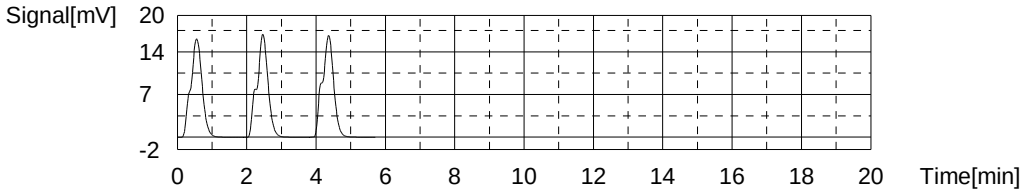
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.34mg/L

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

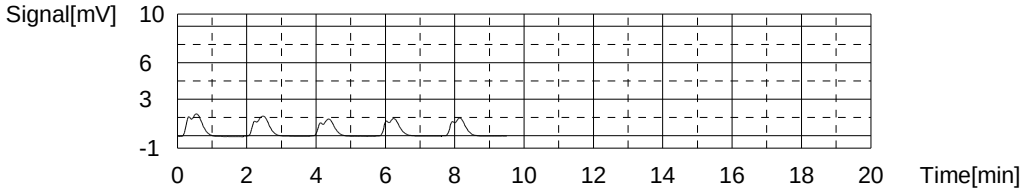
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9737mg/L

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

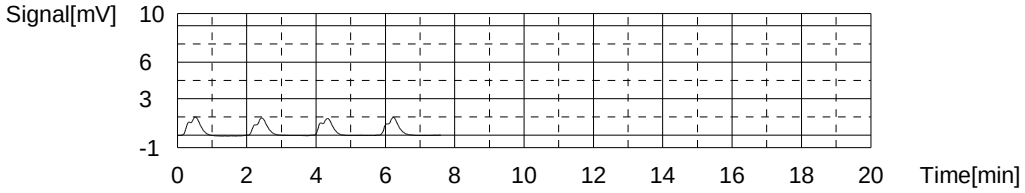
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6925mg/L

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

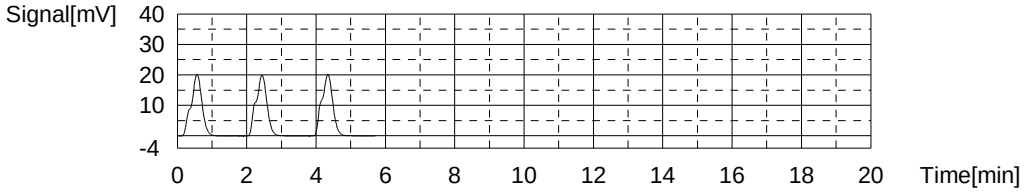
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.04mg/L

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

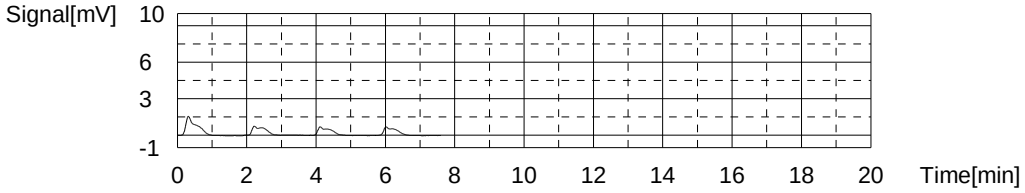
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.2217mg/L

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

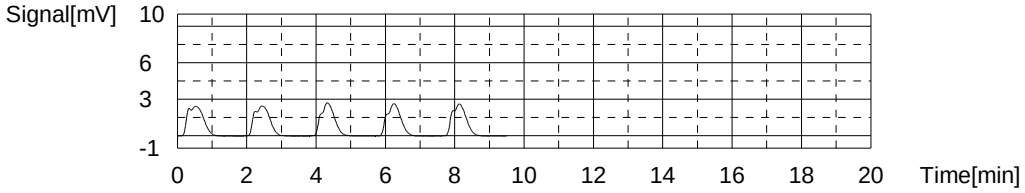
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.972mg/L

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

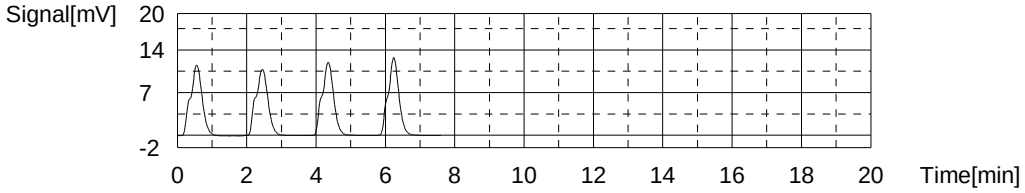
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:14.53mg/L

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

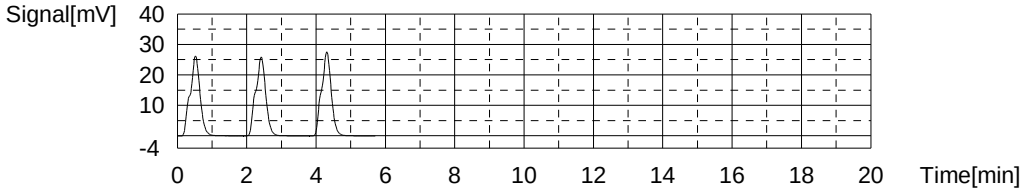
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:28.91mg/L

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

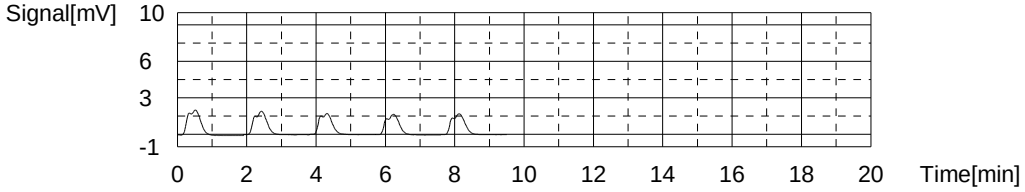
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.250mg/L

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

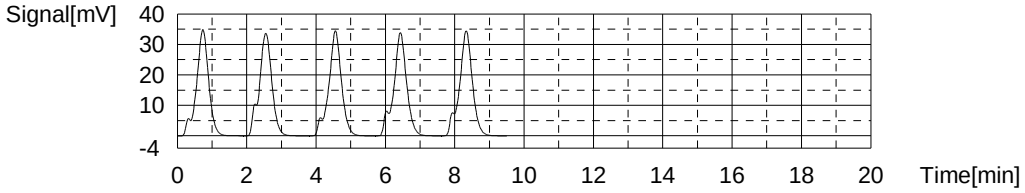
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.75mg/L

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

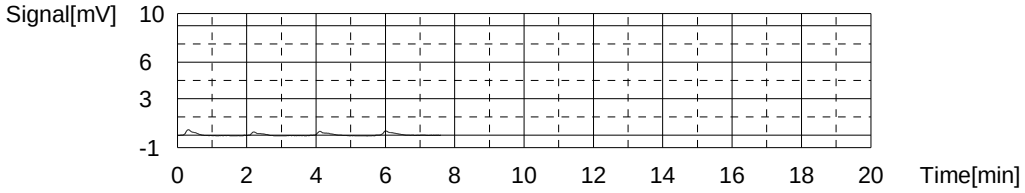
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.8408mg/L

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

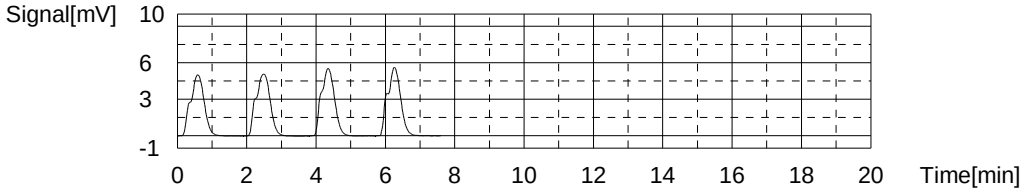
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.137mg/L

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

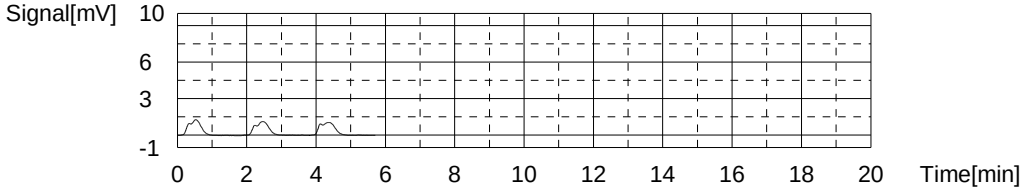
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5509mg/L

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

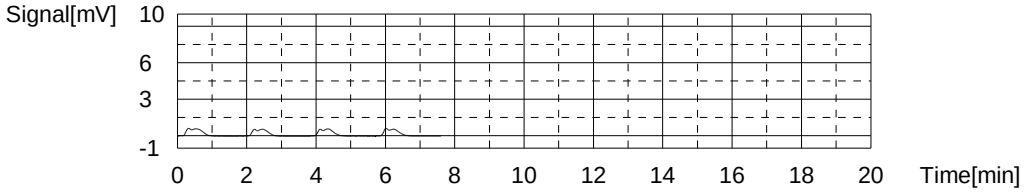
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.3125mg/L

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

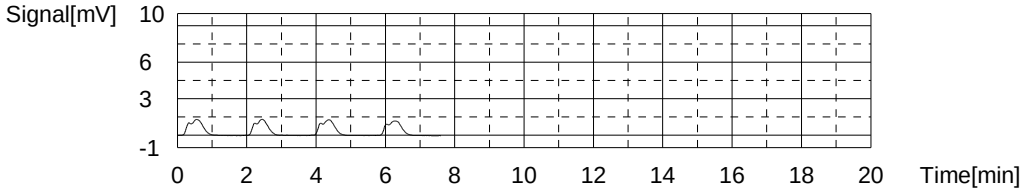
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7948mg/L

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

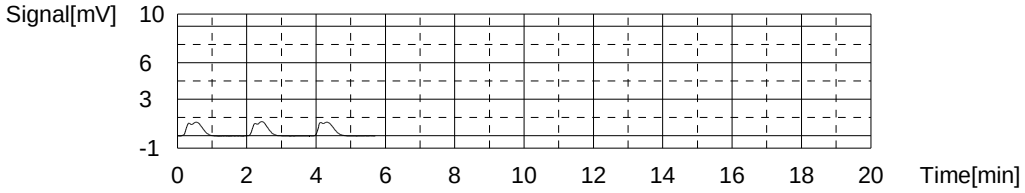
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6463mg/L

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

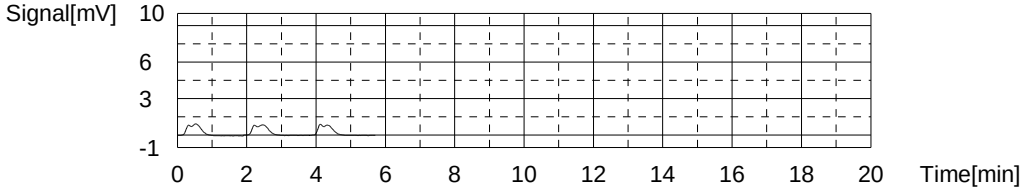
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1834mg/L

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

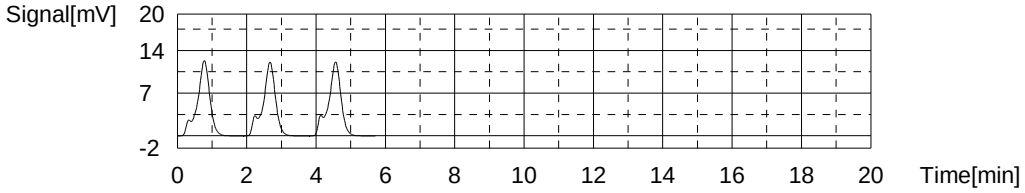
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:16.40mg/L

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

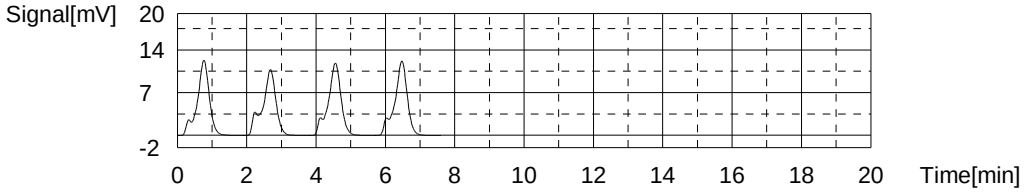
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:16.24mg/L

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

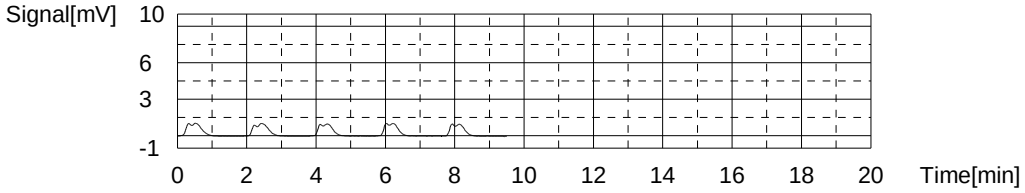
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3093mg/L

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

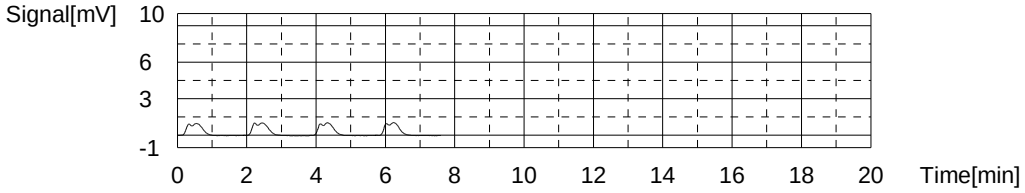
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4206mg/L

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

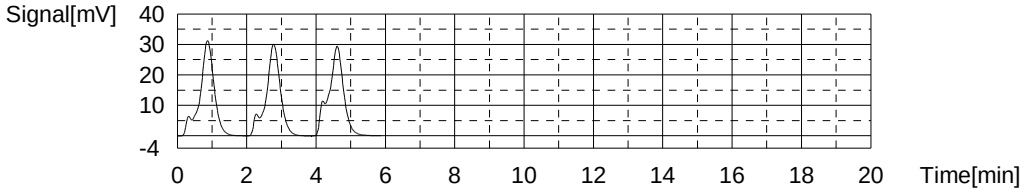
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.35mg/L

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

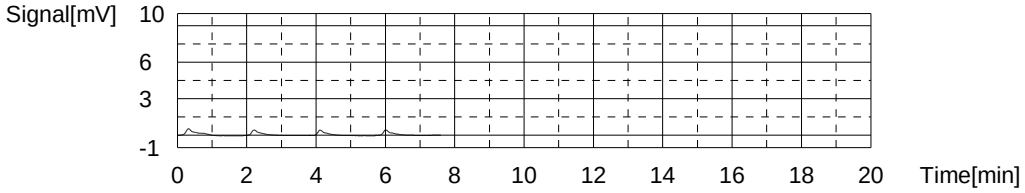
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.8156mg/L

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

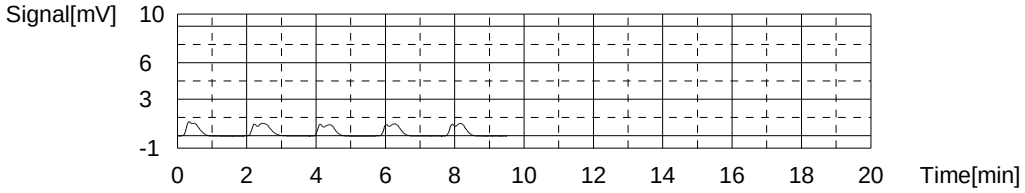
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4485mg/L

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

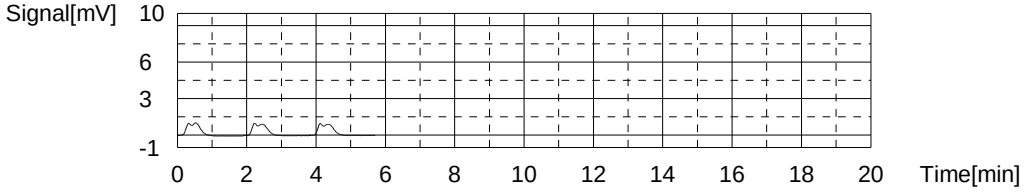
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3070mg/L

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

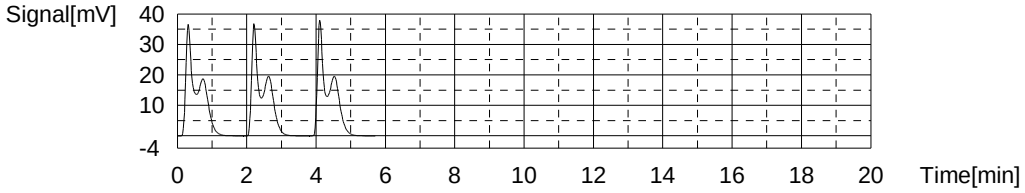
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2437mg/L

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

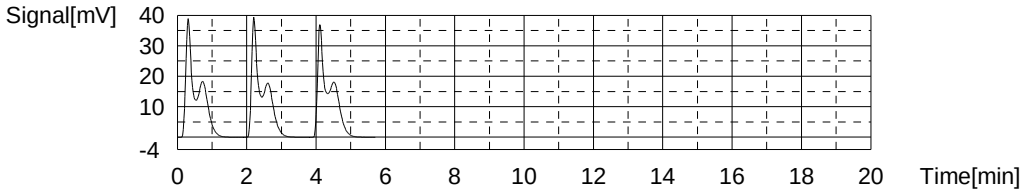
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2413mg/L

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

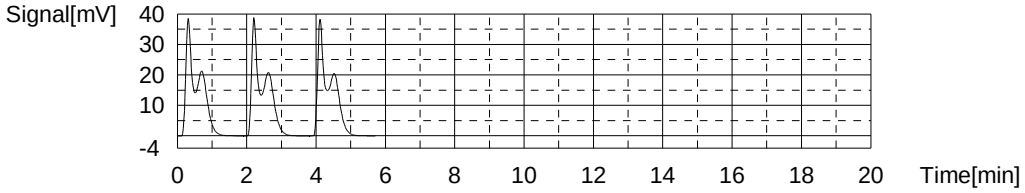
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2582mg/L

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

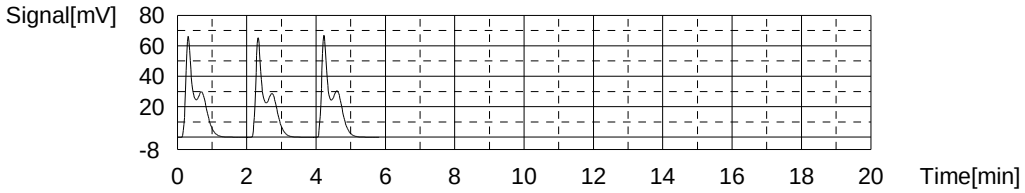
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:820.7mg/L

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

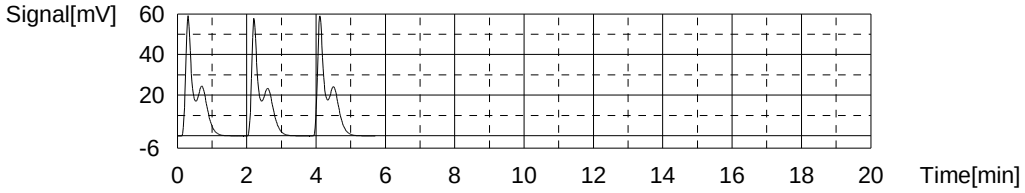
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:678.7mg/L

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

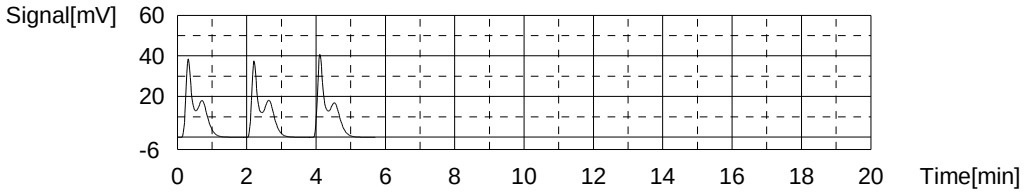
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:966.2mg/L

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

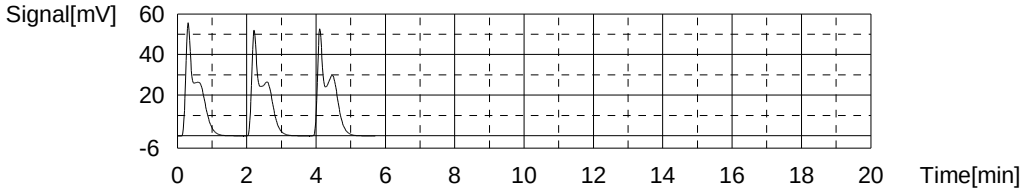
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:354.2mg/L

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

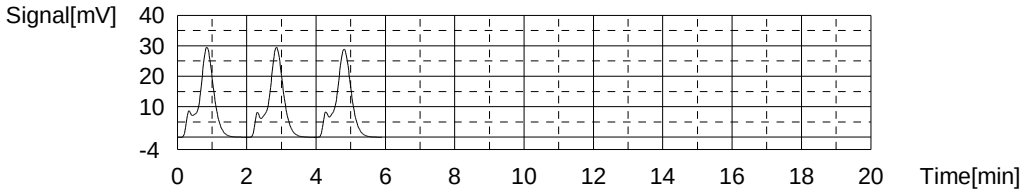
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:50.06mg/L

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

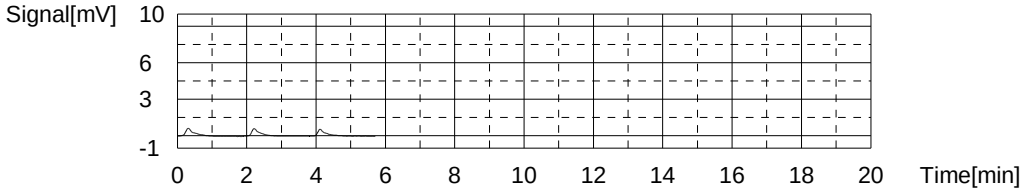
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.6737mg/L

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

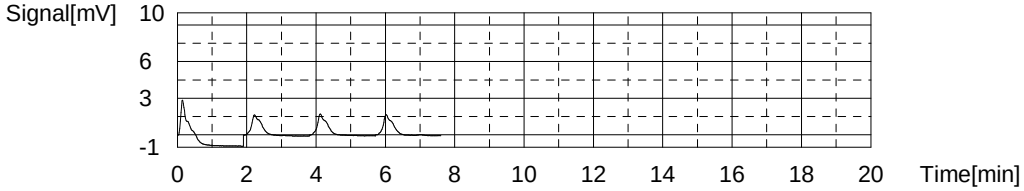
Sample Name:	TC
Sample ID:	TC
Cal. Curve:	TOCCURVE100.2014_03_04_15_36_53.cal
Status	Completed

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

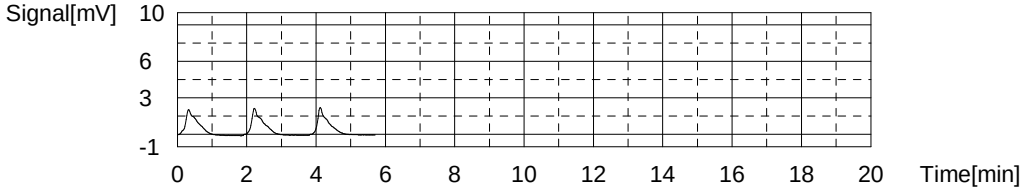
Acid Add. 0.000%
Mean Area 3.045



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

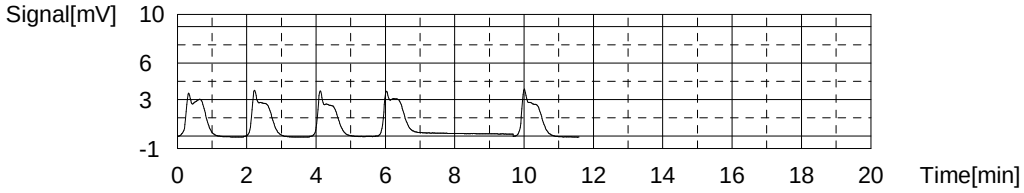
Acid Add. 0.000%
Mean Area 4.589



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

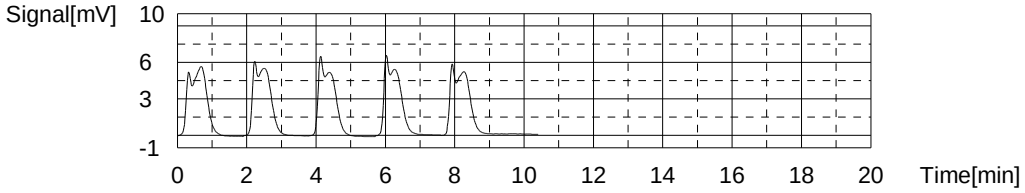
Acid Add. 0.000%
Mean Area 11.17



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

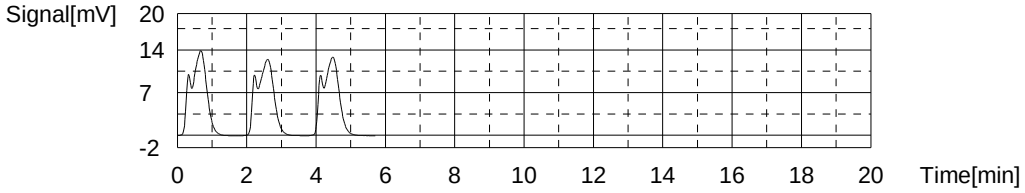
Acid Add. 0.000%
Mean Area 20.16



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

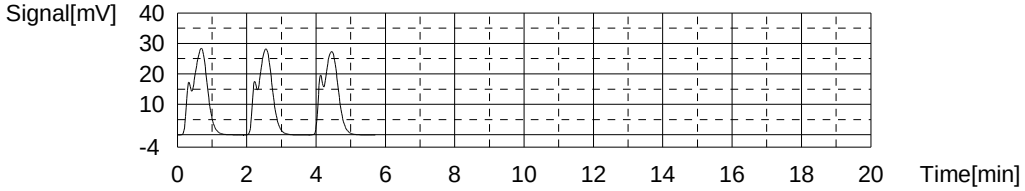
Acid Add. 0.000%
Mean Area 43.69



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

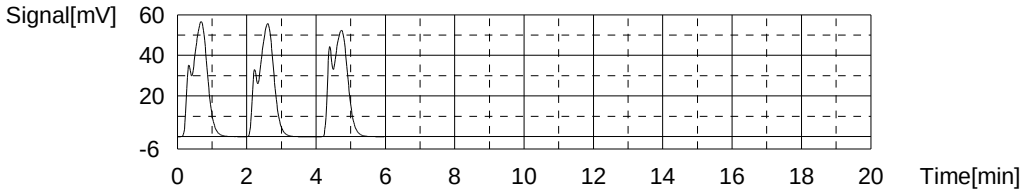
Acid Add. 0.000%
Mean Area 87.61



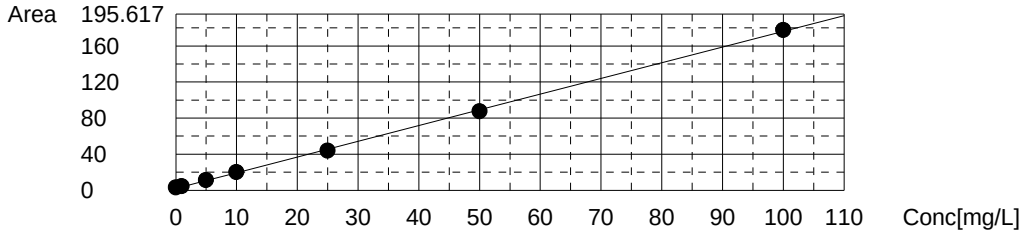
Conc: 100.0mg/L

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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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 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.			
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.			
680-99111-C-8	SMSSW09	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.			
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.			

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.: 680-99111-1

SDG No.: 68099111-1

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 LCS 00043		
CCV 680-319360/31		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		

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.: 680-99111-1

SDG No.: 68099111-1

Batch Number: 319783 Batch Start Date: 03/14/14 17:48 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 03/15/14 10:59

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 LCS 00043		
CCV 680-319783/1		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-319783/2		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319783/13		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-319783/14		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99111-C-1	SMSSW01	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99111-C-2	SMSMW10A	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99111-C-3	SMSMW10B	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99111-C-4	SMSSW11	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99111-C-5	SMSSW14	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319783/25		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.: 680-99111-1

SDG No.: 68099111-1

Batch Number: 319783 Batch Start Date: 03/14/14 17:48 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 03/15/14 10:59

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NH3 LCS 00043		
CCB 680-319783/26		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99111-C-6	SMSSW13	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
680-99111-C-7	SMSSW09 SPRING	350.1	T	2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
CCV 680-319783/30		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
CCB 680-319783/31		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.			
LCS 680-319783/32		350.1		2 mL	2 mL	Not Calculated. Perform Calculation not set to Run.	2 mL		
MB 680-319783/33		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.: 680-99111-1

SDG No.: 68099111-1

Batch Number: 319783 Batch Start Date: 03/14/14 17:48 Batch Analyst: Etheridge, Jora M

Batch Method: 350.1 Batch End Date: 03/15/14 10:59

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	G1
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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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				
680-99111-G-1	SMSSW01	365.1	T	2 mL	2 mL				
680-99111-G-2	SMSMW10A	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				
680-99111-G-3	SMSMW10B	365.1	T	2 mL	2 mL				
680-99111-G-4	SMSSW11	365.1	T	2 mL	2 mL				
680-99111-G-5	SMSSW14	365.1	T	2 mL	2 mL				
680-99111-G-5 DU	SMSSW14	365.1	T	2 mL	2 mL				
680-99111-G-6	SMSSW13	365.1	T	2 mL	2 mL				
680-99111-G-7	SMSSW09 SPRING	365.1	T	2 mL	2 mL				
680-99111-G-8	SMSSW09	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				
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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

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
680-99111-D-1	SMSSW01	4500 S2 F-2011	T	0 mL	9.65 mL	9.65 mL	2.5 mL	250 mL	250 mL
680-99111-E-1 DU	SMSSW01	4500 S2 F-2011	T	0 mL	9.75 mL	9.75 mL	2.5 mL	250 mL	250 mL
680-99111-D-2	SMSMW10A	4500 S2 F-2011	T	0 mL	26.90 mL	26.9 mL	2.5 mL	250 mL	250 mL
680-99111-D-3	SMSMW10B	4500 S2 F-2011	T	0 mL	10.80 mL	10.8 mL	2.5 mL	250 mL	250 mL
680-99111-D-4	SMSSW11	4500 S2 F-2011	T	0 mL	9.85 mL	9.85 mL	2.5 mL	250 mL	250 mL
680-99111-D-5	SMSSW14	4500 S2 F-2011	T	0 mL	9.90 mL	9.9 mL	2.5 mL	250 mL	250 mL
680-99111-D-6	SMSSW13	4500 S2 F-2011	T	0 mL	9.90 mL	9.9 mL	2.5 mL	250 mL	250 mL
680-99111-D-7	SMSSW09 SPRING	4500 S2 F-2011	T	0 mL	9.90 mL	9.9 mL	2.5 mL	250 mL	250 mL
680-99111-D-8	SMSSW09	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	
680-99111-D-1	SMSSW01	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99111-E-1 DU	SMSSW01	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99111-D-2	SMSMW10A	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99111-D-3	SMSMW10B	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.: 680-99111-1

SDG No.: 68099111-1

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	Initial pH	Final pH	SulfideCheck	CalcMsg	SulfideLCS 00335	
680-99111-D-4	SMSSW11	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99111-D-5	SMSSW14	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99111-D-6	SMSSW13	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99111-D-7	SMSSW09 SPRING	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		
680-99111-D-8	SMSSW09	4500 S2 F-2011	T	>9 SU	<2 SU	N	OK		

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.: 680-99111-1

SDG No.: 68099111-1

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			
680-99111-A-1	SMSSW01	2320B-2011	T	InitialAmount is blank					
680-99111-A-2	SMSMW10A	2320B-2011	T	InitialAmount is blank					
680-99111-A-3	SMSMW10B	2320B-2011	T	InitialAmount is blank					
680-99111-A-4	SMSSW11	2320B-2011	T	InitialAmount is blank					
680-99111-A-4 DU	SMSSW11	2320B-2011	T	InitialAmount is blank					
CCV 680-319601/11		2320B-2011		InitialAmount is blank	30 mL				
680-99111-A-5	SMSSW14	2320B-2011	T	InitialAmount is blank					
680-99111-A-6	SMSSW13	2320B-2011	T	InitialAmount is blank					
680-99111-A-7	SMSSW09 SPRING	2320B-2011	T	InitialAmount is blank					
680-99111-A-8	SMSSW09	2320B-2011	T	InitialAmount is blank					
CCV 680-319601/22		2320B-2011		InitialAmount is blank	30 mL				
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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

Batch Number: 318814 Batch Start Date: 03/09/14 15:30 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2540C-2011 Batch End Date: 03/10/14 12:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	Conductivity	CrucibleID	InitialAmount	TareWeight	Weight1	Weight2
MB 680-318814/1		2540C-2011			a	100 mL	82.8698 g	82.8700 g	82.8701 g
LCS 680-318814/2		2540C-2011			b	100 mL	89.1971 g	89.2093 g	89.2091 g
LCSD 680-318814/3		2540C-2011			c	100 mL	88.0819 g	88.0930 g	88.0929 g
680-99111-A-7	SMSSW09 SPRING	2540C-2011	T	616 umhos/cm	d	50 mL	74.3728 g	74.3896 g	74.3896 g
680-99111-A-7 DU	SMSSW09 SPRING	2540C-2011	T	616 umhos/cm	e	50 mL	76.7876 g	76.8050 g	76.8049 g
680-99111-A-1	SMSSW01	2540C-2011	T	133 umhos/cm	n	100 mL	82.5866 g	82.6013 g	82.6014 g
680-99111-A-4	SMSSW11	2540C-2011	T	252 umhos/cm	o	50 mL	77.6673 g	77.6751 g	77.6750 g
680-99111-A-2	SMSMW10A	2540C-2011	T	4350 umhos/cm	p	10 mL	74.4174 g	74.4602 g	74.4600 g
680-99111-A-3	SMSMW10B	2540C-2011	T	1602 umhos/cm	t	50 mL	69.3724 g	69.4384 g	69.4383 g
680-99111-A-5	SMSSW14	2540C-2011	T	408 umhos/cm	u	50 mL	75.1916 g	75.2049 g	75.2050 g
680-99111-A-6	SMSSW13	2540C-2011	T	471 umhos/cm	v	50 mL	75.9566 g	75.9710 g	75.9709 g
680-99111-A-8	SMSSW09	2540C-2011	T	618 umhos/cm	x	50 mL	79.5413 g	79.5601 g	79.5601 g
680-99111-A-8 DU	SMSSW09	2540C-2011	T	618 umhos/cm	y	50 mL	72.5538 g	72.5717 g	72.5717 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	Weight3	WeightOne%Diff	Residue	Residue2	FinalAmount	TS/TDS LCS 00226
MB 680-318814/1		2540C-2011		0 g	PASS_D	0.00020 g	0.00030 g	100 mL	
LCS 680-318814/2		2540C-2011		0 g	PASS_D	0.01220 g	0.01200 g	100 mL	100 mL
LCSD 680-318814/3		2540C-2011		0 g	PASS_D	0.01110 g	0.01100 g	100 mL	100 mL
680-99111-A-7	SMSSW09 SPRING	2540C-2011	T	0 g	PASS_D	0.01680 g	0.01680 g	100 mL	
680-99111-A-7 DU	SMSSW09 SPRING	2540C-2011	T	0 g	PASS_D	0.01740 g	0.01730 g	100 mL	
680-99111-A-1	SMSSW01	2540C-2011	T	0 g	PASS_D	0.01470 g	0.01480 g	100 mL	
680-99111-A-4	SMSSW11	2540C-2011	T	0 g	PASS_D	0.00780 g	0.00770 g	100 mL	
680-99111-A-2	SMSMW10A	2540C-2011	T	0 g	PASS_D	0.04280 g	0.04260 g	100 mL	
680-99111-A-3	SMSMW10B	2540C-2011	T	0 g	PASS_D	0.06600 g	0.06590 g	100 mL	
680-99111-A-5	SMSSW14	2540C-2011	T	0 g	PASS_D	0.01330 g	0.01340 g	100 mL	
680-99111-A-6	SMSSW13	2540C-2011	T	0 g	PASS_D	0.01440 g	0.01430 g	100 mL	
680-99111-A-8	SMSSW09	2540C-2011	T	0 g	PASS_D	0.01880 g	0.01880 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.: 680-99111-1

SDG No.: 68099111-1

Batch Number: 318814 Batch Start Date: 03/09/14 15:30 Batch Analyst: Hall Jr., Lewis B

Batch Method: 2540C-2011 Batch End Date: 03/10/14 12:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	Weight3	WeightOne%Diff	Residue	Residue2	FinalAmount	TS/TDS LCS 00226
680-99111-A-8 DU	SMSSW09	2540C-2011	T	0 g	PASS_D	0.01790 g	0.01790 g	100 mL	

Batch Notes	
Balance ID	13
Batch Comment	wt1 @180 start 7:50 3-10-14. end 8:50 3-10-14
Conductivity Meter ID	PC Titrate
Constant Weight (WT2) Date/Time in Oven	3-10-14 9:57
Constant Weight (WT2) Date/Time Out	3-10-14 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	3-9-14
Oven Temp when samples are put in oven	105 Celsius
Nominal Amount Used	100 mL
Date samples were removed from oven	3-10-14
Oven Temp when samples removed from oven	180 Celsius
Oven ID	B
ID number of the thermometer	GEO1
Uncorrected In Temperature	105 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.: 680-99111-1

SDG No.: 68099111-1

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.: 680-99111-1

SDG No.: 68099111-1

Batch Number: 319534 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 680-319534/13		5310 B-2011		25 mL	25		25 mL		
CCB 680-319534/14		5310 B-2011		25 mL	25				
LCS 680-319534/16		5310 B-2011		25 mL	25	25 mL			
CCV 680-319534/25		5310 B-2011		25 mL	25		25 mL		
CCB 680-319534/26		5310 B-2011		25 mL	25				
680-99111-H-1	SMSSW01	5310 B-2011	T	25 mL	25				
CCV 680-319534/37		5310 B-2011		25 mL	25		25 mL		
MB 680-319534/38		5310 B-2011		25 mL	25				
680-99111-J-2	SMSMW10A	5310 B-2011	T	25 mL	25				
680-99111-H-3	SMSMW10B	5310 B-2011	T	25 mL	25				
680-99111-H-4	SMSSW11	5310 B-2011	T	25 mL	25				
680-99111-J-5	SMSSW14	5310 B-2011	T	25 mL	25				
680-99111-H-6	SMSSW13	5310 B-2011	T	25 mL	25				
CCV 680-319534/49		5310 B-2011		25 mL	25		25 mL		
CCB 680-319534/50		5310 B-2011		25 mL	25				
CCV 680-319534/73		5310 B-2011		25 mL	25		25 mL		
CCB 680-319534/74		5310 B-2011		25 mL	25				
CCV 680-319534/84		5310 B-2011		25 mL	25		25 mL		
CCB 680-319534/85		5310 B-2011		25 mL	25				

Batch Notes	
Pipette ID	GE6
Sulfuric Acid Reagent ID Number	50% H2SO4_00001

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.: 680-99111-1

SDG No.: 68099111-1

Batch Number: 319534 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

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.: 680-99111-1

SDG No.: 68099111-1

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			
680-99111-I-7	SMSSW09 SPRING	5310 B-2011	T	25 mL	25 mL				
680-99111-H-8	SMSSW09	5310 B-2011	T	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				
CCV 680-319535/61		5310 B-2011		25 mL	25 mL		25 mL		
CCB 680-319535/62		5310 B-2011		25 mL	25 mL				

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 85008

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING 680 12412

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: Smoky Mtn Smelter	PROJECT NO.: ~~073-01-019~~	PROJECT LOCATION (STATE): TN	PAGE 1 OF 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 Walker	CLIENT E-MAIL: janice.austin@jmwalker.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

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	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)	Chromium (7196A)			REMARKS
								None	H2SO4	None	None	NaOH	H2SO4	None	HNO3			
3/3/14	1117	SMSSW01	G	W				1	1	1	1	2	3	1				48hr Hold orthophosphate/NO2/NO3
	1430	SMSMW10A						1	1	1	1	2	3	1				
	1450	SMSMW10B						1	1	1	1	2	3	1				
	1320	SMSSW11						1	1	1	1	2	3	1				
	1415	SMSSW14						1	1	1	1	2	3	1				
	1450	SMSSW13						1	1	1	1	2	3	1				
	1545	SMSSW09 SPRING						1	1	1	1	2	3	1				
	1610	SMSSW09						1	1	1	1	2	3	1				

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	3/3/14	1650						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[signature]	3-3-14	1650						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SEAL
[signature]	03/05/14	1015	YES ○ NO ○		

680-99111 Chain of Custody

1.0 / 1.2°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: 680-99111-1
TestAmerica Sample Delivery Group: 68099111-1
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 5:02:43 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.

Qualifiers

HPLC/IC

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.

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: 680-99111-1
SDG: 68099111-1

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

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",

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: 680-99111-1
SDG: 68099111-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-99111-1	SMSSW01	Water	03/03/14 11:17	03/05/14 10:15
680-99111-2	SMSMW10A	Water	03/03/14 14:30	03/05/14 10:15
680-99111-3	SMSMW10B	Water	03/03/14 14:50	03/05/14 10:15
680-99111-4	SMSSW11	Water	03/03/14 13:20	03/05/14 10:15
680-99111-5	SMSSW14	Water	03/03/14 14:15	03/05/14 10:15
680-99111-6	SMSSW13	Water	03/03/14 14:50	03/05/14 10:15
680-99111-7	SMSSW09 SPRING	Water	03/03/14 15:45	03/05/14 10:15
680-99111-8	SMSSW09	Water	03/03/14 10:10	03/05/14 10:15

Job ID: 680-99111-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: J.M. Waller Associates, Inc.

Project: Smokey Mountain Smelter

Report Number: 680-99111-1

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 1.0, 1.2 C.

ALKALINITY
Samples SMSSW01 (680-99111-1), SMSMW10A (680-99111-2), SMSMW10B (680-99111-3), SMSSW11 (680-99111-4), SMSSW14 (680-99111-5), SMSSW13 (680-99111-6), SMSSW09 SPRING (680-99111-7) and SMSSW09 (680-99111-8) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 03/13/2014.

No difficulties were encountered during the alkalinity analysis.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS
Samples SMSSW01 (680-99111-1), SMSMW10A (680-99111-2), SMSMW10B (680-99111-3), SMSSW11 (680-99111-4), SMSSW14 (680-99111-5), SMSSW13 (680-99111-6), SMSSW09 SPRING (680-99111-7) and SMSSW09 (680-99111-8) were analyzed for total dissolved solids in accordance with SM 2540C. The samples were analyzed on 03/09/2014.

No difficulties were encountered during the TDS analysis.

All quality control parameters were within the acceptance limits.

ANIONS BY ION CHROMATOGRAPHY (28 DAY)
Samples SMSSW01 (680-99111-1), SMSMW10A (680-99111-2), SMSMW10B (680-99111-3), SMSSW11 (680-99111-4), SMSSW14 (680-99111-5), SMSSW13 (680-99111-6), SMSSW09 SPRING (680-99111-7) and SMSSW09 (680-99111-8) were analyzed for Anions by Ion Chromatography (28 Day) in accordance with EPA Method 300.0. The samples were analyzed on 03/14/2014 and 03/16/2014.

Samples SMSMW10A (680-99111-2)[50X], SMSMW10B (680-99111-3)[25X], SMSMW10B (680-99111-3)[4X], SMSSW14 (680-99111-5) [2X], SMSSW13 (680-99111-6)[4X], SMSSW09 SPRING (680-99111-7)[2X] and SMSSW09 (680-99111-8)[4X] 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 SMSSW01 (680-99111-1), SMSMW10A (680-99111-2), SMSMW10B (680-99111-3), SMSSW11 (680-99111-4), SMSSW14

Job ID: 680-99111-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

(680-99111-5), SMSSW13 (680-99111-6), SMSSW09 SPRING (680-99111-7) and SMSSW09 (680-99111-8) were analyzed for Anions by Ion Chromatography (48 Hour) in accordance with EPA Method 300.0. The samples were analyzed on 03/05/2014. Sample SMSSW01 and SMSSW09 were analyzed outside the method defined hold time due to insufficient time remaining upon receipt of samples.

Samples SMSSW01 (680-99111-1)[2X], SMSMW10A (680-99111-2)[4X], SMSMW10A (680-99111-2)[40X], SMSMW10B (680-99111-3)[2X], SMSSW11 (680-99111-4)[2X], SMSSW14 (680-99111-5)[2X], SMSSW13 (680-99111-6)[2X], SMSSW09 SPRING (680-99111-7)[2X] and SMSSW09 (680-99111-8)[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 SMSSW01 (680-99111-1), SMSMW10A (680-99111-2), SMSMW10B (680-99111-3), SMSSW11 (680-99111-4), SMSSW14 (680-99111-5), SMSSW13 (680-99111-6), SMSSW09 SPRING (680-99111-7) and SMSSW09 (680-99111-8) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 03/12/2014 and 03/14/2014.

No difficulties were encountered during the ammonia analysis.

All quality control parameters were within the acceptance limits.

ORTHOPHOSPHATE

Samples SMSSW01 (680-99111-1), SMSMW10A (680-99111-2), SMSMW10B (680-99111-3), SMSSW11 (680-99111-4), SMSSW14 (680-99111-5), SMSSW13 (680-99111-6), SMSSW09 SPRING (680-99111-7) and SMSSW09 (680-99111-8) 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 due to analyst error.SMSMW10A (680-99111-2), SMSMW10B (680-99111-3), SMSSW01 (680-99111-1), SMSSW09 (680-99111-8), SMSSW09 SPRING (680-99111-7), SMSSW11 (680-99111-4), SMSSW13 (680-99111-6), SMSSW14 (680-99111-5).

No other difficulties were encountered during the orthophosphate analysis.

All other quality control parameters were within the acceptance limits.

SULFIDE

Samples SMSSW01 (680-99111-1), SMSMW10A (680-99111-2), SMSMW10B (680-99111-3), SMSSW11 (680-99111-4), SMSSW14 (680-99111-5), SMSSW13 (680-99111-6), SMSSW09 SPRING (680-99111-7) and SMSSW09 (680-99111-8) 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 SMSSW01 (680-99111-1), SMSMW10A (680-99111-2), SMSMW10B (680-99111-3), SMSSW11 (680-99111-4), SMSSW14 (680-99111-5), SMSSW13 (680-99111-6), SMSSW09 SPRING (680-99111-7) and SMSSW09 (680-99111-8) 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: 680-99111-1
SDG: 68099111-1

Client Sample ID: SMSSW01

Lab Sample ID: 680-99111-1
Date Collected: 03/03/14 11:17
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	H	0.34	0.16	mg/L			03/05/14 22:46	2
Sulfate	**4.9**		0.50	0.25	mg/L			03/14/14 20:37	1
Fluoride	**0.057**	**J**	0.10	0.025	mg/L			03/14/14 20:37	1
Nitrate as NO3	**1.2**	**H**	0.44	0.22	mg/L			03/05/14 22:46	2
Chloride	**1.9**		0.50	0.25	mg/L			03/14/14 20:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.079**		0.050	0.026	mg/L			03/14/14 17:57	1
ortho-Phosphate	**0.027**	**J H**	0.050	0.016	mg/L			03/06/14 14:23	1
Total Organic Carbon	**3.1**		1.0	0.50	mg/L			03/13/14 02:12	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**56**		5.0	5.0	mg/L			03/13/14 13:53	1
Total Dissolved Solids	**150**		5.0	5.0	mg/L			03/09/14 15:30	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 13:56	1

Client Sample ID: SMSMW10A

Lab Sample ID: 680-99111-2
Date Collected: 03/03/14 14:30
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	<0.33		0.68	0.33	mg/L			03/05/14 13:32	4
Sulfate	**1700**		25	13	mg/L			03/16/14 14:17	50
Fluoride	**73**		5.0	1.3	mg/L			03/16/14 14:17	50
Nitrate as NO3	**79**		8.8	4.4	mg/L			03/05/14 13:16	40
Chloride	**850**		25	13	mg/L			03/16/14 14:17	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.071**		0.050	0.026	mg/L			03/14/14 17:57	1
ortho-Phosphate	**0.042**	**J H**	0.050	0.016	mg/L			03/06/14 14:23	1
Total Organic Carbon	**1.9**		1.0	0.50	mg/L			03/13/14 02:58	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<5.0		5.0	5.0	mg/L			03/13/14 13:53	1
Total Dissolved Solids	**4300**		50	50	mg/L			03/09/14 15:30	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 13:56	1

Client Sample ID: SMSMW10B

Lab Sample ID: 680-99111-3
Date Collected: 03/03/14 14:50
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	<0.16		0.34	0.16	mg/L			03/05/14 13:47	2
Sulfate	**600**		13	6.3	mg/L			03/16/14 14:33	25
Fluoride	**9.0**		0.40	0.10	mg/L			03/14/14 21:38	4
Nitrate as NO3	**11**		0.44	0.22	mg/L			03/05/14 13:47	2
Chloride	**66**		2.0	1.0	mg/L			03/14/14 21:38	4

Client Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99111-1
SDG: 68099111-1

Client Sample ID: SMSMW10B — Lab Sample ID: 680-99111-3

Date Collected: 03/03/14 14:50 — **Matrix: Water**
Date Received: 03/05/14 10:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.17		0.050	0.026	mg/L			03/14/14 17:57	1
ortho-Phosphate	<0.016	H	0.050	0.016	mg/L			03/06/14 14:26	1
Total Organic Carbon	<0.50		1.0	0.50	mg/L			03/13/14 03:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	380		5.0	5.0	mg/L			03/13/14 13:53	1
Total Dissolved Solids	1300		10	10	mg/L			03/09/14 15:30	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 13:56	1

Client Sample ID: SMSSW11 — Lab Sample ID: 680-99111-4

Date Collected: 03/03/14 13:20 — **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	<0.16		0.34	0.16	mg/L			03/05/14 12:45	2
Sulfate	9.3		0.50	0.25	mg/L			03/14/14 21:53	1
Fluoride	0.081	J	0.10	0.025	mg/L			03/14/14 21:53	1
Nitrate as NO3	4.0		0.44	0.22	mg/L			03/05/14 12:45	2
Chloride	5.6		0.50	0.25	mg/L			03/14/14 21:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.21		0.050	0.026	mg/L			03/14/14 17:57	1
ortho-Phosphate	0.040	J H	0.050	0.016	mg/L			03/06/14 14:26	1
Total Organic Carbon	4.1		1.0	0.50	mg/L			03/13/14 03:33	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	150		10	10	mg/L			03/09/14 15:30	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 13:56	1

Client Sample ID: SMSSW14 — Lab Sample ID: 680-99111-5

Date Collected: 03/03/14 14:15 — **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			03/05/14 13:01	2
Sulfate	14		0.50	0.25	mg/L			03/14/14 22:39	1
Fluoride	0.51		0.10	0.025	mg/L			03/14/14 22:39	1
Nitrate as NO3	3.8		0.44	0.22	mg/L			03/05/14 13:01	2
Chloride	51		1.0	0.50	mg/L			03/16/14 14:48	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.088		0.050	0.026	mg/L			03/14/14 17:57	1
ortho-Phosphate	0.037	J H	0.050	0.016	mg/L			03/06/14 14:26	1
Total Organic Carbon	2.6		1.0	0.50	mg/L			03/13/14 03:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	120		5.0	5.0	mg/L			03/13/14 13:53	1
Total Dissolved Solids	270		10	10	mg/L			03/09/14 15:30	1

Client Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99111-1
SDG: 68099111-1

Client Sample ID: SMSSW14

Lab Sample ID: 680-99111-5
Date Collected: 03/03/14 14:15
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

Client Sample ID: SMSSW13

Lab Sample ID: 680-99111-6
Date Collected: 03/03/14 14:50
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	<0.16		0.34	0.16	mg/L			03/05/14 14:02	2
Sulfate	**17**		0.50	0.25	mg/L			03/14/14 22:55	1
Fluoride	**0.71**		0.10	0.025	mg/L			03/14/14 22:55	1
Nitrate as NO3	**4.0**		0.44	0.22	mg/L			03/05/14 14:02	2
Chloride	**71**		2.0	1.0	mg/L			03/16/14 15:03	4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.11**		0.050	0.026	mg/L			03/14/14 18:06	1
ortho-Phosphate	**0.036**	**J H**	0.050	0.016	mg/L			03/06/14 14:26	1
Total Organic Carbon	**2.3**		1.0	0.50	mg/L			03/13/14 04:03	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**120**		5.0	5.0	mg/L			03/13/14 13:53	1
Total Dissolved Solids	**290**		10	10	mg/L			03/09/14 15:30	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 13:56	1

Client Sample ID: SMSSW09 SPRING

Lab Sample ID: 680-99111-7
Date Collected: 03/03/14 15:45
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			03/05/14 14:18	2
Sulfate	**15**		0.50	0.25	mg/L			03/14/14 23:40	1
Fluoride	**0.097**	**J**	0.10	0.025	mg/L			03/14/14 23:40	1
Nitrate as NO3	**3.6**		0.44	0.22	mg/L			03/05/14 14:18	2
Chloride	**64**		1.0	0.50	mg/L			03/16/14 15:49	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.11**		0.050	0.026	mg/L			03/14/14 18:06	1
ortho-Phosphate	<0.016	H	0.050	0.016	mg/L			03/06/14 14:26	1
Total Organic Carbon	**0.72**	**J**	1.0	0.50	mg/L			03/13/14 04:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**200**		5.0	5.0	mg/L			03/13/14 13:53	1
Total Dissolved Solids	**340**		10	10	mg/L			03/09/14 15:30	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 13:56	1

Client Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99111-1
SDG: 68099111-1

Client Sample ID: SMSSW09

Lab Sample ID: 680-99111-8

Date Collected: 03/03/14 10:10

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	H	0.34	0.16	mg/L			03/05/14 23:02	2
Sulfate	**18**		0.50	0.25	mg/L			03/14/14 23:56	1
Fluoride	**0.86**		0.10	0.025	mg/L			03/14/14 23:56	1
Nitrate as NO3	**4.6**	**H**	0.44	0.22	mg/L			03/05/14 23:02	2
Chloride	**100**		2.0	1.0	mg/L			03/16/14 16:05	4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.097**		0.050	0.026	mg/L			03/12/14 14:05	1
ortho-Phosphate	**0.023**	**J H**	0.050	0.016	mg/L			03/06/14 14:26	1
Total Organic Carbon	**2.6**		1.0	0.50	mg/L			03/13/14 05:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**130**		5.0	5.0	mg/L			03/13/14 13:53	1
Total Dissolved Solids	**380**		10	10	mg/L			03/09/14 15:30	1
Sulfide	<1.0		1.0	1.0	mg/L			03/06/14 13:56	1

QC Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99111-1
SDG: 68099111-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 680-318425/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318425

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 10:23	1
Nitrate as NO3	<0.11		0.22	0.11	mg/L			03/05/14 10:23	1

Lab Sample ID: LCS 680-318425/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318425

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as NO2	3.28	3.32		mg/L		101	90 - 110
Nitrate as NO3	4.42	4.33		mg/L		98	90 - 110

Lab Sample ID: LCSD 680-318425/7 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318425

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as NO2	3.28	3.32		mg/L		101	90 - 110	0	30
Nitrate as NO3	4.42	4.34		mg/L		98	90 - 110	0	30

Lab Sample ID: 680-99111-7 MS — **Client Sample ID: SMSSW09 SPRING**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318425

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as NO2	<0.16		6.56	6.57		mg/L		100	80 - 120
Nitrate as NO3	3.6		8.84	12.4		mg/L		99	80 - 120

Lab Sample ID: 680-99111-7 MSD — **Client Sample ID: SMSSW09 SPRING**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318425

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	6.58		mg/L		100	80 - 120	0	30
Nitrate as NO3	3.6		8.84	12.4		mg/L		99	80 - 120	0	30

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

Method: 300.0 - Anions, Ion Chromatography (Continued)

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
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: 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: 680-99111-4 MS — **Client Sample ID: SMSSW11**
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	9.3		10.0	19.7		mg/L		104	80 - 120
Fluoride	0.081	J	2.00	2.24		mg/L		108	80 - 120
Chloride	5.6		10.0	15.7		mg/L		102	80 - 120

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 680-99111-4 MSD — **Client Sample ID: SMSSW11**
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	9.3		10.0	19.5		mg/L		102	80 - 120	1	30
Fluoride	0.081	J	2.00	2.20		mg/L		106	80 - 120	2	30
Chloride	5.6		10.0	15.7		mg/L		101	80 - 120	0	30

Lab Sample ID: MB 680-319850/8 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319850

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.25		0.50	0.25	mg/L			03/16/14 13:16	1
Fluoride	<0.025		0.10	0.025	mg/L			03/16/14 13:16	1
Chloride	<0.25		0.50	0.25	mg/L			03/16/14 13:16	1

Lab Sample ID: LCS 680-319850/9 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319850

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	10.1		mg/L		101	90 - 110
Fluoride	2.00	2.07		mg/L		104	90 - 110
Chloride	10.0	9.97		mg/L		100	90 - 110

Lab Sample ID: LCSD 680-319850/10 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319850

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
Chloride	10.0	9.90		mg/L		99	90 - 110	1	30

Lab Sample ID: 680-99111-6 MS — **Client Sample ID: SMSSW13**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319850

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	16		40.0	61.4		mg/L		113	80 - 120
Fluoride	0.63		8.00	9.86		mg/L		115	80 - 120
Chloride	71		40.0	114		mg/L		108	80 - 120

Lab Sample ID: 680-99111-6 MSD — **Client Sample ID: SMSSW13**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319850

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	16		40.0	61.6		mg/L		113	80 - 120	0	30
Fluoride	0.63		8.00	9.91		mg/L		116	80 - 120	1	30
Chloride	71		40.0	114		mg/L		109	80 - 120	0	30

QC Sample Results

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99111-1
SDG: 68099111-1

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: 680-99111-4 DU — **Client Sample ID: SMSSW11**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319601

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	110		107		mg/L		0.3	30

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-318814/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318814

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.0		5.0	5.0	mg/L			03/09/14 15:30	1

Lab Sample ID: LCS 680-318814/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318814

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	109	120		mg/L		110	80 - 120

Lab Sample ID: LCSD 680-318814/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318814

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids	109	110		mg/L		101	80 - 120	9	25

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C) (Continued)

Lab Sample ID: 680-99111-7 DU — **Client Sample ID: SMSSW09 SPRING**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318814

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	340			346		mg/L				3	25

Lab Sample ID: 680-99111-8 DU — **Client Sample ID: SMSSW09**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318814

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	380			358		mg/L				5	25

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: MB 680-319783/33 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319783

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 10:59	1

Lab Sample ID: LCS 680-319783/32 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319783

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			1.00	1.01		mg/L		101	90 - 110		

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

Method: 365.1 - Phosphorus, Ortho (Continued)

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: 680-99111-5 DU — **Client Sample ID: SMSSW14**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318579

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
ortho-Phosphate	0.037	J H	0.0322	J	mg/L		14	30

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

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: 680-99111-1 DU — **Client Sample ID: SMSSW01**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 318525

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 680-319534/38 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319534

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 680-319534/16 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 319534

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	20.0	17.2		mg/L		86	80 - 120

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

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

QC Association Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99111-1
SDG: 68099111-1

HPLC/IC

Analysis Batch: 318425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99111-2	SMSMW10A	Total/NA	Water	300.0	
680-99111-2	SMSMW10A	Total/NA	Water	300.0	
680-99111-3	SMSMW10B	Total/NA	Water	300.0	
680-99111-4	SMSSW11	Total/NA	Water	300.0	
680-99111-5	SMSSW14	Total/NA	Water	300.0	
680-99111-6	SMSSW13	Total/NA	Water	300.0	
680-99111-7	SMSSW09 SPRING	Total/NA	Water	300.0	
680-99111-7 MS	SMSSW09 SPRING	Total/NA	Water	300.0	
680-99111-7 MSD	SMSSW09 SPRING	Total/NA	Water	300.0	
LCS 680-318425/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-318425/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-318425/5	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 318426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99111-1	SMSSW01	Total/NA	Water	300.0	
680-99111-8	SMSSW09	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: 319822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99111-1	SMSSW01	Total/NA	Water	300.0	
680-99111-3	SMSMW10B	Total/NA	Water	300.0	
680-99111-4	SMSSW11	Total/NA	Water	300.0	
680-99111-4 MS	SMSSW11	Total/NA	Water	300.0	
680-99111-4 MSD	SMSSW11	Total/NA	Water	300.0	
680-99111-5	SMSSW14	Total/NA	Water	300.0	
680-99111-6	SMSSW13	Total/NA	Water	300.0	
680-99111-7	SMSSW09 SPRING	Total/NA	Water	300.0	
680-99111-8	SMSSW09	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	

Analysis Batch: 319850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99111-2	SMSMW10A	Total/NA	Water	300.0	
680-99111-3	SMSMW10B	Total/NA	Water	300.0	
680-99111-5	SMSSW14	Total/NA	Water	300.0	
680-99111-6	SMSSW13	Total/NA	Water	300.0	
680-99111-6 MS	SMSSW13	Total/NA	Water	300.0	
680-99111-6 MSD	SMSSW13	Total/NA	Water	300.0	
680-99111-7	SMSSW09 SPRING	Total/NA	Water	300.0	
680-99111-8	SMSSW09	Total/NA	Water	300.0	
LCS 680-319850/9	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-319850/10	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-319850/8	Method Blank	Total/NA	Water	300.0	

QC Association Summary

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99111-1
SDG: 68099111-1

General Chemistry

Analysis Batch: 318525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99111-1	SMSSW01	Total/NA	Water	4500 S2 F-2011	
680-99111-1 DU	SMSSW01	Total/NA	Water	4500 S2 F-2011	
680-99111-2	SMSMW10A	Total/NA	Water	4500 S2 F-2011	
680-99111-3	SMSMW10B	Total/NA	Water	4500 S2 F-2011	
680-99111-4	SMSSW11	Total/NA	Water	4500 S2 F-2011	
680-99111-5	SMSSW14	Total/NA	Water	4500 S2 F-2011	
680-99111-6	SMSSW13	Total/NA	Water	4500 S2 F-2011	
680-99111-7	SMSSW09 SPRING	Total/NA	Water	4500 S2 F-2011	
680-99111-8	SMSSW09	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: 318579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99111-1	SMSSW01	Total/NA	Water	365.1	
680-99111-2	SMSMW10A	Total/NA	Water	365.1	
680-99111-3	SMSMW10B	Total/NA	Water	365.1	
680-99111-4	SMSSW11	Total/NA	Water	365.1	
680-99111-5	SMSSW14	Total/NA	Water	365.1	
680-99111-5 DU	SMSSW14	Total/NA	Water	365.1	
680-99111-6	SMSSW13	Total/NA	Water	365.1	
680-99111-7	SMSSW09 SPRING	Total/NA	Water	365.1	
680-99111-8	SMSSW09	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: 318814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99111-1	SMSSW01	Total/NA	Water	2540C-2011	
680-99111-2	SMSMW10A	Total/NA	Water	2540C-2011	
680-99111-3	SMSMW10B	Total/NA	Water	2540C-2011	
680-99111-4	SMSSW11	Total/NA	Water	2540C-2011	
680-99111-5	SMSSW14	Total/NA	Water	2540C-2011	
680-99111-6	SMSSW13	Total/NA	Water	2540C-2011	
680-99111-7	SMSSW09 SPRING	Total/NA	Water	2540C-2011	
680-99111-7 DU	SMSSW09 SPRING	Total/NA	Water	2540C-2011	
680-99111-8	SMSSW09	Total/NA	Water	2540C-2011	
680-99111-8 DU	SMSSW09	Total/NA	Water	2540C-2011	
LCS 680-318814/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-318814/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
MB 680-318814/1	Method Blank	Total/NA	Water	2540C-2011	

Analysis Batch: 319360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99111-8	SMSSW09	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	

General Chemistry (Continued)

Analysis Batch: 319534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99111-1	SMSSW01	Total/NA	Water	5310 B-2011	
680-99111-2	SMSMW10A	Total/NA	Water	5310 B-2011	
680-99111-3	SMSMW10B	Total/NA	Water	5310 B-2011	
680-99111-4	SMSSW11	Total/NA	Water	5310 B-2011	
680-99111-5	SMSSW14	Total/NA	Water	5310 B-2011	
680-99111-6	SMSSW13	Total/NA	Water	5310 B-2011	
LCS 680-319534/16	Lab Control Sample	Total/NA	Water	5310 B-2011	
MB 680-319534/38	Method Blank	Total/NA	Water	5310 B-2011	

Analysis Batch: 319535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99111-7	SMSSW09 SPRING	Total/NA	Water	5310 B-2011	
680-99111-8	SMSSW09	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
680-99111-1	SMSSW01	Total/NA	Water	2320B-2011	
680-99111-2	SMSMW10A	Total/NA	Water	2320B-2011	
680-99111-3	SMSMW10B	Total/NA	Water	2320B-2011	
680-99111-4	SMSSW11	Total/NA	Water	2320B-2011	
680-99111-4 DU	SMSSW11	Total/NA	Water	2320B-2011	
680-99111-5	SMSSW14	Total/NA	Water	2320B-2011	
680-99111-6	SMSSW13	Total/NA	Water	2320B-2011	
680-99111-7	SMSSW09 SPRING	Total/NA	Water	2320B-2011	
680-99111-8	SMSSW09	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: 319783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-99111-1	SMSSW01	Total/NA	Water	350.1	
680-99111-2	SMSMW10A	Total/NA	Water	350.1	
680-99111-3	SMSMW10B	Total/NA	Water	350.1	
680-99111-4	SMSSW11	Total/NA	Water	350.1	
680-99111-5	SMSSW14	Total/NA	Water	350.1	
680-99111-6	SMSSW13	Total/NA	Water	350.1	
680-99111-7	SMSSW09 SPRING	Total/NA	Water	350.1	
LCS 680-319783/32	Lab Control Sample	Total/NA	Water	350.1	
MB 680-319783/33	Method Blank	Total/NA	Water	350.1	

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99111-1
SDG: 68099111-1

Client Sample ID: SMSSW01

Lab Sample ID: 680-99111-1

Date Collected: 03/03/14 11:17
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 22:46	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		1	1 mL	1 mL	319822	03/14/14 20:37	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	100 mL	100 mL	318814	03/09/14 15:30	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		1	2 mL	2 mL	319783	03/14/14 17:57	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	318525	03/06/14 13:56	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25	319534	03/13/14 02:12	CMP	TAL SAV
	Instrument ID:	TOC3								

Client Sample ID: SMSMW10A

Lab Sample ID: 680-99111-2

Date Collected: 03/03/14 14:30
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		40	5 mL	5 mL	318425	03/05/14 13:16	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		4	5 mL	5 mL	318425	03/05/14 13:32	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		50	1 mL	1 mL	319850	03/16/14 14:17	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	10 mL	100 mL	318814	03/09/14 15:30	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		1	2 mL	2 mL	319783	03/14/14 17:57	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	318525	03/06/14 13:56	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25	319534	03/13/14 02:58	CMP	TAL SAV
	Instrument ID:	TOC3								

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99111-1
SDG: 68099111-1

Client Sample ID: SMSMW10B

Lab Sample ID: 680-99111-3

Date Collected: 03/03/14 14:50
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		2	5 mL	5 mL	318425	03/05/14 13:47	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		4	1 mL	1 mL	319822	03/14/14 21:38	CMB	TAL SAV
	Instrument ID:	CICK								
Total/NA	Analysis	300.0		25	1 mL	1 mL	319850	03/16/14 14:33	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	318814	03/09/14 15:30	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		1	2 mL	2 mL	319783	03/14/14 17:57	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	318525	03/06/14 13:56	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25	319534	03/13/14 03:14	CMP	TAL SAV
	Instrument ID:	TOC3								

Client Sample ID: SMSSW11

Lab Sample ID: 680-99111-4

Date Collected: 03/03/14 13:20
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		2	5 mL	5 mL	318425	03/05/14 12:45	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		1	1 mL	1 mL	319822	03/14/14 21:53	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	318814	03/09/14 15:30	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		1	2 mL	2 mL	319783	03/14/14 17:57	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	318525	03/06/14 13:56	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25	319534	03/13/14 03:33	CMP	TAL SAV
	Instrument ID:	TOC3								

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99111-1
SDG: 68099111-1

Client Sample ID: SMSSW14

Lab Sample ID: 680-99111-5

Date Collected: 03/03/14 14:15
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	318425	03/05/14 13:01	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		1	1 mL	1 mL	319822	03/14/14 22:39	CMB	TAL SAV
	Instrument ID:	CICK								
Total/NA	Analysis	300.0		2	1 mL	1 mL	319850	03/16/14 14:48	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	318814	03/09/14 15:30	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		1	2 mL	2 mL	319783	03/14/14 17:57	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	318525	03/06/14 13:56	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25	319534	03/13/14 03:49	CMP	TAL SAV
	Instrument ID:	TOC3								

Client Sample ID: SMSSW13

Lab Sample ID: 680-99111-6

Date Collected: 03/03/14 14:50
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		2	5 mL	5 mL	318425	03/05/14 14:02	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		1	1 mL	1 mL	319822	03/14/14 22:55	CMB	TAL SAV
	Instrument ID:	CICK								
Total/NA	Analysis	300.0		4	1 mL	1 mL	319850	03/16/14 15:03	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	318814	03/09/14 15:30	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		1	2 mL	2 mL	319783	03/14/14 18:06	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	318525	03/06/14 13:56	AJO	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	5310 B-2011		1	25 mL	25	319534	03/13/14 04:03	CMP	TAL SAV
	Instrument ID:	TOC3								

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99111-1
SDG: 68099111-1

Client Sample ID: SMSSW09 SPRING

Lab Sample ID: 680-99111-7

Date Collected: 03/03/14 15:45
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	318425	03/05/14 14:18	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		1	1 mL	1 mL	319822	03/14/14 23:40	CMB	TAL SAV
	Instrument ID:	CICK								
Total/NA	Analysis	300.0		2	1 mL	1 mL	319850	03/16/14 15:49	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	318814	03/09/14 15:30	LBH	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	350.1		1	2 mL	2 mL	319783	03/14/14 18:06	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	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 04:34	CMP	TAL SAV
	Instrument ID:	TOC3								

Client Sample ID: SMSSW09

Lab Sample ID: 680-99111-8

Date Collected: 03/03/14 10:10
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 23:02	VAS	TAL SAV
	Instrument ID:	CICG								
Total/NA	Analysis	300.0		1	1 mL	1 mL	319822	03/14/14 23:56	CMB	TAL SAV
	Instrument ID:	CICK								
Total/NA	Analysis	300.0		4	1 mL	1 mL	319850	03/16/14 16:05	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	318814	03/09/14 15:30	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	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 05:15	CMP	TAL SAV
	Instrument ID:	TOC3								

Lab Chronicle

Client: J.M. Waller Associates, Inc.
Project/Site: Smokey Mountain Smelter

TestAmerica Job ID: 680-99111-1
SDG: 68099111-1

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 85008

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING 680 12412

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: Smoky Mtn Smelter	PROJECT NO.: ~~073-01-019~~	PROJECT LOCATION (STATE): TN	PAGE 1 OF 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 Walker	CLIENT E-MAIL: janice.austin@jmwalker.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

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	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 (SM4500)	Total Organic Carbon (SM5310)	Ortho-phosphate (365.1)	Chromium VI (7196A)		
								None	H2SO4	None	None	NaOH	H2SO4	None	None		
3/3/14	1117	SMSSW01	G	W				1	1	1	1	2	3	1			48hr Hold Orthophosphate/NO2/NO3
	1430	SMSMW10A						1	1	1	1	2	3	1			
	1450	SMSMW10B						1	1	1	1	2	3	1			
	1320	SMSSW11						1	1	1	1	2	3	1			
	1415	SMSSW14						1	1	1	1	2	3	1			
	1450	SMSSW13						1	1	1	1	2	3	1			
	1545	SMSSW09 SPRING						1	1	1	1	2	3	1			
	1610	SMSSW09						1	1	1	1	2	3	1			

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	3/3/14	1650						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[signature]	3-3-14	1650						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAMPLE LABEL
[signature]	030514	1015	YES ○ NO ○		

680-99111 Chain of Custody

1.0 / 1.2°C

TAL8240-680 (1008)

Login Sample Receipt Checklist

Client: J.M. Waller Associates, Inc.

Job Number: 680-99111-1
SDG Number: 68099111-1

Login Number: 99111
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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
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: 680-99111-1
SDG: 68099111-1

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: 680-99116-1

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
3/24/2014 3:20 PM

Sheila B Hoffman, Project Manager II
5102 LaRoche Avenue, Savannah, GA, 31404
(912)354-7858 e.3004
sheila.hoffman@testamericainc.com
03/24/2014

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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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 (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 (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: 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						

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						

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						

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	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.: 680-99116-1

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

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

SDG No.: 68099116-1

Lab Sample ID: ICV 680-319850/1009 Calibration Date: 03/16/2014 13:31

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: 0316141331-14-ICV.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		31657233		2.07	2.00	3.7	10.0
Chloride	Lin1		19572615		9.97	10.0	-0.3	10.0
Sulfate	Lin2		14121928		10.1	10.0	1.4	10.0
Bromide	Lin1		8241635		9.98	10.0	-0.2	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: ICV 680-319850/1009 Calibration Date: 03/16/2014 13:31

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: 0316141331-14-ICV.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	3.33	3.08	3.58
Chloride	4.67	4.42	4.92
Sulfate	6.35	6.10	6.60
Bromide	7.79	7.55	8.05

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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)

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: 03/15/2014 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	0316141331-14-ICV.d	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 17:36	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)

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: 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

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

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

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

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

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

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*

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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
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

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

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

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
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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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)

300.0

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	

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																				
ZZZZZZ			13:56																				
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ZZZZZZ			13:56																				
ZZZZZZ			13:56																				
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																				
ZZZZZZ			15:18																				
ZZZZZZ			15:18																				
ZZZZZZ			15:18																				
ZZZZZZ			15:18																				
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

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)